

**List Scientific Articles Published by SINP**  
**(Period: 1972 to 2018 as on 17<sup>th</sup> September 2018 from Web of Science)**

1. STUDY OF CONDUCTIVITY OF A CYLINDRICAL SAMPLE BY AN RF INDUCTION METHOD  
By: MAITI, JN; BASU, J  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 10 Issue: 9 Pages: 698-700 Published: 1972
  
2. DEBYE TEMPERATURES OF CUBIC AIII BV AND AII BV SEMICONDUCTORS  
By: AGGARWAL, MD; VERMA, JKD  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 10 Issue: 11 Pages: 838-839 Published: 1972
  
3. METHOD OF PARTIAL CRYSTALLIZATION IN DETERMINING HOMOGENEOUS DISTRIBUTION COEFFICIENT IN COPRECIPITATING SYSTEMS  
By: PURKAYASTHA, BC; DAS, N  
JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 12 Issue: 2 Pages: 461-467 Published: 1972
  
4. VARIATIONAL TREATMENT OF AN ISOLATED VORTEX TUBE IN TYPE-II SUPERCONDUCTOR  
By: KHANRA, BC; RAYCHAUD, AK  
PHYSICS LETTERS A Volume: A 42 Issue: 4 Pages: 305-306 Published: 1972
  
5. CRYSTAL AND MOLECULAR-STRUCTURE OF MORPHOLINE BIGUANIDE HYDROBROMIDE  
By: HANDA, R; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: B 29 Issue: MAR15 Pages: 554-560 Published: 1973
  
6. CRYSTAL-STRUCTURE OF PARA-DIMETHYLAMINOBENZALDEHYDE HYDROBROMIDE  
By: DATTA GUPTA, JK; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS  
Volume: 29 Issue: JUN15 Pages: 1228-1233 Published: 1973
  
7. PLANE PENDULUM IN QUANTUM-MECHANICS  
By: PRADHAN, T; KHARE, AV  
AMERICAN JOURNAL OF PHYSICS Volume: 41 Issue: 1 Pages: 59-66 Published: 1973
  
8. STUDY OF TRANSITION TEMPERATURE THROUGH MIXED-CRYSTAL FORMATION .3. ORTHORHOMBIC ZINC SULFATE AND MAGNESIUM SULFATE  
By: PURKAYASTHA, BC; DAS, N  
AUSTRALIAN JOURNAL OF CHEMISTRY Volume: 26 Issue: 6 Pages: 1243-1249 Published: 1973
  
9. ELECTRON-MICROSCOPIC AND SPECTROPHOTOMETRIC STUDIES ON DNA-PROFLAVIN COMPLEXES  
By: DASGUPTA, S; MISRA, DN; DASGUPTA, NN  
BIOCHIMICA ET BIOPHYSICA ACTA Volume: 294 Issue: 1 Pages: 38-46 Published: 1973

10.MEAN AMPLITUDE OF ATOMIC VIBRATION AND NATURE OF BONDING IN SOLIDS

By: RAJU, V; AGGARWAL, MD; VERMA, JKD

CURRENT SCIENCE Volume: 42 Issue: 12 Pages: 418-418 Published: 1973

11.REPAIR OF UV-IRRADIATION DAMAGE IN SINGLE STRANDED DNA VIRUS PHIX174

By: PODDAR, RK; DASGUPTA, C

GENETICS Volume: 74 Issue: JUN Pages: S214-S214 Published: 1973

12.PACKING OF DNA-MOLECULES INSIDE BACTERIOPHAGES T7, N4 AND T4

By: SINHA, RK; MISRA, DN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 10 Issue: 4 Pages: 286-289 Published: 1973

13.LINDEMANN-GILVARRY MELTING LAW AND DEBYE TEMPERATURES OF CUBIC SEMICONDUCTORS

By: AGGARWAL, MD; RAJU, V; VERMA, JKD

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 47 Issue: 7 Pages: 445-446 Published: 1973

14.DEBYE TEMPERATURES OF SOME CUBIC ELEMENTS

By: AGGARWAL, MD; RAJU, V; VERMA, JKD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 11 Issue: 3 Pages: 216-217 Published: 1973

15.RADIATION-CHEMISTRY OF AQUEOUS-SOLUTIONS OF CUPRIC ETHYLENEDIAMINE TETRAACETATE

By: BHATTACHARYYA, SN; KUNDU, KP

INTERNATIONAL JOURNAL FOR RADIATION PHYSICS AND CHEMISTRY Volume: 5 Issue: 2 Pages: 183-195 Published: 1973

16.COUPLED HARTREE-FOCK CALCULATION OF UNIFORM-FIELD QUADRUPOLE POLARIZABILITIES AND SHIELDING FACTORS OF S-STATE IONS

By: BHATTACHARYA, AK; MUKHERJEE, PK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 7 Issue: 3 Pages: 491-499 Published: 1973

17.SHEATH THICKNESS FOR A CYLINDRICAL OR SPHERICAL PROBE PLACED IN PLASMA

By: BASU, J; SEN, C

JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 12 Issue: 7 Pages: 1081-1082 Published: 1973

18.DETERMINATION OF ELECTRON-DENSITY AND ELECTRON COLLISION FREQUENCY IN A PLASMA BY AN RF NONIMMERSIVE PROBE

By: BASU, J; MAITI, JN

JOURNAL OF APPLIED PHYSICS Volume: 44 Issue: 9 Pages: 3975-3979 Published: 1973

19.RADIOCHEMICAL YIELD IN SPONTANEOUS FISSION OF U-238

By: PURKAYASTHA, BC; BHATTACHARYYA, DK

JOURNAL OF INORGANIC & NUCLEAR CHEMISTRY Volume: 35 Issue: 6 Pages: 1793-1796

Published: 1973

20.LOW-LYING POSITIVE-PARITY STATES OF EU-151

By: SEN, S

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 6 Issue: 4 Pages: L45-L47

Published: 1973

21.ACOUSTIC NMR IN SPIN-1 SYSTEMS

By: SINHA, SK; GHATAK, SK

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 34 Issue: 9 Pages: 1477-1486

Published: 1973

22.DEPENDENCE OF SYMMETRICAL CHARGE-TRANSFER CROSS-SECTION ON IONIZATION POTENTIAL

By: DEWANGAN, DP

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 6 Issue: 2 Pages: L20-

L23 Published: 1973

23.SHIELDING OF QUADRUPOLE CRYSTALLINE ELECTRIC-FIELD AT A PR-3+ ION

By: DAS, KC; RAYCHAUDHURI, AK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 6 Issue: 8 Pages: 1385-1389 Published:

1973

24.IMPEDANCE PROBE AND DC PROBE STUDIES ON PLASMA OF A GLOW-DISCHARGE

By: SEN, C; BASU, J

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 6 Issue: 2 Pages: 172-183 Published: 1973

25.ULTRASONIC PROPAGATION IN DILUTE MAGNETIC ALLOYS

By: RAMAKANTH, A; GHATAK, SK

JOURNAL OF PHYSICS F-METAL PHYSICS Volume: 3 Issue: 10 Pages: 1796-1802 Published: 1973

26.NUCLEAR MAGNETIC-RESONANCE STUDIES IN A NUMBER OF RARE-EARTH PHOSPHATES

By: BOSE, M; BHATTACHARYYA, M

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 34 Issue: 4 Pages: 903-907 Published:

1973

27.IDENTIFICATION OF BLOCK IN INTRACELLULAR REPLICATION OF SINGLE-STRANDED DNA OF  
PHOTODYNAMICALLY INACTIVATED BACTERIOPHAGE PHI-X174

By: CHAUDHURI, UC; PODDAR, RK

JOURNAL OF VIROLOGY Volume: 11 Issue: 3 Pages: 368-371 Published: 1973

28.REACTIVATION OF PHOTOINACTIVATED SINGLE-STRANDED DNA BACTERIOPHAGE PHI-X-174 BY UV-  
IRRADIATED ESCHERICHIA-COLI CELLS

By: BANDOPADHYAY, U; PODDAR, RK

JOURNAL OF VIROLOGY Volume: 12 Issue: 6 Pages: 1204-1208 Published: 1973

29. AG-108M AS A CALIBRATING SOURCE FOR ABSOLUTE EFFICIENCY OF GE(LI) DETECTORS  
By: DASMAHAPATRA, BK; MUKHERJEE, P  
NUCLEAR INSTRUMENTS & METHODS Volume: 107 Issue: 3 Pages: 611-612 Published: 1973
30. LIBERATION OF POSITIVE-IONS FROM SILVER SINGLE-CRYSTALS UNDER HEAVY-ION BOMBARDMENT  
By: BHATTACHARYA, RS; KARMOHAPATRO, SB  
NUCLEAR INSTRUMENTS & METHODS Volume: 109 Issue: 1 Pages: 191-193 Published: 1973
31. GENERATOR COORDINATE METHOD FOR SHAPE VIBRATIONS  
By: ANSARI, A; NAIR, SCK  
NUCLEAR PHYSICS A Volume: A217 Issue: 2 Pages: 245-252 Published: 1973
32. DOPPLER-BROADENED ANNIHILATION RADIATIONS IN SOME METALS  
By: SEN, P; PATRO, AP; RAO, MR  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-BASIC TOPICS IN PHYSICS Volume: B 17 Issue: 1 Pages: 212-218 Published: 1973
33. APPROXIMATE ANALYTIC REPRESENTATION OF CONDUCTION-BAND OF LANTHANUM  
By: RAMAKANT.A; KUMAR, S  
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH Volume: 18 Issue: 2 Pages: K125-K128 Published: 1973
34. MAGNETIC PROPERTIES OF SOME COMPLEXES OF MO<sub>5</sub><sup>+</sup>  
By: DE, I; DESAI, VP; CHAKRAVA.AS  
PHYSICAL REVIEW B Volume: 8 Issue: 8 Pages: 3769-3772 Published: 1973
35. MAGNETIC-MOMENT OF 80-KEV 1-STATE OF PR-144  
By: SINHA, BK; BHATTACHARYYA, R  
PHYSICAL REVIEW C Volume: 7 Issue: 1 Pages: 350-353 Published: 1973
36. SINGLE-PARTICLE DENSITY OF RENORMALIZED FERMI-GAS MODEL  
By: GHOSH, SK; CHATTERJEE, A  
PHYSICAL REVIEW C Volume: 7 Issue: 2 Pages: 840-853 Published: 1973
37. DISPERSION SUM-RULES FOR SIGMA-LAMBDA TRANSITION MAGNETIC-MOMENT  
By: MALLIK, S  
PHYSICAL REVIEW D Volume: 7 Issue: 1 Pages: 284-287 Published: 1973
38. EQUAL-TIME COMMUTATOR OF CHARGE DENSITIES IN QUANTUM ELECTRODYNAMICS  
By: KHARE, AV; PRADHAN, T  
PHYSICAL REVIEW D Volume: 8 Issue: 6 Pages: 1863-1867 Published: 1973
39. THERMAL-CONDUCTIVITY OF THALLIUM TELLURIDE

By: AGGARWAL, MD; VERMA, JKD

PHYSICS LETTERS A Volume: A 45 Issue: 3 Pages: 201-202 Published: 1973

40.CENTRIFUGAL STRETCHING IN ER-158

By: NAIR, SCK; ANSARI, A

PHYSICS LETTERS B Volume: B 47 Issue: 3 Pages: 200-202 Published: 1973

41.THERMAL-CONDUCTIVITY OF A GASEOUS PLASMA

By: MAJUMDAR, SK; ADHIKARI, D; LAHIRI, A

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 15 Issue: 12 Pages: 1259-1261 Published: 1973

42.LINDEMANN-GILVARRY MELTING LAW AND DEBYE TEMPERATURES OF SOME CUBIC SEMICONDUCTORS

By: AGGARWAL, MD; RAJU, V; VERMA, JKD

REVUE ROUMAINE DE PHYSIQUE Volume: 18 Issue: 1 Pages: 89-91 Published: 1973

43.ELECTRON-MICROSCOPY OF DNA FROM COLIPHAGE N4

By: SINHA, RK; MISRA, DN; DASGUPTA, NN

VIROLOGY Volume: 51 Issue: 2 Pages: 493-498 Published: 1973

44.CRYSTAL-STRUCTURES OF C<sub>5</sub>H<sub>12</sub>N+HS<sup>-</sup> AND C<sub>5</sub>H<sub>11</sub>N.HCL

By: DATTAJUP.JK

ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 30 Issue: FEB15 Pages: 553-553 Published: 1974

45.EFFECT OF ATOMIC LEVEL WIDTH ON GE(LI) X-RAY-SPECTRA

By: PATHAK, BP; MAKHERJEE, SK

APPLIED SPECTROSCOPY Volume: 28 Issue: 5 Pages: 445-448 Published: 1974

46.ELECTRON-MICROSCOPIC STUDIES ON CONFIGURATION OF DNA AND CHROMATIN FIBERS OF HYDRA-VULGARIS

By: MOOKERJEE, A

INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY Volume: 12 Issue: 2 Pages: 146-152 Published: 1974

47.ON A NOTE CONCERNING LINKED-CLUSTER FACTORIZATION IN AN OPEN-SHELL THEORY

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

INDIAN JOURNAL OF PHYSICS Volume: 48 Issue: 5 Pages: 472-474 Published: 1974

48.ON CHOICE OF VIRTUAL ORBITALS IN A MANY-BODY PERTURBATION CALCULATION OF PAIR-CORRELATION ENERGIES

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

INDIAN JOURNAL OF PHYSICS Volume: 48 Issue: 5 Pages: 474-476 Published: 1974

49. APPLICABILITY OF APPROXIMATED THOMAS-FERMI POTENTIALS IN LOW AND INTERMEDIATE ENERGY REGIONS

By: BHATTACHARYA, RS

INDIAN JOURNAL OF PHYSICS Volume: 48 Issue: 10 Pages: 925-931 Published: 1974

50. MICROWAVE-SPECTRUM AND QUADRUPOLE COUPLING-CONSTANTS OF 3-CHLOROPYRIDINE

By: CHATTERJEE, A; GHOSH, DK

INDIAN JOURNAL OF PHYSICS Volume: 48 Issue: 10 Pages: 958-958 Published: 1974

51. MEASUREMENT OF ACOUSTIC VELOCITY IN ALUMINUM BY COHERENT PULSE-CW TECHNIQUE

By: GHATAK, SK; SINHA, SK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 1 Pages: 66-& Published: 1974

52. NORMAL COORDINATE TREATMENT OF CHLOROFORMS AND BROMOFORMS IN UREY-BRADLEY FORCE-FIELD

By: NANDI, RN

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 1 Pages: 87-92 Published: 1974

53. CRYSTAL AND MOLECULAR-STRUCTURES OF DL-LYSINE HYDROCHLORIDE

By: BHADURI, D; SAHA, NN

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 1 Pages: 93-96 Published: 1974

54. OSCILLATIONS IN SYMMETRICAL CHARGE-TRANSFER CROSS-SECTIONS

By: DEWANGAN, DP

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 3 Pages: 269-283 Published: 1974

55. SPUTTERING OF FE(111) CRYSTAL UNDER AR+ AND KR+ ION-BOMBARDMENT

By: BHATTACH.RS; BASU, D; KARMOHAP.SB

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 10 Pages: 941-943 Published: 1974

56. RACA PARAMETERS AND AVERAGE MOMENTS OF SECOND AND THIRD SERIES TRANSITION-METAL IONS

By: IBHADE, VPD; CHAKRAVARTY, AS

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 48 Issue: 12 Pages: 1133-1138 Published: 1974

57. AUTOMATIC ZONE REFINER FOR ORGANIC COMPOUNDS

By: AGGARWAL, MD; RAJU, V; VERMA, JKD

INDIAN JOURNAL OF TECHNOLOGY Volume: 12 Issue: 2 Pages: 75-76 Published: 1974

58.COUPLED HARTREE-FOCK CALCULATION OF STATIC DIPOLE POLARIZABILITIES AND SHIELDING FACTORS OF OPEN-SHELL SYSTEMS

By: GUPTA, A; BHATTACHARYA, AK; MUKHERJEE, PK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 8 Issue: 1 Pages: 97-105 Published: 1974

59.MORTALITY OF TOAD BUFO-MELANOSTICTUS AFTER WHOLE-BODY X-IRRADIATION

By: GUHA, T; DE, ML

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 26 Issue: 1 Pages: 77-80 Published: 1974

60.PROPERTIES OF A DIELECTRIC-ROD WAVEGUIDE IMMERSSED IN PLASMA

By: MAITI, JN; BASU, J

JOURNAL OF APPLIED PHYSICS Volume: 45 Issue: 4 Pages: 1650-1656 Published: 1974

61.GRUNEISEN CONSTANTS OF SOME GROUP-V AND GROUP-VI ELEMENTS

By: AGGARWAL, MD; VERMA, JKD

JOURNAL OF APPLIED PHYSICS Volume: 45 Issue: 6 Pages: 2796-2796 Published: 1974

62.PROPAGATION ALONG A DIELECTRIC-COATED CYLINDER IMMERSSED IN PLASMA

By: BASU, J; MAITI, JN

JOURNAL OF APPLIED PHYSICS Volume: 45 Issue: 11 Pages: 4795-4796 Published: 1974

63.K-CAPTURE PROBABILITY IN DECAY OF BA-133 FROM X-RAY-GAMMA-RAY SUMMING IN GE(LI) DETECTORS

By: DASMAHAPATRA, BK; MUKHERJE.P

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 7 Issue: 3 Pages: 388-394 Published: 1974

64.ABSOLUTE K-CONVERSION COEFFICIENTS FROM X-RAY GAMMA-RAY SUMMING IN GE(LI) DETECTORS

By: MUKHERJEE, P; DASMAHAPATRA, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 7 Issue: 16 Pages: 2008-2016 Published: 1974

65.STUDY OF EXISTENCE OF UNKNOWN AND UNSTABLE COMPOUNDS THROUGH MIXED-CRYSTAL FORMATION USING RADIOACTIVE-TRACERS

By: PURKAYASTHA, BC; DAS, N

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 20 Issue: 2 Pages: 489-497 Published: 1974

66.CO-SEPARATION OF HAFNIUM WITH ZIRCONIUM OXYCHLORIDE USING HF-175,HF-181 AS RADIOACTIVE-TRACER

By: PURKAYAS.BC; SARKAR, S; MAHAPATR.NS

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 22 Issue: 1-2 Pages: 83-93 Published: 1974

67.PHOTODYNAMIC INACTIVATION OF ANTIGENIC DETERMINANTS OF SINGLE-STRANDED-DNA BACTERIOPHAGE-PHIX174

By: KHAN, NC; PODDAR, RK

JOURNAL OF VIROLOGY Volume: 13 Issue: 5 Pages: 997-1000 Published: 1974

68.CALCULATION OF FUNDAMENTAL LENGTH AND FINE-STRUCTURE CONSTANT FROM EQUAL-TIME COMMUTATORS

By: PRADHAN, T; KHARE, AV

LETTERE AL NUOVO CIMENTO Volume: 10 Issue: 16 Pages: 701-704 Published: 1974

69.SINGLE-HOLE-CORE COUPLING IN N-50 REGION

By: BASU, SK; SEN, S

NUCLEAR PHYSICS A Volume: 220 Issue: 3 Pages: 580-588 Published: 1974

70.ELASTIC-CONSTANTS OF FLUX LINE LATTICE IN TYPE-II SUPERCONDUCTORS

By: KHANRA, BC; RAYCHAUDHURI, AK

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 65 Issue: 1 Pages: K29-K33  
Published: 1974

71.MAGNETIC-SUSCEPTIBILITY OF ANTIFERROMAGNETIC IR<sub>4</sub><sup>+</sup> COMPLEXES

By: DE, I; DESAI, VP; CHAKRAVARTY, AS

PHYSICAL REVIEW B Volume: 10 Issue: 3 Pages: 1113-1117 Published: 1974

72.QUESTION OF VALIDITY OF EIKONAL APPROXIMATION

By: BANERJEE, H; MALLIK, S

PHYSICAL REVIEW D Volume: 9 Issue: 4 Pages: 956-962 Published: 1974

73.FINITE QUANTUM ELECTRODYNAMICS

By: PRADHAN, T; LAHIRI, A

PHYSICAL REVIEW D Volume: 10 Issue: 6 Pages: 1872-1882 Published: 1974

74.MAGNETIZATION OF TYPE-II SUPERCONDUCTORS IN MIXED STATE

By: KHANRA, BC; RAYCHAUDHURI, AK

PHYSICS LETTERS A Volume: A 46 Issue: 5 Pages: 311-312 Published: 1974

75.NMR IN RARE-EARTH VANADATES

By: BOSE, M; GANGULI, S

PHYSICS LETTERS A Volume: A 48 Issue: 5 Pages: 357-358 Published: 1974

76.MULTI-REGGE MODEL FOR SELF-CONSISTENT POMERON WITH UNIT INTERCEPT

By: BANERJEE, H; BASU, U; MALLIK, S

PHYSICS LETTERS B Volume: B 52 Issue: 1 Pages: 81-83 Published: 1974

77.SPATTERING EXPERIMENTS WITH SILVER SINGLE-CRYSTALS AND CHANNELING PHENOMENA



By: BHATTACHARYA, RS; BASU, D; KARMOHAPATRO, SB  
RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 21 Issue: 4 Pages: 275-278 Published: 1974

78. IONIZING-RADIATION EFFECT ON PREPARATIONS OF MITOCHONDRIAL-DNA OF RAT-BRAIN AS REVEALED BY ELECTRON-MICROSCOPE

By: CHOUDHUR.RP; SADHUKHA.P; NARAYANA.A  
RADIATION RESEARCH Volume: 59 Issue: 1 Pages: 278-278 Published: 1974

79. USE OF ALUMINA AS AN ION-EXCHANGER IN SEPARATION OF CARRIER- RAE FROM RAD

By: BHATTACHARYYA, DK  
SEPARATION SCIENCE Volume: 9 Issue: 3 Pages: 257-260 Published: 1974

80. SEPARATION OF CARRIER- SC-48 TRACER AND ITS DETERMINATION BY ISOTOPIC DILUTION

By: PURKAYAS.BC; DAS, N  
TALANTA Volume: 21 Issue: 4 Pages: 310-312 Published: 1974

81. SEPARATION OF GOLD FROM LEAD-RICH MINERALS FOR NEUTRON-ACTIVATION ANALYSIS

By: DAS, N; BHATTACHARYYA, SN  
TALANTA Volume: 21 Issue: 8 Pages: 894-896 Published: 1974

82. CONFORMATION OF PROFLAVINE-BOUND DNA-MOLECULES

By: DASGUPTA, S; MISRA, DN  
ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: C 29 Issue: 3-4 Pages: 128-129 Published: 1974

83. CRYSTAL AND MOLECULAR-STRUCTURE OF L-PHENYLEPHRINE HYDROCHLORIDE

By: BHADURI, D; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION A Volume: 31 Supplement: S Pages: S54-S54 Published: 1975

84. CRYSTAL AND MOLECULAR-STRUCTURE OF TYRAMINE HYDROCHLORIDE

By: PODDAR, A; SAHA, NN; DATTA GUPTA, JK; et al.  
ACTA CRYSTALLOGRAPHICA SECTION A Volume: 31 Supplement: S Pages: S54-S54 Published: 1975

85. CORRECTIONS TO GLAUBER MULTIPLE-SCATTERING SERIES

By: BANERJEE, H; DUTTARROY, B; SHARMA, SK  
ANNALS OF PHYSICS Volume: 95 Issue: 1 Pages: 127-138 Published: 1975

86. OBLIQUE BANDING-PATTERN IN COLLAGEN FIBRILS RECONSTITUTED INVITRO AFTER TRYPSIN TREATMENT

By: GHOSH, SK; MITRA, HP  
BIOCHIMICA ET BIOPHYSICA ACTA Volume: 405 Issue: 2 Pages: 340-346 Published: 1975

87. REPAIR OF HEAT INJURY IN THYMINE AUXOTROPHS OF ESCHERICHIA-COLI

By: BHAUMIK, G; BHATTACHARJEE, SB

CANADIAN JOURNAL OF MICROBIOLOGY Volume: 21 Issue: 8 Pages: 1274-1277 Published: 1975

88.DETERMINATION OF OMEGA, TAU AND EFFECTIVE COLLISION FREQUENCY IN A WEAKLY IONIZED MAGNETO PLASMA

By: CHATTERJEE, AK; SENGUPTA, SN

INDIAN JOURNAL OF PHYSICS Volume: 49 Issue: 6 Pages: 434-439 Published: 1975

89.COMPARATIVE STUDY OF ORBITAL VALENCY FORCE-FIELD (OVFF) AND MODIFIED UREY-BRADLEY FORCE-FIELD (MUBFF) MODELS FOR PENTAHALIDES OF GROUP-V ELEMENTS

By: NANDI, RN; GHOSH, DK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 49 Issue: 4 Pages: 257-268 Published: 1975

90.CHARGE TRANSPORT IN A VANDEGRAAFF GENERATOR

By: GANGULY, AK; SAHA, A

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 49 Issue: 4 Pages: 287-295 Published: 1975

91.MEASUREMENT OF ELASTIC-CONSTANTS OF ALUMINUM AND COPPER USING A CONTINUOUS WAVE ULTRASONIC TECHNIQUE

By: RAMAKANTH, A; CHATTERJEE, A; SINHA, SK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 49 Issue: 5 Pages: 373-384 Published: 1975

92.MICROWAVE-SPECTRUM AND QUADRUPOLE COUPLING-CONSTANTS OF 3-CHLOROPYRIDINE

By: CHATTERJEE, A; GHOSH, DK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 49 Issue: 10 Pages: 717-728 Published: 1975

93.PERFORMANCE OF A QUADRUPOLE MASS-SPECTROMETER WITH A SURFACE IONIZATION SOURCE

By: DEY, SD; KARMOHAPATRO, SB; BANERJEE, BM

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 49 Issue: 11 Pages: 797-803 Published: 1975

94.GRUNEISEN PARAMETER OF SOME GROUP 3-5 COMPOUNDS

By: AGGARWAL, MD; VERMA, JKD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 13 Issue: 12 Pages: 854-855 Published: 1975

95.COUPLED HARTREE-FOCK CALCULATION OF STATIC AND SHIELDING FACTORS FOR OPEN-SHELL ATOMIC SYSTEMS

By: GUPTA, A; ROY, HP; MUKHERJEE, PK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 9 Issue: 1 Pages: 1-8 Published: 1975

96.FREQUENCY-DEPENDENT POLARIZABILITY OF OPEN-SHELL ATOMIC SYSTEMS

By: ROY, HP; GUPTA, A; MUKHERJEE, PK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 9 Issue: 1 Pages: 75-81 Published: 1975

97.CORRECTIONS TO COUPLED HARTREE-FOCK THEORY - REARRANGEMENT EFFECT

By: BHATTACHARYA, AK; MOITRA, RK; MUKHERJI, A

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 9 Issue: 3 Pages: 385-392  
Published: 1975

98.REARRANGEMENT CORRECTION TO HIGHER POLARIZABILITIES OF 2-ELECTRON SYSTEMS

By: ROY, HP; BHATTACHARYA, AK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 9 Issue: 3 Pages: 495-504  
Published: 1975

99.NEW PARTITIONING OF HAMILTONIAN IN MANY-BODY CALCULATION OF PAIR-CORRELATION ENERGIES IN CLOSED-SHELL SYSTEMS

By: MUKHOPADHYAY, A; MOITRA, RK; MUKHERJEE, D

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 9 Issue: 3 Pages: 545-554  
Published: 1975

100.INVESTIGATIONS ON SPUTTERED EJECTION PATTERNS FROM AG(111) SINGLE-CRYSTAL

By: BHATTACHARYA, RS; MUKHERJEE, DK; BASU, D; et al.

JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 14 Issue: 10 Pages: 1591-1592 Published: 1975

101.IMPEDANCE PROBE AND DC PROBE STUDIES ON A COLLISIONAL PLASMA IN AN ARC-DISCHARGE

By: BASU, J; SEN, C

JOURNAL OF APPLIED PHYSICS Volume: 46 Issue: 5 Pages: 2298-2300 Published: 1975

102.AVERAGING METHOD FOR SHEAR MODULUS AND DEBYE TEMPERATURES OF CUBIC SOLIDS

By: VERMA, JKD; AGGARWAL, MD

JOURNAL OF APPLIED PHYSICS Volume: 46 Issue: 7 Pages: 2841-2844 Published: 1975

103.CRYSTAL AND MOLECULAR-STRUCTURE OF HEXAHYDROPYRIDINE (PIPERIDINE) HYDROCHLORIDE

By: DATTA GUPTA, JK; SAHA, NN

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 5 Issue: 3 Pages: 177-189 Published: 1975

104.ACOUSTIC NMR IN SPIN 3-2 SYSTEMS IN CUBIC-CRYSTALS

By: RAMAKANTH, A; SINHA, SK

JOURNAL OF MAGNETIC RESONANCE Volume: 19 Issue: 1 Pages: 1-10 Published: 1975

105.CLASSICAL NONLINEAR OSCILLATOR AND COHERENT STATE

By: BHAUMIK, K; DUTTARROY, B

JOURNAL OF MATHEMATICAL PHYSICS Volume: 16 Issue: 5 Pages: 1131-1133 Published: 1975

106.COHERENT STATES FOR ANGULAR-MOMENTUM

By: BHAUMIK, D; NAG, T; DUTTARROY, B

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 8 Issue: 12 Pages: 1868-1874

Published: 1975

107.LIFETIME OF 410 KEV LEVEL OF PM-147

By: SINHA, BK; SEN, S; BHATTACHARYA, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 1 Issue: 1 Pages: 92-94

Published: 1975

108.QUASIPARTICLE-PHONON COUPLING IN ODD-A TE ISOTOPES

By: SEN, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 1 Issue: 3 Pages: 286-302

Published: 1975

109.DECAY OF CU-68(M)(3.75 MIN) AND CU-68(G)(30S)

By: TIKKU, VK; MUKHERJEE, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 1 Issue: 4 Pages: 446-452

Published: 1975

110.DIFFERENTIAL ANGULAR-CORRELATION OF 70-103 KEV CASCADE IN EU-153 IN DIFFERENT LIQUID SOURCES

By: SINHA, BK; BHATTACHARYA, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 1 Issue: 4 Pages: 467-475

Published: 1975

111.EXCITED-LEVELS OF SR-85

By: BASU, SK; PATRO, AP

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 1 Issue: 8 Pages: 836-852

Published: 1975

112.STUDY OF TRANSITION-TEMPERATURE THROUGH MIXED-CRYSTAL FORMATION .4.

By: PURKAYASTHA, BC; DAS, N

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 25 Issue: 1 Pages: 35-46 Published: 1975

113.ESTIMATION OF RARE AND RADIOACTIVE CONSTITUENTS IN SAMPLES OF INDIAN TOBACCO WITH AID OF LOW-LEVEL BETA-COUNTER

By: PURKAYASTHA, BC; BHATTACHARYYA, DK

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 27 Issue: 2 Pages: 345-351 Published: 1975

114.CORRELATION PROBLEM IN OPEN-SHELL ATOMS AND MOLECULES - NON-PERTURBATIVE LINKED CLUSTER FORMULATION

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

MOLECULAR PHYSICS Volume: 30 Issue: 6 Pages: 1861-1888 Published: 1975

115.SPAN - FORTRAN PROGRAM FOR ROUTINE AND DETAILED ANALYSIS OF GAMMA-SPECTRA USING A SMALL COMPUTER

By: BASU, SK; PATRO, AP

NUCLEAR INSTRUMENTS & METHODS Volume: 126 Issue: 1 Pages: 115-123 Published: 1975

116.PLEA FOR CHARGE INJECTION FOR ION EXTRACTION

By: MAJUMDAR, NK

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS Volume: 29 Issue: 1 Pages: 178-188 Published: 1975

117.PHOTOREACTIVATION OF THYMINE-STARVED ESCHERICHIA-COLI BS-1

By: GHOSH, N; BHATTACHARJEE, SB

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 21 Issue: 1 Pages: 1-4 Published: 1975

118.FLUX PINNING BY GRAIN-BOUNDARIES IN ANISOTROPIC SUPERCONDUCTING MATERIALS

By: KHANRA, BC

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 72 Issue: 1 Pages: 303-308 Published: 1975

119.ISOTROPIC KNIGHT-SHIFT OF CADMIUM

By: GUPTA, A; KUMAR, S; RAMCHANDANI, MG

PHYSICAL REVIEW B Volume: 12 Issue: 12 Pages: 5407-5409 Published: 1975

120.K-CAPTURE PROBABILITY (PK) IN DECAY OF EU-152(12.4 YR) AND IR-192(74 DAY)

By: DASMAHAPATRA, BK

PHYSICAL REVIEW C Volume: 12 Issue: 2 Pages: 702-705 Published: 1975

121.SHELL CORRECTIONS TO NUCLEAR BINDING-ENERGIES AND COHERENT STATE

By: BHAUMIK, D; DASGUPTA, B; DUTTARROY, B

PHYSICS LETTERS B Volume: B 56 Issue: 2 Pages: 119-122 Published: 1975

122.ENERGY PARTITIONS IN FISSION

By: DATTA, R

PHYSICS LETTERS B Volume: B 56 Issue: 4 Pages: 325-328 Published: 1975

123.K-CAPTURE PROBABILITY IN DECAY OF CE-139(137.5D)

By: DASMAHAPATRA, BK

PRAMANA Volume: 4 Issue: 5 Pages: 218-221 Published: 1975

124.NON-PERTURBATIVE OPEN-SHELL THEORY FOR ATOMIC AND MOLECULAR SYSTEMS - APPLICATION TO TRANSBUTADIENE

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

PRAMANA Volume: 4 Issue: 6 Pages: 247-263 Published: 1975

125.PULSED LANGMUIR PROBE FOR PLASMA DIAGNOSIS

By: CHATTERJEE, AK; GUHARAY, SK; SENGUPTA, SN

PRAMANA Volume: 5 Issue: 6 Pages: 349-353 Published: 1975

126.EFFECT OF COULOMB INTERACTION ON PROTON OPTICAL-POTENTIAL

By: SAMADDAR, SK; RAY, S

PROGRESS OF THEORETICAL PHYSICS Volume: 53 Issue: 5 Pages: 1384-1391 Published: 1975

127.DETERMINATION OF GOLD AND ARSENIC IN INDIAN TOBACCO-LEAVES

By: PURKAYASTHA, BC; BHATTACHARYYA, DK

RADIOCHEMICAL AND RADIOANALYTICAL LETTERS Volume: 23 Issue: 1 Pages: 43-48 Published: 1975

128.DEVELOPMENT OF A SIMPLE METHOD FOR PREPARATION OF REACTOR-GRADE ZIRCONIUM

By: MAHAPATRA, NS; PURKAYASTHA, U; SARKAR, S

SEPARATION SCIENCE Volume: 10 Issue: 6 Pages: 755-766 Published: 1975

129.CENTRIFUGAL-DISTORTION AND QUADRUPOLE COUPLING-CONSTANTS OF CHLOROFLUOROMETHANE

By: NANDI, RN; CHATTERJI, A

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: A 31 Issue: 5-6 Pages: 603-608 Published: 1975

130.DIRECT EVIDENCE FOR NONEXISTENCE OF ESTER-BONDS IN COLLAGEN CHAINS

By: GHOSH, SK; SAHA, NN; BYWATER, RP

CURRENT SCIENCE Volume: 45 Issue: 16 Pages: 585-586 Published: 1976

131.SATISFACTORY CORRELATION OF SEGMENT LONG SPACING BANDING-PATTERNS WITH AMINO-ACID SEQUENCE OF COLLAGEN CHAIN

By: GHOSH, SK; MITRA, HP; SAHA, NN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 13 Issue: 2 Pages: 137-140 Published: 1976

132.STUDY OF TRANSITION-TEMPERATURE OF MOHRS SALT ANALOG OF MN(II) BY DISTRIBUTION MEASUREMENT

By: PURKAYASTHA, BC; SINHAMAHAPATRA, N

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 14 Issue: 6 Pages: 396-398 Published: 1976

133.HOMOLOGY OF BANDING-PATTERNS IN SEGMENT LONG SPACING (SLS) AGGREGATES OF COLLAGEN FROM VARIOUS TISSUES - SYSTEMATIC STUDY

By: GHOSH, SK; MITRA, HP; DAS, S

INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY Volume: 14 Issue: 2 Pages: 107-109 Published: 1976

134.EFFECT OF A TRANSVERSE MAGNETIC-FIELD ON SPARKING CHARACTERISTICS OF GASES AT LOW-PRESSURES

By: GUHARAY, SK; SENGUPTA, SN

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 50 Issue: 1 Pages: 9-17 Published: 1976

135.OPERATIONAL CHARACTERISTICS OF A PRESSURIZED VANDEGRAAFF GENERATOR

By: GANGULY, AK; SAHA, A

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 50 Issue: 7 Pages: 683-689 Published: 1976

136.OPTICAL-ABSORPTION SPECTRA OF  $Mn^{2+}$  IN MANGANOUS FLUOSILICATE HEXAHYDRATE

By: DESAI, VP; DE, I; CHAKRAVARTY, AS

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 50 Issue: 7 Pages: 708-715 Published: 1976

137.SCALE-INVARIANCE IN NONRELATIVISTIC QUANTUM-MECHANICS

By: SIDHANTA, B; PRADHAN, T; ROY, BD

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE Volume: 50 Issue: 12 Pages: 1003-1007 Published: 1976

138.AUTOMATIC CONSTANT VELOCITY MOSSBAUER SPECTROMETER

By: BHATTACHARYA, M; BHATTACHARYA, R

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 14 Issue: 5 Pages: 404-406 Published: 1976

139.RADIOLYSIS OF AQUEOUS-SOLUTIONS OF NITRILOTRIACETIC ACID

By: BHATTACHARYA, SN; SRISANKAR, EV

INTERNATIONAL JOURNAL FOR RADIATION PHYSICS AND CHEMISTRY Volume: 8 Issue: 6 Pages: 667-671 Published: 1976

140.APPROXIMATE CALCULATION OF SHEAR MODULUS AND DEBYE TEMPERATURES OF ALKALI-HALIDES

By: VERMA, JKD; AGGARWAL, MD

JOURNAL OF APPLIED PHYSICS Volume: 47 Issue: 6 Pages: 2778-2778 Published: 1976

141.COIL PROBE METHOD FOR DETERMINING ELECTRON-DENSITY AND ELECTRON COLLISION FREQUENCY IN A MAGNETOPLASMA

By: BASU, J

JOURNAL OF APPLIED PHYSICS Volume: 47 Issue: 9 Pages: 4234-4236 Published: 1976

142.MITOCHONDRIA AND MITOCHONDRIAL-DNA OF HUMAN LEUKEMIC-CELLS

By: CHOUDHURY, RP; MISRA, DN; MAITI, S; et al.

JOURNAL OF CELL BIOLOGY Volume: 70 Issue: 2 Pages: A9-A9 Published: 1976

143.MICROWAVE-SPECTRUM OF 1,2,4-TRIFLUOROBENZENE

By: NANDI, RN; CHATTERJEE, A; GHOSH, DK

JOURNAL OF MOLECULAR STRUCTURE Volume: 33 Issue: 1 Pages: 63-68 Published: 1976

144.CHARGED BOSONS AND COHERENT STATE

By: BHAUMIK, D; BHAUMIK, K; DUTTARROY, B

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 9 Issue: 9 Pages: 1507-1512  
Published: 1976

145.CRITICAL BEHAVIOR OF A COMPRESSIBLE GAUSSIAN SYSTEM

By: CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 9 Issue: 20 Pages: L569-L573 Published:  
1976

146.GENERALIZATION OF CLUSTER-BETHE LATTICE APPROACH FOR ELECTRONIC DENSITY OF STATES IN  
BINARY-ALLOYS

By: CHAUDHURI, P; MOITRA, RK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 9 Issue: 17 Pages: L455-L459 Published:  
1976

147.LEVEL STRUCTURE OF PM-147

By: SINHA, BK; SEN, S; BHATTACHARYA, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 2 Issue: 3 Pages: 159-170  
Published: 1976

148.GAMMA VIBRATIONAL BAND IN DY-160

By: DASMAHAPATRA, BK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 2 Issue: 4 Pages: 233-241  
Published: 1976

149.COHERENT STATE AND RADIAL EXCITATION ADMIXTURES IN GROUND-STATE WAVEFUNCTION

By: GHOSH, G; PUNDARI, SB; DUTTARROY, B

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 2 Issue: 9 Pages: 677-679  
Published: 1976

150.SIMPLE METHOD FOR PREPARATION OF PURE HAFNIUM

By: PURKAYASTHA, BC; SINHAMAHAPATRA, N

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 33 Issue: 1 Pages: 129-135 Published: 1976

151.DETERMINATION OF GOLD BY NEUTRON-ACTIVATION ANALYSIS IN SOME SELECTED  
PRECAMBRIAN ROCKS FROM EASTERN INDIA

By: DAS, NR; CHAKRABORTY, PS; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 34 Issue: 2 Pages: 249-259 Published: 1976

152.USE OF ALUMINA AS ION-EXCHANGER IN SEPARATION OF CARRIER Y-90 FROM SR-90



By: BHATTACHARYYA, DK; BASU, S  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 53 Issue: 8 Pages: 850-852 Published: 1976

153.COUPLED HARTREE-FOCK CALCULATION OF ELECTRIC-DIPOLE HYPERPOLARIZABILITY OF 3 AND 4 ELECTRON SEQUENCES

By: ROY, HP; BHATTACHARYYA, AK  
MOLECULAR PHYSICS Volume: 31 Issue: 3 Pages: 649-656 Published: 1976

154.METHOD TO OBTAIN UNCHANGED ENERGY CALIBRATION IN PULSE-HEIGHT ANALYZER FOR A GAS FILLED DELTA-E-PROPORTIONAL COUNTER AT DIFFERENT FILLING PRESSURES

By: CHATTERJEE, ML  
NUCLEAR INSTRUMENTS & METHODS Volume: 133 Issue: 2 Pages: 275-277 Published: 1976

155.ANALOG RESONANCE IN V-51(P,N)CR-51/1

By: PAL, D; KRISHAN, K  
NUCLEAR PHYSICS A Volume: 272 Issue: 2 Pages: 365-380 Published: 1976

156.DECAY OF 46.6 S GE-75(M)

By: BHATTACHARYYA, P; CHATTOPADHYAY, RK; SETHI, B; et al.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 31 Issue: 3 Pages: 519-528 Published: 1976

157.ELECTRON-MEDIATED NUCLEAR SPIN-PHONON INTERACTION IN METALS

By: RAMAKANTH, A; GHATAK, SK  
PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 77 Issue: 2 Pages: K123-K127 Published: 1976

158.EFFECT OF PAIR CORRELATION ON NMR OF POWDERED PARAMAGNETS

By: BOSE, M; BHATTACHARYYA, M  
PHYSICAL REVIEW B Volume: 13 Issue: 11 Pages: 4961-4966 Published: 1976

159.LEVEL STRUCTURE OF ODD-A RB ISOTOPES

By: KRISHAN, K; BASU, SK; SEN, S  
PHYSICAL REVIEW C Volume: 13 Issue: 5 Pages: 2055-2061 Published: 1976

160.LEVEL STRUCTURE OF Y-85, Y-87

By: KRISHAN, K; SEN, S  
PHYSICAL REVIEW C Volume: 14 Issue: 2 Pages: 758-760 Published: 1976

161.POSSIBILITY OF BOSE CONDENSATION IN EXCITATION OF COHERENT MODES IN BIOLOGICAL-SYSTEMS

By: BHAUMIK, D; BHAUMIK, K; DUTTARROY, B  
PHYSICS LETTERS A Volume: 56 Issue: 2 Pages: 145-148 Published: 1976

162.RENORMALIZATION OF CRITICAL EXPONENTS IN BE COMPRESSIBLE ISING-MODEL

By: CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 57 Issue: 1 Pages: 15-16 Published: 1976

163. PHONON FREQUENCY-SHIFT AND ATTENUATION IN A COMPRESSIBLE ISING MAGNET

By: ROY, GK; CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 58 Issue: 3 Pages: 197-198 Published: 1976

164. MICROSCOPIC APPROACH TO FROHLICH MODEL OF BOSE CONDENSATION OF PHONONS IN BIOLOGICAL-SYSTEMS

By: BHAUMIK, D; BHAUMIK, K; DUTTARROY, B

PHYSICS LETTERS A Volume: 59 Issue: 1 Pages: 77-80 Published: 1976

165. MODEL FOR (D, P) OR (P, D) REACTIONS

By: MUKHERJEE, S; RAY, S; SAMADDAR, SK

PROGRESS OF THEORETICAL PHYSICS Volume: 55 Issue: 2 Pages: 482-497 Published: 1976

166. RADIOLYSIS OF AQUEOUS-SOLUTION OF COBALT(III)-ETHYLENEDIAMINE TETRAACETATE

By: BHATTACHARYYA, SN; KUNDU, KP

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 29 Issue: 4 Pages: 231-235 Published: 1976

167. GAMMA-RADIOLYSIS OF AQUEOUS-SOLUTIONS OF IMINODIACETIC ACID

By: BHATTACHARYYA, SN; SAHA, NC

RADIATION RESEARCH Volume: 68 Issue: 2 Pages: 234-243 Published: 1976

168. DETERMINATION OF SILICON IN IRON AND STEEL BY 14 MEV NEUTRON-ACTIVATION AND HIGH-RESOLUTION GAMMA-SPECTROMETRY

By: CHATTERJEE, JM; SETHI, B

RADIOCHEMICAL AND RADIOANALYTICAL LETTERS Volume: 26 Issue: 4 Pages: 251-257 Published: 1976

169. DECAY SCHEME OF <sup>284</sup>3D CE-144 AND ENERGY-LEVELS AND TRANSITIONS IN PR-144

By: CHATTERJEE, JM; CHATTOPADHYAY, RK; BHATTACHARYA, P; et al.

RADIOCHEMICAL AND RADIOANALYTICAL LETTERS Volume: 27 Issue: 2 Pages: 119-128 Published: 1976

170. USE OF ALUMINA AS AN ION-EXCHANGER IN SEPARATION OF CARRIER- LA-140 FROM BA-140

By: BHATTACHARYYA, DK; BASU, S

SEPARATION SCIENCE Volume: 11 Issue: 1 Pages: 103-108 Published: 1976

171. USE OF ALUMINA AS AN ION-EXCHANGER IN SEPARATION OF CARRIER- PR-144 FROM CE-144

By: BHATTACHARYYA, DK; BASU, S

SEPARATION SCIENCE Volume: 11 Issue: 5 Pages: 503-508 Published: 1976

172. SPECTROPHOTOMETRIC DETERMINATION OF IMINODIACETIC ACID IN PRESENCE OF PRIMARY AMINO-ACIDS

By: BHATTACHARYYA, SN; SAHA, NC

TALANTA Volume: 23 Issue: 4 Pages: 331-332 Published: 1976

173.SOLVENT-EXTRACTION OF GOLD

By: DAS, NR; BHATTACHARYYA, SN

TALANTA Volume: 23 Issue: 7 Pages: 535-540 Published: 1976

174.OPTICAL-ABSORPTION SPECTRA OF MN<sup>2+</sup> IN RHODONITE

By: DESAI, VP; DE, I; CHAKRAVARTY, AS

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART A Volume: 51 Issue: 3 Pages: 204-207 Published: 1977

175.MICROWAVE-SPECTRUM OF D<sub>5</sub>-CHLOROBENZENE

By: CHATTERJEE, A; NANDI, RN; GHOSH, DK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 51 Issue: 1 Pages: 17-22 Published: 1977

176.CALCULATION OF GROUND-STATE ENERGY, LOWEST PI-PI-STAR ENERGIES AND 1ST IONIZATION-POTENTIAL OF TRANSBUTADIENE USING A NON-PERTURBATIVE MANY-BODY THEORY FOR OPEN-SHELL SYSTEMS

By: MUKHOPADHYAY, A; MOITRA, RK

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 51 Issue: 3 Pages: 189-194 Published: 1977

177.DYNAMIC POLARIZABILITY OF HELIUM - INCLUSION OF REARRANGEMENT EFFECT IN AN EXTENDED VERSION OF COUPLED HARTREE-FOCK THEORY

By: MOITRA, RK; ROY, HP

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 51 Issue: 3 Pages: 223-236 Published: 1977

178.APPARATUS FOR THE STUDY OF SECONDARY IONS FROM SOLID-SURFACES UNDER ION-BOMBARDMENT

By: CHAKRABORTY, P; DEY, SD

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 51 Issue: 6 Pages: 473-474 Published: 1977

179.CORE-VALENCE SEPARATION AND USE OF NON-ORTHOGONAL BASIC SETS IN NON-PERTURBATIVE OPEN-SHELL MANY-BODY FORMALISM

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 15 Issue: 9 Pages: 623-628 Published: 1977

180.SEPARATION OF CARRIER- UX<sub>1</sub> FROM U

By: BHATTACHARYYA, DK; BASU, S

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 28 Issue: 5 Pages: 535-537 Published: 1977

181.USE OF NITRILOTRIACETIC ACID AND DIFFERENT RETAINING IONS IN SEPARATION OF RARE-EARTHS IN TRACER SCALE BY ION-EXCHANGE

By: DAS, NR; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 28 Issue: 8 Pages: 731-732 Published: 1977

182.COUPLED HARTREE-FOCK CALCULATION OF STATIC DIPOLE POLARIZATIONS OF OPEN-SHELL IONS

By: ROY, HP; GUPTA, A; MUKHERJEE, PK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 12 Issue: 1 Pages: 1-9 Published: 1977

183.SPATTERING OF IRON UNDER MOLECULAR ION-BOMBARDMENT

By: GHOSE, D; BASU, D; KARMOHAPATRO, SB

JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 16 Issue: 9 Pages: 1681-1682 Published: 1977

184.DETERMINATION OF ELECTRON-DENSITY AND ELECTRON COLLISION FREQUENCY IN A NONUNIFORM PLASMA COLUMN BY RF COIL PROBE

By: BASU, J; HORE, K

JOURNAL OF APPLIED PHYSICS Volume: 48 Issue: 11 Pages: 4812-4814 Published: 1977

185.ANHARMONIC CONTRIBUTION TO  $\epsilon$ -ENERGY OF A SOLID

By: CHATTOPADHYAY, PK; CHAKRABARTI, BK; SINHA, SK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 10 Issue: 2 Pages: 161-167 Published: 1977

186.TRANSITION-TEMPERATURE OF FERROELECTRIC KDP

By: ROY, GK; CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 10 Issue: 19 Pages: 3885-3891 Published: 1977

187.EFFECT OF PRESSURE ON STRUCTURAL PHASE-TRANSITION TEMPERATURE IN  $\text{COSIF}_6 \cdot 6\text{H}_2\text{O}$  AND  $\text{COZRF}_6 \cdot 6\text{H}_2\text{O}$

By: DUTTARROY, SK; PAL, A; GHOSH, B; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 10 Issue: 15 Pages: L403-L405 Published: 1977

188.PHASE-TRANSITION STUDIES IN  $\text{COSIF}_6 \cdot 6\text{D}_2\text{O}$

By: GHOSH, B; CHATTERJEE, N; DAS, AN; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 10 Issue: 18 Pages: L527-L529 Published: 1977

189.EXCITED-LEVELS OF SR-87

By: BASU, SK; PATRO, AP

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 3 Issue: 5 Pages: 701-714 Published: 1977

190.SINGLE-PARTICLE SCHRODINGER FLUID

By: GHOSH, G; DUTTARROY, B; DEY, M

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 3 Issue: 8 Pages: 1077-1084

Published: 1977

191.DETERMINATION OF GOLD BY NEUTRON-ACTIVATION ANALYSIS IN SOME SELECTED ROCKS AND PLANTS AND ITS BEARING ON GENESIS OF AURIFERROUS QUARTZ VEINS IN SINGHBHUM DISTRICT, BIHAR, EASTERN INDIA

By: DAS, NR; CHAKRABORTY, PS; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 36 Issue: 2 Pages: 419-425 Published: 1977

192.QUANTUM CHEMICAL CALCULATIONS ON A DOPAMINE DERIVATIVE

By: GUHA, S

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 54 Issue: 5 Pages: 551-552 Published: 1977

193.NMR OF DIMORPHIC LANTHANUM ORTHOVANADATE

By: BOSE, M; GANGULI, S

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 42 Issue: 5 Pages: 1781-1782 Published:

1977

194.MODEL OF LINEAR IC AND ITS NETWORK APPLICATIONS

By: MITRA, TK; RAY, R

MATRIX AND TENSOR QUARTERLY Volume: 28 Issue: 2 Pages: 44-57 Published: 1977

195.APPLICATIONS OF A NON-PERTURBATIVE MANY-BODY FORMALISM TO GENERAL OPEN-SHELL ATOMIC AND MOLECULAR PROBLEMS - CALCULATION OF GROUND AND LOWEST PI-PISTAR SINGLET AND TRIPLET ENERGIES AND 1ST IONIZATION-POTENTIAL OF TRANS-BUTADIENE

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

MOLECULAR PHYSICS Volume: 33 Issue: 4 Pages: 955-969 Published: 1977

196.EFFECT OF SOURCE PREPARATION TECHNIQUE ON DIFFERENTIAL ANGULAR-CORRELATION OF 133-482 KEV CASCADE IN TA-181

By: SINHA, BK; BHATTACHARYYA, R

NUCLEAR INSTRUMENTS & METHODS Volume: 143 Issue: 3 Pages: 583-588 Published: 1977

197.OVERLAP FUNCTION AND REGGE CUT IN A SELF-CONSISTENT MULTI-REGGE MODEL

By: BANERJEE, H; BASU, U; MALLIK, S

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 38

Issue: 4 Pages: 455-470 Published: 1977

198.TRANSITIONS IN SB-123

By: TIKKU, VK; SINGH, H; MUKHERJEE, SK

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 41

Issue: 1 Pages: 14-20 Published: 1977

199.POLAR MODES WITH ELASTIC RESTORING FORCES, BOSE CONDENSATION AND POSSIBILITY OF A METASTABLE FERROELECTRIC STATE

By: BHAUMIK, D; BHAUMIK, K; DUTTARROY, B; et al.

PHYSICS LETTERS A Volume: 62 Issue: 3 Pages: 197-200 Published: 1977

200.ROLE OF EIKONAL APPROXIMATION IN INFRARED DOMAIN

By: BANERJEE, H; SHARMA, SK; MALLIK, S

PHYSICS LETTERS B Volume: 66 Issue: 3 Pages: 239-242 Published: 1977

201.DOUBLE CORE MODEL FOR FISSION

By: CHATTERJEE, ML

PHYSICS LETTERS B Volume: 66 Issue: 4 Pages: 319-322 Published: 1977

202.COHERENT STATE APPROACH TO VLASOV EQUATION

By: GHOSH, G; DUTTARROY, B; BHAUMIK, D

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 19 Issue: 11 Pages: 1051-1054 Published: 1977

203.ABINITIO DERIVATION OF PI-ELECTRON HAMILTONIAN BY A NON-PERTURBATIVE OPEN-SHELL FORMALISM

By: MUKHERJEE, D; MOITRA, RK; MUKHOPADHYAY, A

PRAMANA Volume: 9 Issue: 6 Pages: 545-572 Published: 1977

204.GAMMA-RADIOLYSIS OF AQUEOUS-SOLUTIONS OF ALPHA-COBALT(III) NITRILOTRIACETATE

By: BHATTACHARYYA, SN; SRISANKAR, EV

RADIATION RESEARCH Volume: 71 Issue: 2 Pages: 325-337 Published: 1977

205.DETERMINATION OF ELECTRON-ENERGY DISTRIBUTION IN A PLASMA

By: CHAKRAVARTI, PK; SENGUPTA, SN

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 48 Issue: 10 Pages: 1344-1349 Published: 1977

206.FISHER RENORMALIZATION IN A COMPRESSIBLE SPHERICAL MODEL

By: CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 21 Issue: 8 Pages: 841-843 Published: 1977

207.CRITICAL BEHAVIOR OF A COMPRESSIBLE ISING-MODEL

By: CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 23 Issue: 9 Pages: 683-685 Published: 1977

208.THYMINELESS DEATH IN ESCHERICHIA-COLI

By: SAMANTA, HK; BHATTACHARJEE, SB

ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: 32 Issue: 9-10 Pages: 835-838 Published: 1977

209.INVESTIGATION OF LEVELS IN NI-59 FOLLOWING BETA+-DECAY OF CU-59

By: SEN, P; SEN, C; BASU, D

ZEITSCHRIFT FÜR PHYSIK A-HADRONS AND NUCLEI Volume: 280 Issue: 2 Pages: 211-216

Published: 1977

210. CRYSTAL-STRUCTURE OF A SYMPATHOMIMETIC AMINE PARA-HYDROXYEPHEDRINE  
HYDROCHLORIDE

By: DATTAGUPTA, JK; SAHA, NN

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 34 Supplement: S Pages: S79-S79 Published: 1978

211. CRYSTAL-STRUCTURE OF COPPER IMINO DIACETATE DIHYDRATE

By: PODDAR, A; DATTAGUPTA, JK; SAHA, NN

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 34 Supplement: S Pages: S140-S140 Published:  
1978

212. PRECONCENTRATION OF GOLD AND TUNGSTEN FROM GEOLOGICAL SAMPLES FOR NEUTRON-  
ACTIVATION ANALYSIS

By: DAS, NR; BHATTACHARYYA, SN

ANALYTICA CHIMICA ACTA Volume: 102 Issue: DEC Pages: 221-224 Published: 1978

213. EIKONAL APPROXIMATION TO LOW-ANGLE LIGHT-SCATTERING

By: SHARMA, SK; DEBI, S

BIOPHYSICAL JOURNAL Volume: 21 Issue: 3 Pages: 287-288 Published: 1978

214. MODEL AND KINETICS OF PHOTO-ENHANCED ENZYME-REACTIONS

By: BHAUMIK, D; BHAUMIK, K; DUTTARROY, B; et al.

BULLETIN OF MATHEMATICAL BIOLOGY Volume: 40 Issue: 6 Pages: 719-726 Published: 1978

215. PREPARATION AND STUDY OF TISSUE SPECIFIC LIPOSOMES

By: MAJUMDER, S; BASU, SR; SAHA, NN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 15 Issue: 2 Pages: 82-82 Published:  
1978

216. PHASE-TRANSITIONS IN MIXED-CRYSTALS (CO,M)SIF<sub>6</sub>·6H<sub>2</sub>O (M=Mg, Mn OR Zn) AT LOW-  
TEMPERATURES

By: DATTA, SK; DE, D

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART A Volume: 52 Issue: 5 Pages: 499-502 Published: 1978

217. CURRENT TRENDS IN ATOMIC COLLISION EXPERIMENTS

By: KARMOHAPATRO, SB

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART B Volume: 52 Issue: 4 Pages: 237-256 Published: 1978

218. SIMPLE PULSE SHAPER FOR FAST COINCIDENCE WITH GE (LI) DETECTORS

By: SINHA, BK; SEN, S; BHATTACHARYYA, R

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 16 Issue: 1 Pages: 45-46 Published: 1978

219.SEPARATION OF CARRIER- NB-97 FROM ZR-97 USING AN ALUMINA COLUMN AS AN ION-EXCHANGER

By: BHATTACHARYYA, DK; BASU, S

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 29 Issue: 4-5 Pages: 273-275 Published: 1978

220.EFFECT OF UV-RADIATION ON LIPOSOMAL MEMBRANE

By: MANDAL, TK; GHOSE, S; SUR, P; et al.

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 33 Issue: 1 Pages: 75-79 Published: 1978

221.PROPROPAGATION ALONG A DIELECTRIC-ROD WAVEGUIDE EMBEDDED IN A MAGNETOPLASMA

By: BASU, J; DAS, SK

JOURNAL OF APPLIED PHYSICS Volume: 49 Issue: 2 Pages: 925-928 Published: 1978

222.PSEUDOPOTENTIAL OF GOLD FITTED TO ELASTIC DATA

By: BARUA, BP; SINHA, SK

JOURNAL OF APPLIED PHYSICS Volume: 49 Issue: 7 Pages: 3967-3969 Published: 1978

223.LOW-FREQUENCY INSTABILITIES IN THE HIGH-PRESSURE REGIME OF PENNING DISCHARGES

By: GUHARAY, SK; SENGUPTA, SN; GUPTA, MR

JOURNAL OF APPLIED PHYSICS Volume: 49 Issue: 12 Pages: 5809-5815 Published: 1978

224.NEAR IR-SPECTRA OF SOME HEXAHYDRATED 3D METAL FLUORO-SILICATES

By: DE, D; DATTA, SK

JOURNAL OF CHEMICAL PHYSICS Volume: 68 Issue: 4 Pages: 1865-1870 Published: 1978

225.GAMMA-RAY-INDUCED REDUCTION OF TRANS-POTASSIUM BIS(IMINODIACETATO) COBALTATE(III) IN NEUTRAL AQUEOUS-SOLUTION

By: BHATTACHARYYA, SN; SAHA, NC

JOURNAL OF CHEMICAL RESEARCH-S Issue: 2 Pages: 70-71 Published: 1978

226.CRYSTAL AND MOLECULAR-STRUCTURE OF A SILVER COMPLEX OF ORTHO-AMINOBENZENESULFONYL GLYCINE

By: RAY, PN; SAHA, NN

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 8 Issue: 2 Pages: 67-79 Published: 1978

227.CRYSTAL AND MOLECULAR-STRUCTURE OF SARCOSINE HYDROCHLORIDE

By: BHATTACHARYYA, SC; SAHA, NN

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 8 Issue: 3 Pages: 105-113 Published: 1978



228. CRYSTAL AND MOLECULAR-STRUCTURE OF DISARCOSINE HYDROBROMIDE

By: BHATTACHARYYA, SC; SAHA, NN

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 8 Issue: 5 Pages: 209-215 Published: 1978

229. COUPLED HARTREE-FOCK CALCULATION OF DYNAMIC POLARIZABILITIES OF BERYLLIUM SEQUENCE

By: MUKHERJEE, PK; MOITRA, RK

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 11 Issue: 16 Pages: 2813-2820 Published: 1978

230. COMPARISON OF APPROXIMATION METHODS FOR BACKWARD POTENTIAL SCATTERING

By: SHARMA, SK; DEBI, S

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 11 Issue: 24 Pages: 4187-4191 Published: 1978

231. STUDIES ON THERMAL-EXPANSION OF A SIMPLE DISPLACIVE-TYPE FERROELECTRIC AND EFFECT OF PRESSURE ON ITS TRANSITION-TEMPERATURE

By: DAS, AN; GHOSH, B

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 11 Issue: 12 Pages: 2483-2491 Published: 1978

232. POLAR MODE SOFTENING AND ELASTIC ANOMALY TEMPERATURES OF PARTIALLY DEUTERATED KDP

By: ROY, GK; CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 11 Issue: 23 Pages: 4643-4649 Published: 1978

233. ANOMALOUS THERMAL-EXPANSION OF  $\text{COSIF}_6 \cdot 6\text{H}_2\text{O}$  (CFSH) NEAR ITS TRANSITION-TEMPERATURE

By: GHOSH, B; CHATTERJEE, N; DAS, AN; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 11 Issue: 7 Pages: L243-L246 Published: 1978

234. HIGH-ENERGY PHASE-SHIFTS AND OFF-SHELL REACTION MATRICES FROM LOCAL AND NONLOCAL NUCLEON-NUCLEON POTENTIAL MODELS

By: SAMANTA, BC; MAHALANABIS, J; DEY, J

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 4 Issue: 4 Pages: 523-529 Published: 1978

235. SEPARATION OF CARRIER- BI-210 AND UX1 FROM PB-210 AND U, RESPECTIVELY, USING SILICA-GEL AS ION-EXCHANGER

By: BHATTACHARYYA, DK; BASU, S

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 44 Issue: 1 Pages: 5-11 Published: 1978

236. USE OF ZIRCONIUM-PHOSPHATE AS ION-EXCHANGER IN SOME PARENT-DAUGHTER RADIOISOTOPE SEPARATIONS  
By: BHATTACHARYYA, DK; BASU, S  
JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 47 Issue: 1-2 Pages: 105-114 Published: 1978
237. GAMMA-RADIOLYSIS OF COPPER (II) NITRILOTRIACETATE IN AQUEOUS-SOLUTION  
By: BHATTACHARYYA, SN; SRISANKAR, EV  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 74 Pages: 622-635 Part: 3 Published: 1978
238. ULTRAVIOLET-INDUCED REVERSION TO PROTOTROPHY IN HISTIDINE-REQUIRING ESCHERICHIA-COLI B-R  
By: BHATTACHARJEE, SB; BHAUMIK, G  
MUTATION RESEARCH Volume: 52 Issue: 2 Pages: 285-289 Published: 1978
239. HIGH-SPIN SHELL-MODEL STATES IN Pb-209  
By: MUKHERJEE, P; MUKHERJEE, I; MAJUMDAR, R  
NUCLEAR PHYSICS A Volume: 294 Issue: 1-2 Pages: 73-80 Published: 1978
240. LOW-ENERGY AND HIGH-ENERGY COLLECTIVE STATES OF DEFORMED-NUCLEI  
By: ZAWISCHA, D; SPETH, J; PAL, D  
NUCLEAR PHYSICS A Volume: 311 Issue: 3 Pages: 445-476 Published: 1978
241. STRUCTURE CALCULATIONS OF O-18 - COLLECTIVE HAMILTONIAN APPROACH  
By: RUDRA, N  
NUCLEAR PHYSICS A Volume: 312 Issue: 1-2 Pages: 33-42 Published: 1978
242. COUPLING OF MARTENSITIC-TRANSFORMATION WITH SUPERCONDUCTING TRANSITION  
By: CHAKRABARTI, BK; BARUA, BP; SINHA, SK  
PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 86 Issue: 1 Pages: K55-K58 Published: 1978
243. COUPLED HARTREE-FOCK CALCULATION OF STATIC QUADRUPOLE POLARIZABILITIES AND SHIELDING FACTORS OF 3P OPEN-SHELL IONS  
By: MUKHERJEE, PK; ROY, HP; GUPTA, A  
PHYSICAL REVIEW A Volume: 17 Issue: 1 Pages: 30-33 Published: 1978
244. GENERALIZED CLUSTER-BETHE-LATTICE APPROACH TO BINARY-ALLOYS WITH DIAGONAL AND OFF-DIAGONAL DISORDER AND SHORT-RANGE ORDER  
By: CHAUDHURI, P; MOITRA, RK  
PHYSICAL REVIEW B Volume: 18 Issue: 12 Pages: 6694-6701 Published: 1978
245. DEFORMED  $1h_{11/2}$  NEUTRON-HOLE STATES IN  $^{147}\text{Sm}$   
By: MUKHERJEE, P; MUKHERJEE, I  
PHYSICAL REVIEW C Volume: 18 Issue: 1 Pages: 593-594 Published: 1978

246. QUASIPARTICLE-PHONON COUPLING MODEL CALCULATIONS FOR ODD-ALPHA NB ISOTOPES

By: KRISHAN, K; SEN, S

PHYSICAL REVIEW C Volume: 18 Issue: 2 Pages: 1026-1031 Published: 1978

247. QUASIPARTICLE-PHONON COUPLING MODEL FOR ODD-A RU ISOTOPES

By: BHATTACHARYA, S; BASU, SK

PHYSICAL REVIEW C Volume: 18 Issue: 6 Pages: 2765-2772 Published: 1978

248. CRITICAL BEHAVIOR OF A COMPRESSIBLE RANDOM ISING-MODEL

By: CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 67 Issue: 3 Pages: 203-204 Published: 1978

249. VANDERWAALS INTERACTION BETWEEN LOOSE STRUCTURES

By: BHAUMIK, D; DUTTARROY, B; LAHIRI, A

PHYSICS LETTERS A Volume: 68 Issue: 1 Pages: 131-134 Published: 1978

250. EFFECT OF INTERVENING MEDIUM AND OF FEEDING OF ENERGY INTO POLAR MODES ON MACRO-MOLECULAR INTERACTIONS

By: BHAUMIK, D; DUTTARROY, B; LAHIRI, A

PHYSICS LETTERS A Volume: 69 Issue: 1 Pages: 68-72 Published: 1978

251. EXACT SOLUTION OF DAMPED NON-LINEAR SCHRODINGER EQUATION FOR A PARABOLIC DENSITY PROFILE

By: GUPTA, MR; SOM, BK; DASGUPTA, B

PHYSICS LETTERS A Volume: 69 Issue: 3 Pages: 172-174 Published: 1978

252.

UNIQUENESS OF THE LIPPMANN-SCHWINGER EQUATION

By: MUKHERJEE, S

PHYSICS LETTERS B Volume: 80 Issue: 1-2 Pages: 73-74 Published: 1978

253. ELECTRON NEUTRAL COLLISION FREQUENCY FROM BREAKDOWN MEASUREMENTS IN CROSSED ELECTRIC AND MAGNETIC-FIELDS

By: SENGUPTA, D; GUHARAY, SK; GHOSHROY, DN; et al.

PRAMANA Volume: 11 Issue: 5 Pages: 661-671 Published: 1978

254. RADIATION RESPONSE OF THYMINE-STARVED BACTERIA

By: BHATTACHARJEE, SB; SAMANTA, HK

RADIATION RESEARCH Volume: 74 Issue: 1 Pages: 144-151 Published: 1978

255. SIMPLE ANALOG CORRELATOR

By: GUHARAY, SK; SAHA, SK; SENGUPTA, SN; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 49 Issue: 3 Pages: 385-391 Published: 1978

256.ELECTRONIC DENSITY OF STATES OF A BINARY ALLOY IN A BETHE LATTICE USING WEAIRE-THORPE HAMILTONIAN

By: CHAUDHURI, P; MOITRA, RK

SOLID STATE COMMUNICATIONS Volume: 26 Issue: 1 Pages: 35-38 Published: 1978

257.EFFECT OF SUPERCONDUCTIVITY ON CUBIC TO TETRAGONAL STRUCTURAL TRANSITION DUE TO A 2-FOLD DEGENERATE ELECTRONIC BAND

By: GHATAK, SK; KHANRA, BC; RAY, DK

SOLID STATE COMMUNICATIONS Volume: 27 Issue: 8 Pages: 767-770 Published: 1978

258.CO-59 NMR-STUDIES OF RARE-EARTH COBALTITES

By: BOSE, M; KOLLALI, S; RAO, CNR; et al.

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 33 Issue: 11 Pages: 1401-1403 Published: 1978

259.CLUSTER EXPANSION FORMALISM FOR DIRECT CALCULATION OF IONIZATION-POTENTIAL AND EXCITATION-ENERGY OF MANY-ELECTRON SYSTEMS USING H-F GROUND-STATE AS VACUUM

By: MUKHERJEE, D; MUKHOPADHYAY, A; MOITRA, RK

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 33 Issue: 12 Pages: 1549-1551 Published: 1978

260.CRYSTAL AND MOLECULAR-STRUCTURE OF COPPER IMINODIACETATE DIHYDRATE

By: PODDER, A; DATTAGUPTA, JK; SAHA, NN; et al.

ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 35 Issue: JAN Pages: 53-56 Published: 1979

261.CRYSTAL AND MOLECULAR-STRUCTURE OF A SYMPATHOMIMETIC AMINE, TYRAMINE HYDROCHLORIDE

By: PODDER, A; DATTAGUPTA, JK; SAHA, NN; et al.

ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS Volume: 35 Issue: MAR Pages: 649-652 Published: 1979

262.INFRARED AND HIGH-ENERGY FIXED ANGLE DOMAINS OF SCATTERING AND THE ROLE OF EIKONAL APPROXIMATION

By: BANERJEE, H; SHARMA, SK

ANNALS OF PHYSICS Volume: 117 Issue: 2 Pages: 447-470 Published: 1979

263.MECHANISM OF ACTION OF FURAZOLIDONE - INTER-STRAND CROSS-LINKING IN DNA AND LIQUID HOLDING RECOVERY OF VIBRIO-CHOLERAEE CELLS

By: CHATTERJEE, SN; GHOSH, S

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 16 Issue: 3 Pages: 125-130 Published: 1979

264.INVITRO INTERACTION OF FURAZOLIDONE WITH DNA .1. PHOTOINACTIVATION OF THE CHOLERA PHAGE-PL 163-10

By: CHATTERJEE, SN; CHANDA, PK  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 16 Issue: 5 Pages: 320-325 Published:  
1979

265.FRAGMENT EXCITATION AND PROMPT NEUTRON DISTRIBUTION IN FISSION

By: MAJUMDAR, H; CHATTERJEE, A  
INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART A Volume: 53 Issue: 4 Pages: 367-388 Published: 1979

266.ENERGY CONTRIBUTIONS TO THE 2ND-ORDER SHEAR ELASTIC-CONSTANTS OF DILUTE AU-NI  
ALLOYS

By: BARUA, BP; SINHA, SK  
INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART A Volume: 53 Issue: 6 Pages: 621-625 Published: 1979

267.STRUCTURE OF A SULFONAMIDE DRUG-SULFISOXAZOLE

By: CHATTERJEE, C; DATTA GUPTA, JK; SAHA, NN  
INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART A Volume: 53 Issue: 6 Pages: 648-651 Published: 1979

268.CRYSTAL-STRUCTURE OF PHENYLPROPANOLAMINE HYDROCHLORIDE

By: PODDER, A; DATTA GUPTA, JK; SAHA, NN  
INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION  
OF SCIENCE-PART A Volume: 53 Issue: 6 Pages: 652-654 Published: 1979

269.NEW MUTANT OF RANIKHET DISEASE (NEWCASTLE-DISEASE) VIRUS

By: DATTA, P; BHATTACHARJEE, SB  
INDIAN VETERINARY JOURNAL Volume: 56 Issue: 2 Pages: 156-158 Published: 1979

270.ANGULAR-DEPENDENCE OF SPUTTERING YIELD

By: GHOSE, D  
JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 18 Issue: 9 Pages: 1847-1848 Published: 1979

271.INVESTIGATION OF AN M=O MODE-INSTABILITY IN A COLD-CATHODE PENNING DISCHARGE

By: GUHARAY, SK; SENGUPTA, SN  
JOURNAL OF APPLIED PHYSICS Volume: 50 Issue: 8 Pages: 5522-5525 Published: 1979

272.LOW-ANGLE LIGHT-SCATTERING BY HOMOGENEOUS SPHERICAL CELLS - CORRECTIONS TO  
EIKONAL APPROXIMATION

By: DEBI, S; SHARMA, SK  
JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 69 Issue: 2 Pages: 362-363 Published:  
1979

273.CRYSTAL AND MOLECULAR-STRUCTURE OF CHLORAMPHENICOL

By: CHATTERJEE, C; DATTA GUPTA, JK; SAHA, NN; et al.

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 9 Issue: 6 Pages: 295-304 Published: 1979

274.CRYSTAL AND MOLECULAR-STRUCTURE OF DL-LYSINE HYDROCHLORIDE

By: BHADURI, D; SAHA, NN

JOURNAL OF CRYSTAL AND MOLECULAR STRUCTURE Volume: 9 Issue: 6 Pages: 311-316 Published: 1979

275.SEPARATION OF THE PARENT-DAUGHTER PAIR, CE-144-PR-144 BY REVERSED PHASE CHROMATOGRAPHY USING HIGH MOLECULAR-WEIGHT AMINE

By: BHATTACHARYYA, SN; SARKAR, S

JOURNAL OF INORGANIC & NUCLEAR CHEMISTRY Volume: 41 Issue: 5 Pages: 755-756 Published: 1979

276.C-13 NMR-STUDIES OF CAMPHENE IN THE PLASTIC CRYSTALLINE PHASE

By: CHATTERJEE, N

JOURNAL OF MAGNETIC RESONANCE Volume: 33 Issue: 2 Pages: 241-244 Published: 1979

277.CRYSTAL AND MOLECULAR-STRUCTURE OF (ETA-5-TRIMETHYLSILYL-CYCLOPENTADIENYL)-(ETA-4-TETRAPHENYLCYCLOBUTADIENE)COBALT

By: CALLIGARIS, M; VENKATASUBRAMANIAN, K

JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 175 Issue: 1 Pages: 95-104 Published: 1979

278.NON-PERTURBATIVE OPEN-SHELL THEORY FOR IONIZATION-POTENTIAL AND EXCITATION-ENERGIES USING HF GROUND-STATE AS THE VACUUM

By: MUKHOPADHYAY, A; MOITRA, RK; MUKHERJEE, D

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 12 Issue: 1 Pages: 1-18 Published: 1979

279.ANOMALOUS ELECTRICAL PROPERTY OF COSIF6.6H2O NEAR ITS TRANSITION-TEMPERATURE

By: GHOSH, B; CHATTERJEE, N; DAS, AN; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 12 Issue: 16 Pages: 3283-3287 Published: 1979

280.DEUTERON MAGNETIC-RESONANCE STUDY OF COSIF6.6D2O

By: BOSE, M; GHOSHRAY, A; BASU, A; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 12 Issue: 19 Pages: L771-L775 Published: 1979

281.MEAN LIFETIMES OF SR-85 LEVELS

By: BASU, SK; PATRO, AP; BRANT, S; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 5 Issue: 4 Pages: 585-594 Published: 1979

- 282.SEPARATION OF CARRIER- IN-115M FROM CD-115 AND I-132 FROM TE-132 OVER THE ZIRCONIUM-OXIDE COLUMN  
By: BHATTACHARYYA, DK; BASU, S  
JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 52 Issue: 2 Pages: 267-273 Published: 1979
- 283.SEPARATION OF BA-140-LA-140 BY REVERSED PHASE CHROMATOGRAPHY USING HIGH MOLECULAR-WEIGHT AMINE  
By: SARKAR, S; BHATTACHARYYA, SN  
JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 54 Issue: 1-2 Pages: 395-398 Published: 1979
- 284.RADIATION-CHEMISTRY OF COBALT(II) NITRILOTRIACETATE IN AQUEOUS-SOLUTIONS  
By: BHATTACHARYYA, SN; SRISANKAR, EV  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 75 Pages: 2089-2099 Part: 9 Published: 1979
- 285.REDUCTION OF THE BOUSSINESQ TYPE OF EQUATION TO MODIFIED HIROTA EQUATION  
By: SOM, BK; GUPTA, MR; DASGUPTA, B  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 47 Issue: 4 Pages: 1296-1298 Published: 1979
- 286.GENERALIZED PREY-PREDATOR MODEL  
By: DASGUPTA, B  
JOURNAL OF THEORETICAL BIOLOGY Volume: 79 Issue: 2 Pages: 243-246 Published: 1979
- 287.EXCITATION DEPENDENCE OF THE SINGLE-PARTICLE LEVEL DENSITY  
By: MAJUMDAR, H; CHATTERJEE, A  
LETTERE AL NUOVO CIMENTO Volume: 26 Issue: 16 Pages: 519-524 Published: 1979
- 288.DECAY OF THE 83-MIN GROUND-STATE OF GE-75  
By: BHATTACHARYYA, P; CHATTOPADHYAY, RK; SETHI, B; et al.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 51 Issue: 3 Pages: 419-430 Published: 1979
- 289.INVESTIGATION OF DOMAINS OF VALIDITY OF APPROXIMATION METHODS IN LIGHT-SCATTERING FROM SPHERICAL OBSTACLES  
By: DEBI, S; SHARMA, SK  
OPTICA ACTA Volume: 26 Issue: 3 Pages: 297-300 Published: 1979
- 290.CRITICAL-TEMPERATURE OF A COMPRESSIBLE ISING MAGNET  
By: CHAKRABARTI, BK; BARUA, BP; SINHA, SK  
PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 94 Issue: 2 Pages: 621-625 Published: 1979
- 291.MODE DAMPING BY ELECTROSTRICTIVE INTERACTION IN A UNIAXIAL FERROELECTRIC  
By: ROY, GK; DAS, AN

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 96 Issue: 2 Pages: 727-734 Published: 1979

292.P-31 NMR-STUDIES OF TRANSFERRED HYPERFINE EFFECTS IN RARE-EARTH ORTHO-PHOSPHATES

By: BOSE, M; BHATTACHARYA, M; GANGULI, S

PHYSICAL REVIEW B Volume: 19 Issue: 1 Pages: 72-80 Published: 1979

293.V-51 NMR-STUDIES OF TRANSFERRED HYPERFINE EFFECTS IN THE RARE-EARTH VANADATES

By: BOSE, M; GANGULI, S; BHATTACHARYA, M

PHYSICAL REVIEW B Volume: 19 Issue: 11 Pages: 5535-5548 Published: 1979

294.EFFECT OF CORE VIBRATION ON THE NEUTRON-HOLE STATES OF PB-207

By: MUKHERJEE, P; MAJUMDAR, R; MUKHERJEE, I

PHYSICAL REVIEW C Volume: 19 Issue: 2 Pages: 562-564 Published: 1979

295.K-ELECTRON CAPTURE PROBABILITY IN THE DECAY OF AG-108(M)(127YR)

By: DASMAHAPATRA, BK; MUKHERJEE, P; ROY, AK; et al.

PHYSICAL REVIEW C Volume: 19 Issue: 4 Pages: 1564-1567 Published: 1979

296.1H11-2 STATES IN ZR-93,ZR-95

By: BHATTACHARYA, S; KRISHAN, K

PHYSICAL REVIEW C Volume: 20 Issue: 1 Pages: 400-402 Published: 1979

297.ELASTIC ANOMALIES IN COMPRESSIBLE ISING MODELS

By: CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 70 Issue: 2 Pages: 119-121 Published: 1979

298.DESCRPTION OF THE ION-ACOUSTIC SOLITON BY A BOUSSINESQ TYPE EQUATION

By: GUPTA, MR; SOM, BK; DASGUPTA, B

PHYSICS LETTERS A Volume: 70 Issue: 3 Pages: 211-214 Published: 1979

299.COUPLED NON-LINEAR SCHRODINGER EQUATION FOR LANGMUIR AND DISPERSIVE ION-ACOUSTIC WAVES

By: SOM, BK; GUPTA, MR; DASGUPTA, B

PHYSICS LETTERS A Volume: 72 Issue: 2 Pages: 111-114 Published: 1979

300.CRITICAL ULTRASONIC-ATTENUATION IN A DISORDERED BINARY ALLOY

By: CHAKRABARTI, BK; ROY, GK

PHYSICS LETTERS A Volume: 73 Issue: 3 Pages: 206-209 Published: 1979

301.INSTABILITY IN ONE-DIMENSIONAL SYSTEMS

By: BARUA, BP; SINHA, SK

PHYSICS LETTERS A Volume: 73 Issue: 4 Pages: 359-360 Published: 1979

302.ACOUSTIC ATTENUATION NEAR THE TRANSITION POINT OF A UNIAXIAL FERROELECTRIC

By: ROY, GK; GHOSH, BG; DAS, AN



PHYSICS LETTERS A Volume: 74 Issue: 1-2 Pages: 132-134 Published: 1979

303.GAMMA-RADIOLYSIS OF CU(II) IMINODIACETATES IN AQUEOUS-SOLUTION

By: BHATTACHARYYA, SN; SAHA, NC

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 42 Issue: 3-4 Pages: 191-200 Published: 1979

304.CENTRIFUGAL-DISTORTION AND UREY-BRADLEY FORCE-FIELD OF CHLOROFLUOROMETHANE

By: JAMAN, AI; NANDI, RN

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 34 Issue: 8 Pages: 954-956 Published: 1979

305.THE WEIGHTING COEFFICIENTS IN HBT METHOD AND DEBYE TEMPERATURES OF TETRAHEDRALLY BONDED SEMICONDUCTORS

By: BASU, D; VERMA, JKD

ACTA PHYSICA POLONICA A Volume: 58 Issue: 5 Pages: 591-596 Published: 1980

306.APPROXIMATE CALCULATION OF THE BULK AND SHEAR MODULI AND DEBYE TEMPERATURES OF ORTHORHOMBIC CRYSTALS

By: VERMA, JKD; BASU, D; AGGARWAL, MD

ACTA PHYSICA SLOVACA Volume: 30 Issue: 3 Pages: 209-217 Published: 1980

307.ELECTRIC-FIELD EFFECT ON POSITRONIUM FORMATION AND DECAY IN SOME POLYMERS AND FUSED QUARTZ

By: RAO, MR; PATRO, AP; SEN, P

APPLIED PHYSICS Volume: 22 Issue: 3 Pages: 317-321 Published: 1980

308.CO-59 NMR-STUDIES OF THE SPIN-STATE EQUILIBRIA IN RARE-EARTH COBALTITES

By: BOSE, M; GHOSHRAJ, A; BASU, A; et al.

CHEMICAL PHYSICS LETTERS Volume: 74 Issue: 3 Pages: 413-416 Published: 1980

309.DEBYE TEMPERATURE AND GRUNEISEN CONSTANT OF SOME CUBIC-CRYSTALS WITH PEROVSKITE STRUCTURE

By: BASU, D; VERMA, JKD

CURRENT SCIENCE Volume: 49 Issue: 4 Pages: 141-142 Published: 1980

310.MAGNETIC INTERACTION OF DISTRIBUTED NON-CLASSICAL DIPOLES

By: MUKHERJI, A; RUDRA, P

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART A Volume: 54 Issue: 1-2 Pages: 5-10 Published: 1980

311.ON THE DEBYE CHARACTERISTIC TEMPERATURES OF SOME CRYSTALS WITH NAACL-TYPE STRUCTURE

By: BASU, D; VERMA, JKD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 18 Issue: 3 Pages: 204-205 Published: 1980

312.USE OF ASCORBIC-ACID AS AN ELUENT FOR CATION-EXCHANGE SEPARATION OF RARE-EARTH TRACERS

By: DAS, NR; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 31 Issue: 9 Pages: 575-576 Published: 1980

313.SEPARATION OF TANTALUM FROM NIOBIUM USING ACETYL ACETONE AS AN EXTRACTANT

By: DAS, NR; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 31 Issue: 10 Pages: 652-654 Published: 1980

314.ADHESION OF METASTATIC AND NON-METASTATIC CARCINOMA-CELLS TO GLASS SURFACES

By: COTTLERFOX, M; RYD, W; HAGMAR, B; et al.

INTERNATIONAL JOURNAL OF CANCER Volume: 26 Issue: 5 Pages: 689-694 Published: 1980

315.THE POLYMYXIN SENSITIVITY AND THE PHOSPHATIDYL ETHANOLAMINE CONTENT OF THE VIBRIO-CHOLERAE MEMBRANES

By: MANDAL, TK; CHATTERJEE, SN

JOURNAL OF ANTIBIOTICS Volume: 33 Issue: 3 Pages: 328-333 Published: 1980

316.CYCLOTRON WAVES IN A BOUNDED MAGNETOPLASMA

By: DAS, SK; BASU, J

JOURNAL OF APPLIED PHYSICS Volume: 51 Issue: 1 Pages: 257-261 Published: 1980

317.RF STUDY OF THE CATHODE SHEATH IN A PENNING DISCHARGE

By: GUHARAY, K; BASU, J

JOURNAL OF APPLIED PHYSICS Volume: 51 Issue: 8 Pages: 4102-4105 Published: 1980

318.CUTOFF FREQUENCIES OF INTERMEDIATE-FREQUENCY WAVES IN A BOUNDED MAGNETOPLASMA

By: BASU, J; DAS, SK

JOURNAL OF APPLIED PHYSICS Volume: 51 Issue: 12 Pages: 6134-6140 Published: 1980

319.SERIES EXPANSION METHOD OF CALCULATING DEBYE TEMPERATURES OF TETRAGONAL CRYSTALS WITH TII LAUE SYMMETRY

By: BASU, D; VERMA, JKD

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 41 Issue: 7 Pages: 809-810 Published: 1980

320.B-11 NMR-STUDY OF INTERMEDIATE VALENT SMB6

By: BOSE, M; ROY, K; BASU, A

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 13 Issue: 20 Pages: 3951-3959 Published: 1980

321.SOLUTION GROWN MERCURIC IODIDE-CRYSTALS AS LOW-ENERGY GAMMA-RAY CONDUCTION TYPE DETECTORS

By: RAO, MR; VERMA, JKD; PATRO, AP

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 13 Issue: 8 Pages: 1545-& Published: 1980

322.ION-EXCHANGE SEPARATION OF DIFFERENT OXIDATION-STATES OF SULFUR FORMED BY CL-35(N,P)S-35 REACTION IN ALKALI-HALIDES

By: DAS, NR; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 57 Issue: 1 Pages: 61-67 Published: 1980

323.SENSITIZING EFFECT OF NITROUS-OXIDE IN THE RADIOLYSIS OF NICKEL(II) IMINODIACETATE IN AQUEOUS-SOLUTION

By: BHATTACHARYYA, SN; SAHA, NC

JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS Issue: 4 Pages: 129-130  
Published: 1980

324.PULSE AND GAMMA-RADIOLYSIS OF NICKEL(II) NITRILOTRIACETATE IN AQUEOUS-SOLUTIONS

By: SRISANKAR, EV; BHATTACHARYYA, SN

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 4 Pages: 675-680 Published: 1980

325.PHONON MODES IN A DISORDERED LATTICE

By: CHAKRABARTI, BK; ROY, GK; SINHA, SK

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 99 Issue: 1 Pages: 297-303 Published: 1980

326.ENVIRONMENT EFFECTS ON ELECTRONIC DENSITY OF STATES IN NARROW-BAND ALLOYS USING THE CLUSTER-BETHE-LATTICE METHOD

By: MAITI, PB; MOITRA, RK

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 101 Issue: 2 Pages: 603-612 Published: 1980

327.COHERENT-STATE APPROACH TO THE VLASOV THEORY OF A MAGNETIZED PLASMA

By: NAG, T; GHOSH, G; DASGUPTA, B

PHYSICAL REVIEW A Volume: 21 Issue: 3 Pages: 1025-1028 Published: 1980

328.MAGNETIZATION OF A 4-SUBLATTICE ANTI-FERROMAGNET

By: CHAKRAVARTY, AS; BASU, S

PHYSICAL REVIEW B Volume: 22 Issue: 11 Pages: 5382-5393 Published: 1980

329.REVISED SHELL STRUCTURE OF PB-208 AND ITS EFFECT ON THE MAGICITY OF THE SUPERHEAVY NUCLEI

By: MUKHERJEE, P; KRISHAN, K; BANERJEE, G

PHYSICAL REVIEW LETTERS Volume: 44 Issue: 21 Pages: 1391-1394 Published: 1980

330. TRANSVERSE-MOMENTUM CUTOFFS HYPOTHESIS IN HIGH-ENERGY SCATTERING IN PERTURBATION-THEORY  
By: BANERJEE, H; SENGUPTA, M  
PHYSICS LETTERS B Volume: 93 Issue: 3 Pages: 277-280 Published: 1980
331. DISTRIBUTION FUNCTION OF AN INHOMOGENEOUS-PLASMA IN THE PRESENCE OF AN OSCILLATING MAGNETIC-FIELD  
By: NAG, T; DASGUPTA, B  
PHYSICS OF FLUIDS Volume: 23 Issue: 3 Pages: 652-653 Published: 1980
332. COEFFICIENTS OF VISCOSITY OF A GASEOUS PLASMA  
By: ADHIKARI, D; MAJUMDAR, SK  
PRAMANA Volume: 14 Issue: 1 Pages: 35-40 Published: 1980
333. ULTRAVIOLET-INDUCED AND SUNLIGHT-INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE  
By: MANDAL, TK; CHATTERJEE, SN  
RADIATION RESEARCH Volume: 83 Issue: 2 Pages: 290-302 Published: 1980
334. DETERMINATION AND STORAGE OF SPACE POTENTIAL IN A FAST CHANGING PLASMA  
By: CHAKRAVARTI, PK; BASU, J  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 51 Issue: 7 Pages: 1005-1006 Published: 1980
335. DIRECT DISPLAY OF ELECTRON-TEMPERATURE OSCILLATION IN A PLASMA  
By: SENGUPTA, D; SAHA, SK; SENGUPTA, SN; et al.  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 51 Issue: 11 Pages: 1482-1484 Published: 1980
336. STRUCTURE OF P-HYDROXYEPHEDRINE HYDROCHLORIDE  
By: DATTAGUPTA, JK; PATTANAYEK, RR; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 37 Issue: JUL Pages: 1439-1441 Published: 1981
337. STRUCTURE OF 4-HOMOSULFANILAMIDE HYDROCHLORIDE  
By: CHATTERJEE, C; DATTAGUPTA, JK; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 37 Issue: OCT Pages: 1835-1838 Published: 1981
338. COULOMB-EXCITATION OF THE PALLADIUM ISOTOPES  
By: CHATTERJEE, MB  
ACTA PHYSICA POLONICA B Volume: 12 Issue: 8 Pages: 817-824 Published: 1981
339. ON THE DEBYE TEMPERATURES OF HEXAGONAL AND TETRAGONAL CRYSTALS  
By: BASU, D; VERMA, JKD  
ACTA PHYSICA SLOVACA Volume: 31 Issue: 4 Pages: 221-228 Published: 1981

340.POLYACRYLAMIDE-GEL ELECTROPHORESIS AND INFRARED-SPECTROSCOPY OF VIBRIO BIOTYPES  
By: MAITI, M; SUR, P; CHATTERJEE, SN  
CANADIAN JOURNAL OF MICROBIOLOGY Volume: 27 Issue: 10 Pages: 1048-1052 Published: 1981

341.CLUSTER MOLECULAR-ORBITAL STUDY OF THE CHEMISORPTION OF A WATER MOLECULE ON  
RUTHENIUM(001)  
By: KHANRA, BC  
CHEMICAL PHYSICS LETTERS Volume: 84 Issue: 1 Pages: 107-110 Published: 1981

342.RADIOMIMETIC PROPERTY OF FURAZOLIDONE AND THE CAFFEINE ENHANCEMENT OF ITS LETHAL  
ACTION ON THE VIBRIOS  
By: BANERJEE, SK; CHATTERJEE, SN  
CHEMICO-BIOLOGICAL INTERACTIONS Volume: 37 Issue: 3 Pages: 321-335 Published: 1981

343.ON THE MEAN ELASTIC WAVE VELOCITIES IN SOME ORTHORHOMBIC CRYSTALS  
By: BASU, D; VERMA, JKD  
CURRENT SCIENCE Volume: 50 Issue: 4 Pages: 172-173 Published: 1981

344.LIQUID HOLDING RECOVERY AND PHOTOREACTIVATION OF THE ULTRAVIOLET-INACTIVATED  
VIBRIOS  
By: BANERJEE, SK; CHATTERJEE, SN  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 18 Issue: 1 Pages: 60-62 Published:  
1981

345.MICRO-DETERMINATION OF HAFNIUM USING P-32 AS RADIOACTIVE INDICATOR  
By: PURKAYASTHA, BC; MAITY, HP  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL &  
ANALYTICAL CHEMISTRY Volume: 20 Issue: 6 Pages: 638-639 Published: 1981

346.A SIMPLE AUTOMATIC ANGULAR-CORRELATION SYSTEM  
By: SEN, S; BOSE, S; SINHA, BK; et al.  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 19 Issue: 4 Pages: 383-386 Published:  
1981

347.STRUCTURE AND FUNCTION OF BIOMOLECULES WITH PARTICULAR REFERENCE TO DRUG  
MOLECULES  
By: SAHA, NN  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 19 Issue: 9 Pages: 912-925 Published:  
1981

348.SEQUENTIAL SEPARATION OF HAFNIUM, ZIRCONIUM AND NIOBIUM FROM SULFURIC-ACID  
MEDIUM USING DI(2-ETHYLHEXYL) PHOSPHORIC-ACID AS AN EXTRACTANT  
By: DAS, NR; NANDI, B; BHATTACHARYYA, SN  
INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 32 Issue: 4 Pages: 205-  
209 Published: 1981

349.ON THE INTENSITY OF SECONDARY CU<sup>+</sup>, CU<sup>2+</sup>, AND MO<sup>+</sup> IONS AS A FUNCTION OF BOMBARDING ION ENERGY

By: CHAKRABORTY, P; DEY, SD

JOURNAL OF APPLIED PHYSICS Volume: 52 Issue: 11 Pages: 7002-7003 Published: 1981

350.THE LIPKIN MODEL AND COHERENT STATES

By: BHAUMIK, D; CHOUDHURY, A; DE, M; et al.

JOURNAL OF MATHEMATICAL PHYSICS Volume: 22 Issue: 3 Pages: 508-510 Published: 1981

351.MICROWAVE-SPECTRUM OF 3-FLUOROPHENOL

By: JAMAN, AI; NANDI, RN; GHOSH, DK

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 86 Issue: 2 Pages: 269-274 Published: 1981

352.HYDROGEN ABSTRACTION AND ONE-ELECTRON OXIDATION IN NICKEL(II)-IMINODIACETATE COMPLEXES

By: BHATTACHARYYA, SN; SAHA, NC; NETA, P

JOURNAL OF PHYSICAL CHEMISTRY Volume: 85 Issue: 3 Pages: 300-305 Published: 1981

353.VIBRATIONAL FINE-STRUCTURE IN THE OPTICAL-SPECTRA OF NIXF<sub>66</sub>R<sub>20</sub>(X=SI,TI - R=H,D) AT LOW-TEMPERATURES

By: DATTA, SK; DE, D

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 14 Issue: 32 Pages: L019-L023 Published: 1981

354.COUPLED NON-LINEAR SCHRODINGER-EQUATIONS FOR LANGMUIR AND ELECTROMAGNETIC-WAVES AND EXTENSION OF THEIR MODULATIONAL INSTABILITY DOMAIN

By: GUPTA, MR; SOM, BK; DASGUPTA, B

JOURNAL OF PLASMA PHYSICS Volume: 25 Issue: JUN Pages: 499-507 Published: 1981

355.TRACER SCALE SOLVENT-EXTRACTION SEPARATION OF TANTALUM FROM NIOBIUM USING DI-(2-ETHYLHEXYL)-PHOSPHORIC ACID AS EXTRACTANT

By: DAS, NR; NANDI, B; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 62 Issue: 1-2 Pages: 53-60 Published: 1981

356.USE OF ZIRCONIUM-PHOSPHATE COLUMN FOR THE SEPARATION OF K<sup>+</sup> AND RB<sup>+</sup> IONS AT VERY SMALL CONCENTRATIONS

By: BHATTACHARYYA, DK; DE, A

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 58 Issue: 11 Pages: 1094-1096 Published: 1981

357.ON THE NATURE AND STRUCTURE OF NIOBIC ACID AND ITS PYROLYTIC PRODUCTS - H-1-NMR, IR CONDUCTIVITY AND ION-EXCHANGE STUDIES

By: SEN, BK; SAHA, AV; CHATTERJEE, N

MATERIALS RESEARCH BULLETIN Volume: 16 Issue: 8 Pages: 923-932 Published: 1981

358.CORE POLARIZATION AND MAGNETIC-MOMENT OF SOME ODD-MASS NUCLEI AROUND  $N = 50$

By: NAG, J; PAL, MK

NUCLEAR PHYSICS A Volume: 371 Issue: 3 Pages: 393-404 Published: 1981

359.MAGNETIC-SUSCEPTIBILITIES OF ANTI-FERROMAGNETIC RE-4+ COMPOUNDS

By: CHATTERJEE, I; DESAI, VP

PHYSICAL REVIEW B Volume: 24 Issue: 9 Pages: 5133-5138 Published: 1981

360.GD-146(64)82, A DOUBLY MAGIC NUCLEUS

By: MUKHERJEE, P; BHATTACHARYA, R; MUKHERJEE, I

PHYSICAL REVIEW C Volume: 24 Issue: 4 Pages: 1810-1811 Published: 1981

361.THE HOMOGENEOUS AND INHOMOGENEOUS EQUATIONS OF SCATTERING

By: MUKHERJEE, S

PHYSICS LETTERS A Volume: 81 Issue: 4 Pages: 207-210 Published: 1981

362.SCATTERED WAVE AND LIPPMANN-SCHWINGER EQUATION

By: MUKHERJEE, S

PHYSICS LETTERS A Volume: 83 Issue: 1 Pages: 1-4 Published: 1981

363.ANNIHILATION OF  $E^+E^-$  INTO HADRONS IN A HYDRODYNAMIC MODEL

By: BANERJEE, H; BISWAS, A; DE, T

PHYSICS LETTERS B Volume: 100 Issue: 4 Pages: 342-346 Published: 1981

364.ANALYTICAL PROOF OF THE NON-UNIQUENESS OF THE ATDHF PATH

By: MUKHERJEE, AK; PAL, MK

PHYSICS LETTERS B Volume: 100 Issue: 6 Pages: 457-461 Published: 1981

365.NEW SOLUTIONS OF YANG-MILLS EQUATIONS WITH STATIC EXTERNAL SOURCES

By: RAYCHAUDHURI, A; SARKAR, U

PHYSICS LETTERS B Volume: 102 Issue: 6 Pages: 421-425 Published: 1981

366.PARAMETRIC-EXCITATION OF ELECTROSTATIC DRIFT WAVES BY A LOW-FREQUENCY OSCILLATING MAGNETIC-FIELD

By: NAG, T; DASGUPTA, B

PHYSICS OF FLUIDS Volume: 24 Issue: 5 Pages: 911-913 Published: 1981

367.LIPPMANN-SCHWINGER EQUATION

By: MUKHERJEE, S

PRAMANA Volume: 16 Issue: 1 Pages: 81-89 Published: 1981

368.CENTRIFUGAL-DISTORTION EFFECTS IN THE MICROWAVE-SPECTRUM OF ALLYL ALCOHOL

By: JAMAN, AI; GHOSH, DK

PRAMANA Volume: 17 Issue: 3 Pages: 245-248 Published: 1981

- 369.EXTENDED THOMAS-FERMI APPROACH TO P10 CONDENSATION IN NEUTRON MATTER  
By: GHOSH, T; BHATTACHARYYA, S; CHOUDHURI, A; et al.  
PROGRESS OF THEORETICAL PHYSICS Volume: 66 Issue: 4 Pages: 1511-1514 Published: 1981
- 370.VARIABLE FREQUENCY INVERTER - TRACTION MOTORS CONTROLLED USING A 12-PHASE THYRISTOR BRIDGE  
By: BANERJEE, BM; CHOWDHURY, S  
WIRELESS WORLD Volume: 87 Issue: 1545 Pages: 59-61 Published: 1981
- 371.REFINEMENT USING THE PSEUDOSYMMETRY OF SPATIAL GROUP-P1  
By: JARCHOW, O; SCHMALLE, H; VENKATASUBRAMANIAN, K  
ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 156 Issue: 1-2 Pages: 66-69 Published: 1981
- 372.N-1-(3,4-DIMETHYL-5-ISOXAZOLYL)SULFANILAMIDE (SULFISOXAZOLE)  
By: CHATTERJEE, C; DATTAGUPTA, JK; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 38 Issue: JUN Pages: 1845-1847 Published: 1982
- 373.N-(PARA-AMINO BENZOYL)-L-GLUTAMIC ACID HYDROCHLORIDE  
By: CHATTERJEE, C; DATTAGUPTA, JK; SAHA, NN  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 38 Issue: JUL Pages: 2086-2089 Published: 1982
- 374.STRUCTURE OF SYNEPHRINE MONOHYDROGENPHOSPHATE MONOHYDRATE  
By: DATTAGUPTA, JK; MEYER, EF; MUKHOPADHYAY, BP  
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE Volume: 38 Issue: NOV Pages: 2830-2834 Published: 1982
- 375.ON THE DEBYE TEMPERATURES OF SOME CUBIC SOLIDS  
By: BASU, D; VERMA, JKD  
ACTA PHYSICA POLONICA A Volume: 61 Issue: 1-2 Pages: 25-29 Published: 1982
- 376.ON THE VALIDITY OF KEYES CORRELATION BETWEEN ELASTIC-CONSTANTS OF DIFFERENT MATERIALS  
By: BASU, D; VERMA, JKD  
ACTA PHYSICA POLONICA A Volume: 61 Issue: 1-2 Pages: 31-38 Published: 1982
- 377.SOLITARY WAVES AND MACROMOLECULAR SYSTEMS  
By: BHAUMIK, D; DUTTARROY, B; LAHIRI, A  
BULLETIN OF MATHEMATICAL BIOLOGY Volume: 44 Issue: 5 Pages: 705-713 Published: 1982
- 378.MOLECULAR-ORBITAL STUDIES ON SEVERAL MOLECULES WHICH INTERACT WITH THE GAMMA-AMINO BUTYRIC ACID  
By: GUHA, S



COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS Volume: 47 Issue: 3 Pages: 730-735 Published: 1982

379.PARA-AMINOBENZENE SULFONACETAMIDE (SULFACETAMIDE) C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S

By: BASAK, AK; MAZUMDAR, SK; CHAUDHURI, S

CRYSTAL STRUCTURE COMMUNICATIONS Volume: 11 Issue: 4 Pages: 1609-1616 Published: 1982

380.INTERACTION OF SODIUM CHOLATE WITH MULTILAMELLAR LIPOSOMES AND THE PROPERTIES OF CHOLATE VESICLES

By: BANERJEE, S; CHATTERJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 19 Issue: 6 Pages: 373-381 Published: 1982

381.MOLECULAR-ORBITAL STUDY OF SEVERAL GAMMA-AMINOBUTYRIC ACID-UPTAKE INHIBITORS

By: GUHA, S; MAJUMDER, D

INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY  
Volume: 21 Issue: 9 Pages: 875-877 Published: 1982

382.DEBYE TEMPERATURE OF TRIGONAL-II LAUE SYMMETRY CRYSTALS

By: BASU, D; VERMA, JKD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 1 Pages: 49-50 Published: 1982

383.MICROWAVE CAVITIES IN CM AND MM RANGES FOR ELECTRON-PARAMAGNETIC-RES EXPERIMENTS

By: SANYAL, S; ROY, AK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 3 Pages: 236-237 Published: 1982

384.ANOMALOUS DIELECTRIC-PROPERTIES OF COSIF<sub>6</sub>.6H<sub>2</sub>O(CFSH) NEAR ITS TRANSITION-TEMPERATURE

By: CHOUDHURY, P; DAS, AN; CHATTERJEE, N; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 3 Pages: 241-243 Published: 1982

385.AN ACCURATE GAUGE FOR HF SPLITTING MEASUREMENT BY NMR GAUSSMETER

By: SANYAL, S; ROY, AK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 4 Pages: 294-296 Published: 1982

386.EFFECT OF FERMI-SURFACE ANISOTROPY ON CRITICAL GINZBURG-LANDAU PARAMETER

By: KHANRA, BC

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 6 Pages: 450-452 Published: 1982

387.AUTOMATIC STABILIZATION SYSTEM IN MAGNETIC-RESONANCE SPECTROSCOPY

By: SANYAL, S; ROY, AK; NANDI, PK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 20 Issue: 11 Pages: 917-919 Published: 1982

388.ION-EXCHANGE SEPARATION OF CARRIER- BA-140 AND LA-140 FROM THEIR EQUILIBRIUM MIXTURE USING NITRILOTRIACETIC ACID AND ASCORBIC-ACID AS ELUENTS

By: DAS, NR; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES Volume: 33 Issue: 3 Pages: 171-173 Published: 1982

389.CHANGES IN THE NEAR IR-SPECTRA OF COSIF<sub>6</sub>,6H<sub>2</sub>O AND COTIF<sub>6</sub>,6D<sub>2</sub>O DURING PHASE-TRANSITION

By: DATTA, SK

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Supplement: 16 Pages: 667-667 Published: 1982

390.MICROWAVE METHOD FOR DETERMINING THE ELECTRON-DENSITY IN A HIGH-DENSITY PLASMA

By: GHORAI, S; BASU, J; DAS, SK

JOURNAL OF APPLIED PHYSICS Volume: 53 Issue: 6 Pages: 4506-4508 Published: 1982

391.APPLICATION OF PROTON-INDUCED X-RAY-EMISSION TECHNIQUE TO GUNSHOT RESIDUE ANALYSES

By: SEN, P; PANIGRAHI, N; RAO, MS; et al.

JOURNAL OF FORENSIC SCIENCES Volume: 27 Issue: 2 Pages: 330-339 Published: 1982

392.MICROWAVE-SPECTRUM OF DEUTERATED TRANS-3-FLUOROPHENOL

By: JAMAN, AI; CHATTERJEE, N; GHOSH, DK

JOURNAL OF MOLECULAR STRUCTURE Volume: 82 Issue: 1-2 Pages: 17-21 Published: 1982

393.CRITICAL-BEHAVIOR OF COMPRESSIBLE DILUTE ISING SYSTEMS - A MONTE-CARLO STUDY

By: CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 15 Issue: 33 Pages: 1195-1199 Published: 1982

394.A MONTE-CARLO STUDY OF THE CRITICAL-BEHAVIOR OF COMPRESSIBLE ISING SYSTEMS

By: CHAKRABARTI, BK; BHATTACHARYYA, N; SINHA, SK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 15 Issue: 23 Pages: L777-L781 Published: 1982

395.INTERPRETATION OF THE REACTION PO-210(D,P)PO-211 IN TERMS OF THE CORE PARTICLE MODEL

By: MUKHERJEE, P; MAJUMDAR, R; BHATTACHARYYA, R; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 8 Issue: 8 Pages: 1085-1089 Published: 1982

396.RADIATION-INDUCED GRAFT-COPOLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE ONTO CELLULOSE-ACETATE .1. EFFECT OF SOLVENTS

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 20 Issue: 4 Pages: 939-950  
Published: 1982

397.SEPARATION OF TANTALUM FROM NIOBIUM IN ROCK PHOSPHATES AND ITS DETERMINATION THROUGH NEUTRON-ACTIVATION ANALYSIS

By: DAS, NR; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 68 Issue: 1-2 Pages: 75-81 Published: 1982

398.ATDHF THEORY WITH A CONSISTENCY CONDITION

By: MUKHERJEE, AK; PAL, MK

LECTURE NOTES IN PHYSICS Volume: 171 Pages: 358-365 Published: 1982

399.TETRACYCLINE-INDUCED MUTATION IN CULTURED CHINESE-HAMSTER CELLS

By: BHATTACHARJEE, SB; PAL, B

MUTATION RESEARCH Volume: 101 Issue: 4 Pages: 329-338 Published: 1982

400.SURVIVAL AND MUTATION OF CHINESE-HAMSTER CELLS AFTER ULTRAVIOLET-IRRADIATION AND CAFFEINE TREATMENT

By: BHATTACHARJEE, SB; CHATTERJEE, S; PAL, B

MUTATION RESEARCH Volume: 106 Issue: 1 Pages: 137-146 Published: 1982

401.COLLISION PHENOMENA IN A MASS-SPECTROMETER FOR ISOTOPE-SEPARATION

By: CHAKRABARTY, T; KUNDU, S; KARMOHAPATRO, SB

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Volume: 199 Issue: 3 Pages: 631-636  
Published: 1982

402.A TECHNIQUE FOR PRECISION MONITORING OF TARGET-STOPPER SEPARATION IN RECOIL-DISTANCE LIFETIME MEASUREMENTS

By: BANERJEE, P; SETHI, B; CHATTERJEE, JM; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Volume: 202 Issue: 3 Pages: 431-433  
Published: 1982

403.EVALUATION OF THE OPTIMAL PATH IN ATDHF THEORY

By: MUKHERJEE, AK; PAL, MK

NUCLEAR PHYSICS A Volume: 373 Issue: 2 Pages: 289-304 Published: 1982

404.INTERMEDIATE-COUPPLING SCHEME FOR MANY-ELECTRON SYSTEMS OF THE COMPLEXES OF THE TRANSITION-METAL IONS

By: BASU, S; CHAKRAVARTY, AS

PHYSICAL REVIEW B Volume: 26 Issue: 8 Pages: 4327-4355 Published: 1982

405.SPIN-STATE EQUILIBRIA IN THE LCOO<sub>3</sub> SYSTEM FROM CO-59 NMR

By: BOSE, M; GHOSHRAY, A; BASU, A; et al.

PHYSICAL REVIEW B Volume: 26 Issue: 9 Pages: 4871-4882 Published: 1982

406.ANOMALOUS M4 CONVERSION COEFFICIENT IN TE-125(52)M

By: MUKHERJEE, P; BHATTACHARYA, S; SARKAR, S; et al.

PHYSICAL REVIEW C Volume: 25 Issue: 4 Pages: 2120-2122 Published: 1982

407.POSITRON-ANNIHILATION STUDIES IN THE MIXED-CRYSTALS OF KCL-KBR

By: SENGUPTA, A; MAHAPATRA, S; SHAHNAWAZ; et al.

PHYSICS LETTERS A Volume: 89 Issue: 8 Pages: 427-428 Published: 1982

408.REAL SPACE RENORMALIZATION-GROUP STUDY OF THE STATISTICS OF SELF-AVOIDING WALKS ON A DILUTE LATTICE

By: ROY, AK; CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 91 Issue: 8 Pages: 393-395 Published: 1982

409.UNIQUENESS OF THE SOLUTION OF THE LIPPMANN-SCHWINGER EQUATION

By: MUKHERJEE, S

PRAMANA Volume: 18 Issue: 6 Pages: 495-500 Published: 1982

410.NON-LINEAR DISTRIBUTION-FUNCTIONS FOR THE VLASOV-POISSON SYSTEM

By: MAJUMDAR, SK

PRAMANA Volume: 19 Issue: 3 Pages: 269-277 Published: 1982

411.STRONG COUPLING EXPANSION IN THE MASSIVE THIRRING MODEL

By: BANERJEE, R

PRAMANA Volume: 19 Issue: 5 Pages: 513-524 Published: 1982

412.ON THE MELTING-POINTS OF SOME SEMICONDUCTORS

By: BASU, D; VERMA, JKD

REVUE ROUMAINE DE PHYSIQUE Volume: 27 Issue: 3 Pages: 313-315 Published: 1982

413.SEPARATION OF CARRIER- TC-99M FROM MO-99 AND PR-144 FROM CE-144 OVER A COLUMN OF ZIRCONIUM ARSENATE

By: BHATTACHARYA, DK; DE, A

SEPARATION SCIENCE AND TECHNOLOGY Volume: 17 Issue: 7 Pages: 925-933 Published: 1982

414.ON THE MECHANISM OF PHOTOSYNTHESIS

By: CHAKRAVARTY, AS

SPECULATIONS IN SCIENCE AND TECHNOLOGY Volume: 5 Issue: 1 Pages: 31-41 Published: 1982

415.PROMPT MASS DISTRIBUTIONS IN FISSION

By: MAJUMDAR, H; CHATTERJEE, A

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 305 Issue: 1 Pages: 45-51 Published: 1982

416.A HYDRODYNAMIC MODEL FOR HADRON-PRODUCTION IN E+E- ANNIHILATION

By: BANERJEE, H; BISWAS, A; DE, T

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 14 Issue: 2 Pages: 111-121 Published: 1982

417.P-HYDROXY-M-METHOXY-ALPHA-(METHYLAMINOMETHYL)BENZYL ALCOHOL HYDROCHLORIDE (DL-METANEPHRINE HYDROCHLORIDE), C<sub>10</sub>H<sub>16</sub>NO<sub>3</sub>+.C<sub>1</sub>-

By: PATTANAYEK, RR; DATTA GUPTA, JK; SAHA, NN

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 39 Issue: JAN Pages: 91-92 Published: 1983

418.STRUCTURE OF AN ADRENERGIC DRUG - L-PHENYLEPHRINE HYDROCHLORIDE, C<sub>9</sub>H<sub>14</sub>NO<sub>2</sub>+.C<sub>1</sub>-

By: BHADURI, D; SAHA, NN; DATTA GUPTA, JK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 39 Issue: MAR Pages: 350-353 Published: 1983

419.STRUCTURE OF SULFAMETHAZINE [4-AMINO-N-(4,6-DIMETHYL-2-PYRIMIDINYL)BENZENESULPHONAMIDE], C<sub>12</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S

By: BASAK, AK; MAZUMDAR, SK; CHAUDHURI, S

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 39 Issue: APR Pages: 492-494 Published: 1983

420.2-(1-NAPHTHYLMETHYL)-2-IMIDAZOLINE HYDROCHLORIDE (NAPHAZOLINE HYDROCHLORIDE), C<sub>14</sub>H<sub>15</sub>N<sub>2</sub>+.CL-, AN ALPHA-ADRENERGIC AGONIST

By: PODDER, A; MUKHOPADHYAY, BP; DATTA GUPTA, JK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 39 Issue: APR Pages: 495-497 Published: 1983

421.MEASUREMENT OF B(E<sub>2</sub>) UP VALUES OF THE 5/2<sup>+</sup>- STATES OF AG-107,AG-109 FROM THE COULOMB-EXCITATION WITH PROTONS

By: CHATTERJEE, MB; BALIGA, BB; BHATTACHARYA, R

ACTA PHYSICA SLOVACA Volume: 33 Issue: 2 Pages: 65-72 Published: 1983

422.ELECTRIC-FIELD DEPENDENCE OF PHASE-TRANSITIONS IN BILAYER LIPID-MEMBRANES AND POSSIBLE BIOLOGICAL IMPLICATIONS

By: BHAUMIK, D; DUTTARROY, B; CHAKI, TK; et al.

BULLETIN OF MATHEMATICAL BIOLOGY Volume: 45 Issue: 1 Pages: 91-101 Published: 1983

423.AN EXTENDED HUCKEL STUDY OF HYDROGEN AND OXYGEN-CHEMISORPTION ON RU(001) SURFACE

By: KHANRA, BC; SAHA, SK

CHEMICAL PHYSICS Volume: 76 Issue: 2 Pages: 255-258 Published: 1983

424.STUDIES ON THE DISSOCIATIVE CHEMISORPTION OF O-2 ON NI(100) SURFACE

By: KHANRA, BC; SAHA, SK

CHEMICAL PHYSICS LETTERS Volume: 95 Issue: 3 Pages: 217-220 Published: 1983

425.TIGHT-BINDING CLUSTER BETHE LATTICE MODEL STUDIES OF CHEMISORPTION

By: KHANRA, BC

CHEMICAL PHYSICS LETTERS Volume: 96 Issue: 1 Pages: 76-79 Published: 1983

426.DNA DAMAGE, PROPHAGE INDUCTION AND MUTATION BY FURAZOLIDONE

By: CHATTERJEE, SN; BANERJEE, SK; PAL, AK; et al.

CHEMICO-BIOLOGICAL INTERACTIONS Volume: 45 Issue: 3 Pages: 315-326 Published: 1983

427.A SIMPLE INEXPENSIVE CRYOSTAT FOR MEASUREMENT OF MOSSBAUER-SPECTRA FROM 77-K TO 300-K

By: DAS, S; BHATTACHARYA, M; BHATTACHARYA, R

CRYOGENICS Volume: 23 Issue: 9 Pages: 479-481 Published: 1983

428.EXCITATIONS OF THE STATES OF CD-107,CD-109 FROM THE (P, N-GAMMA) REACTION ON SILVER ISOTOPES

By: CHATTERJEE, MB; BALIGA, BB; BHATTACHARYA, R

CZECHOSLOVAK JOURNAL OF PHYSICS Volume: 33 Issue: 9 Pages: 990-1001 Published: 1983

429.DIFFERENCE BETWEEN TORTOISE AND HEN LYSOZYMES IN THE MODE OF ASSOCIATION WITH N-ACETYL D-GLUCOSAMINE AS REVEALED BY PROTON MAGNETIC-RESONANCE SPECTROSCOPY

By: CHATTERJEE, N; BANERJEE, KK; SEN, A

FEBS LETTERS Volume: 159 Issue: 1-2 Pages: 171-174 Published: 1983

430.APPLICATION OF PROTON-INDUCED X-RAY-EMISSION (PIXE) TECHNIQUE TO GUNSHOT RESIDUE ANALYSES AND OTHER CRIME RELATED PROBLEMS

By: SEN, P; MEHTA, GK

IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 30 Issue: 2 Pages: 1302-1304 Published: 1983

431.PHASE-SHIFTER FOR THE PHASE-DETECTION SCHEME OF MAGNETIC-RESONANCE

By: SANYAL, S; ROY, AK; NANDI, PK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 21 Issue: 3 Pages: 171-175 Published: 1983

432.PREAMPLIFIERS FOR CHARGED-PARTICLE DETECTORS IN HIGH-RESOLUTION SPECTROSCOPY

By: CHATTERJEE, MB; BHATTACHARYA, R

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 21 Issue: 4 Pages: 253-255 Published: 1983

433.THE INTERPLAY OF HYDROGEN-BONDING AND METAL - NUCLEIC-ACID INTERACTIONS

By: MUTHIAH, PT

INORGANICA CHIMICA ACTA-BIOINORGANIC CHEMISTRY Volume: 79 Issue: 1-6 Pages: 257-258  
Published: 1983

434.CLUSTER-ION EMISSION FROM AN ALUMINUM SURFACE UNDER CD+ ION-BOMBARDMENT  
By: CHAKRABORTY, P; DEY, SD  
INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES Volume: 50 Issue: 3  
Pages: 349-351 Published: 1983

435.EFFECT OF IRON(III) IONS ON THE RADIOSENSITIVITY OF URACIL  
By: BHATTACHARYYA, SN; MANDAL, PC  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 43 Issue: 2 Pages: 141-148 Published:  
1983

436.CONE FORMATION ON ARGON-BOMBARDED COPPER  
By: GHOSE, D; BASU, D; KARMOHAPATRO, SB  
JOURNAL OF APPLIED PHYSICS Volume: 54 Issue: 2 Pages: 1169-1171 Published: 1983

437.EXCITATION OF STRIATIONS IN THE POSITIVE-COLUMN OF A GLOW-DISCHARGE  
By: SENGUPTA, D; SENGUPTA, SN  
JOURNAL OF APPLIED PHYSICS Volume: 54 Issue: 9 Pages: 5451-5452 Published: 1983

438.METAL-IONS NUCLEOBASES INTERACTIONS - PREPARATION AND CRYSTAL-STRUCTURES OF  
TRICHLOROADENINIUM ZINC(II)(FORM II) AND A SIMILAR ZINC COMPLEX OF ARPRINOCID [6-AMINO-9-  
(2-CHLORO-6-FLUOROBENZYL)PURINE]  
By: MUTHIAH, PT; MAZUMDAR, SK; CHAUDHURI, S  
JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 19 Issue: 3 Pages: 237-246 Published: 1983

439.CRITICAL-BEHAVIOR OF DIRECTED SELF-AVOIDING WALKS  
By: CHAKRABARTI, BK; MANNA, SS  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 16 Issue: 4 Pages: L113-L116  
Published: 1983

440.STUDY OF PHASE-TRANSITIONS IN COTIF6.6D2O AND ZNTIF6.6D2O BY 2D NMR  
By: BOSE, M; ROY, K; GHOSHRAY, A  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 4 Pages: 645-650 Published: 1983

441.STUDY OF AN ISING-MODEL ON A SELF-AVOIDING-WALK LATTICE  
By: CHAKRABARTI, BK; BHATTACHARYA, S  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 29 Pages: 1025-1028 Published:  
1983

442.PHASE-TRANSITIONS IN MNTIF6.6H2O AND ZNTIF6.6H2O OBSERVED BY IR SPECTROSCOPY  
By: CHOUDHURY, P; GHOSH, B; LAMBA, OP; et al.  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 9 Pages: 1609-1613 Published:  
1983

443.EFFECT OF PRESSURE ON THE THERMAL HYSTERESIS OF A 1ST-ORDER TRANSITION

By: DAS, AN; GHOSH, B

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 10 Pages: 1799-1802 Published: 1983

444.EFFECT OF 3RD-ORDER AND 5TH-ORDER COUPLING TERMS ON THE SPONTANEOUS STRAIN OF A 2ND-ORDER STRUCTURAL PHASE-TRANSITION

By: DAS, AN; GHOSH, B

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 10 Pages: 1803-1805 Published: 1983

445.CRITICAL-BEHAVIOR OF IMPURE ISING-MATTIS MODEL

By: ROY, AK; ROY, SK; CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 16 Issue: 11 Pages: 2115-2120 Published: 1983

446.LEVEL STRUCTURE OF THE N=88 ISOTONES PM-149, EU-151 AND TB-153

By: GUCHHAIT, RK; BHATTACHARYA, S; SEN, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 9 Issue: 6 Pages: 631-642 Published: 1983

447.RADIATION-INDUCED GRAFT CO-POLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE ONTO CELLULOSE-ACETATE .2. STUDIES ON BROMINE LABELING

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 21 Issue: 11 Pages: 3281-3290 Published: 1983

448.RADIATION-INDUCED GRAFT CO-POLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE ONTO CELLULOSE-ACETATE .3. A KINETIC-STUDY

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 21 Issue: 11 Pages: 3291-3302 Published: 1983

449.CERIC PHOSPHATE AS ION-EXCHANGER IN THE SEPARATION OF CARRIER- BI-210 FROM PB-210, Y-90 FROM SR-90 AND UX1 FROM U

By: BHATTACHARYYA, DK; DE, A

JOURNAL OF RADIOANALYTICAL CHEMISTRY Volume: 76 Issue: 1 Pages: 109-117 Published: 1983

450.THE RAMAN-SPECTRA OF MANGANESE AND ZINC FLUOROTITANATE HEXAHYDRATE SYSTEMS

By: CHOUDHURY, P; GHOSH, B; RAGHUVANSHI, GS; et al.

JOURNAL OF RAMAN SPECTROSCOPY Volume: 14 Issue: 2 Pages: 99-101 Published: 1983

451.SYMMETRY AND HYDROGEN-BONDING IN THE CRYSTAL-STRUCTURE OF 9-AMINOACRIDINE HEMIHYDRATE



By: CHAUDHURI, S

JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS Issue: 21 Pages: 1242-1243  
Published: 1983

452.STUDIES OF DIFFERENT HYDRATED FORMS OF PRUSSIAN BLUE

By: GANGULI, S; BHATTACHARYA, M

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 79 Pages: 1513-1522  
Part: 7 Published: 1983

453.EFFECT OF COPPER(II) IONS ON THE GAMMA-RADIOLYSIS OF URACIL

By: BHATTACHARYYA, SN; MANDAL, PC

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 79 Pages: 2613-2629  
Part: 11 Published: 1983

454.LI-7 NMR AND RELATED STUDIES IN LISICON SYSTEM

By: MAZUMDAR, D; BOSE, DN; MUKHERJEE, ML; et al.

MATERIALS RESEARCH BULLETIN Volume: 18 Issue: 1 Pages: 79-86 Published: 1983

455.SUPPRESSION OF N-METHYL-N'-NITRO-N-NITROSOGUANIDINE-INDUCED MUTATION IN CHINESE-  
HAMSTER V79 CELLS BY INHIBITION OF POLY(ADP-RIBOSE)POLYMERASE ACTIVITY

By: BHATTACHARYYA, N; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 121 Issue: 3-4 Pages: 287-292 Published: 1983

456.PULSE SHAPING FOR FAST COINCIDENCE WITH NAI(T1) DETECTORS

By: BOSE, S; SINHA, BK; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Volume: 217 Issue: 3 Pages: 521-523  
Published: 1983

457.EXCHANGE MAGNETIC-MOMENTS OF SOME ODD-MASS NUCLEI

By: NAG, J; PAL, MK

NUCLEAR PHYSICS A Volume: 404 Issue: 1 Pages: 106-120 Published: 1983

458.GAS TEMPERATURE IN A LABORATORY PLASMA - EXPLORATION OF ITS USE AS A BASIC  
PARAMETER

By: MAJUMDAR, NK

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY  
AND MATHEMATICAL PHYSICS AND METHODS Volume: 77 Issue: 2 Pages: 162-180 Published:  
1983

459.PHOTODYNAMIC INACTIVATION OF CHINESE-HAMSTER CELLS

By: GANGULY, T; BHATTACHARJEE, SB

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 38 Issue: 1 Pages: 65-69 Published: 1983

460.SPATTERING OF GERMANIUM BY 15 TO 35 KEV NOBLE-GAS IONS

By: GHOSE, D; BASU, D; KARMOHAPATRO, SB

PHYSICA STATUS SOLIDI A-APPLIED RESEARCH Volume: 77 Issue: 1 Pages: 121-125 Published: 1983

461.APPLICATION OF THE INTERMEDIATE-COUPPLING SCHEME TO A 5D4 SYSTEM, K2OSCL6

By: BASU, S; CHAKRAVARTY, AS

PHYSICAL REVIEW B Volume: 27 Issue: 10 Pages: 6495-6497 Published: 1983

462.KNIGHT-SHIFT OF H ADATOMS ON CU1-XNIX ALLOY

By: MODAK, S; KHANRA, BC

PHYSICAL REVIEW B Volume: 28 Issue: 4 Pages: 2279-2280 Published: 1983

463.EFFECTS OF LOWER-SYMMETRIC CRYSTAL FIELDS IN THE INTERMEDIATE-COUPPLING SCHEME FOR THE TRANSITION-METAL COMPLEXES

By: CHAKRAVARTY, AS; BASU, S

PHYSICAL REVIEW B Volume: 28 Issue: 12 Pages: 6861-6867 Published: 1983

464.HEAVY-ION COLLISIONS AT HIGH-ENERGY

By: BANDYOPADHYAY, P; MAHALANOBIS, J

PHYSICAL REVIEW C Volume: 27 Issue: 2 Pages: 628-639 Published: 1983

465.EFFECT OF CORE POLARIZATION ON THE CHARGE-DISTRIBUTION IN PB-208

By: MUKHERJEE, P; BHATTACHARYA, R; SAMANTA, C

PHYSICAL REVIEW C Volume: 28 Issue: 3 Pages: 1396-1397 Published: 1983

466.POSITRON-ANNIHILATION STUDIES IN FE DOPED SIC MATERIALS

By: SHAHNAWAZ; SENGUPTA, A; SEN, P

PHYSICS LETTERS A Volume: 93 Issue: 5 Pages: 257-258 Published: 1983

467.COMPUTER-SIMULATION STUDY OF THE STATISTICS OF SELF-AVOIDING-WALKS ON A DILUTE LATTICE

By: CHAKRABARTI, BK; BHADRA, K; ROY, AK; et al.

PHYSICS LETTERS A Volume: 93 Issue: 8 Pages: 434-436 Published: 1983

468.EXACT GROUND-STATE EXCITATIONS OF THE XY MODEL IN A TRANSVERSE FIELD IN ONE DIMENSION

By: RAY, P; CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 98 Issue: 8-9 Pages: 431-432 Published: 1983

469.FAILURE OF THE BLOCH-NORDSIECK MECHANISM IN PERTURBATIVE QCD

By: BANERJEE, H; CHATTERJEE, A; SENGUPTA, M

PHYSICS LETTERS B Volume: 124 Issue: 1-2 Pages: 105-108 Published: 1983

470.FACTORIZATION IN LARGE-N LIMIT OF LATTICE GAUGE-THEORIES REVISITED

By: CHATTERJEE, A; GANGOPADHYAY, D

PRAMANA Volume: 21 Issue: 6 Pages: 385-391 Published: 1983

471.LIPID-PEROXIDATION BY ULTRAVIOLET-LIGHT AND HIGH-ENERGY ALPHA-PARTICLES FROM A CYCLOTRON

By: CHATTERJEE, SN; AGARWAL, S

RADIATION AND ENVIRONMENTAL BIOPHYSICS Volume: 21 Issue: 4 Pages: 275-280 Published: 1983

472.KILLING OF BACTERIA DURING SOLAR ECLIPSE AND ITS BIOLOGICAL IMPLICATIONS

By: BANERJEE, SK; CHATTERJEE, SN

RADIATION AND ENVIRONMENTAL BIOPHYSICS Volume: 22 Issue: 3 Pages: 235-238 Published: 1983

473.TRANSITION-TEMPERATURE OF DISPLACIVE SYSTEMS WITH STRONG CRYSTAL DEFECTS

By: BHATTACHARYA, S; CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 45 Issue: 3 Pages: 293-294 Published: 1983

474.EFFECT OF CLUSTER SIZE ON THE ELECTRONIC-PROPERTIES OF A CHEMISORPTION SYSTEM

By: SAHA, SK; KHANRA, BC

SOLID STATE COMMUNICATIONS Volume: 48 Issue: 2 Pages: 155-158 Published: 1983

475.THERMAL-STABILITY OF DNA INTERACTING WITH FURAZOLIDONE AND CU(II) IONS

By: MAITI, M; GHOSH, S; CHATTERJEE, A; et al.

ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: 38 Issue: 3-4 Pages: 290-293 Published: 1983

476.EFFECT OF SODIUM CHOLATE ON THE PHASE-TRANSITION TEMPERATURE OF DIPALMITOYL PHOSPHATIDYLCHOLINE

By: BANERJEE, S; CHATTERJEE, SN

ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: 38 Issue: 3-4 Pages: 302-306 Published: 1983

477.CRYSTAL-STRUCTURE OF AN AMIDE ALKALOID PIPERLONGUMINE

By: BANERJEE, T; CHAUDHURI, S

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C75-C75 Published: 1984

478.CRYSTAL AND MOLECULAR-STRUCTURE OF 6-CHLORO-3-CYCLOPENTYLMETHYL-3,4-DIHYDRO-7-SULFAMOYL-2H-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE

By: BASAK, AK; CHAUDHURI, S; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C76-C76 Published: 1984

479.CRYSTAL AND MOLECULAR-STRUCTURE OF 2-HYDROXY-4-METHOXY-OMEGA,OMEGA-DICHLOROACETOPHENONE

By: CHATTOPADHYAY, D; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C274-C274 Published: 1984

480.STRUCTURE OF A SULFONAMIDE AND A SYMPATHOMIMETIC AMINE

By: DATTA GUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C73-C73 Published: 1984

481.CRYSTAL AND MOLECULAR-STRUCTURE OF 2-IMINO-1,3 DIHYDRO - 4,6 DIMETHYL PYRIMIDINIUM CHLORIDE

By: HALDER, A; BASAK, AK; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C93-C93 Published: 1984

482.STRUCTURE OF DI-SYNEPHRINE ETHER DIHYDROBROMIDE(ALPHA,ALPHA'-N-METHYLAMINO METHYL-4,4'-DIHYDROXY DIBENZYL ETHER DIHYDROBROMIDE)

By: MUKHOPADHYAY, BP; DATTA GUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C283-C283 Published: 1984

483.STUDIES ON NUCLEOBASES AND THEIR DERIVATIVES - CRYSTAL-STRUCTURES OF 1-((S)-2,3-DIHYDROXYPROPYL)URACIL(C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>), 5-BROMO, 1-((S)-2,3-DIHYDROXYPROPYL) URACIL (C<sub>7</sub>H<sub>9</sub>N<sub>2</sub>O<sub>4</sub>BR) AND ARPRINOCID (9 - (2- CHLORO-6-FLUOROBENZYL) ADENINE, C<sub>12</sub>H<sub>9</sub>N<sub>5</sub>FCL)

By: MUTHIAH, PT; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C87-C88 Published: 1984

484.CRYSTAL-STRUCTURE OF 3,4-DIMETHOXY-PHENETHYLAMINE (DMPEA) HYDROCHLORIDE DIHYDRATE (C<sub>10</sub>H<sub>16</sub>O<sub>2</sub>N+CL, 2H<sub>2</sub>O)

By: PATTANAYEK, RR; DATTA GUPTA, JK; SAHA, NN

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C86-C86 Published: 1984

485.STRUCTURE OF DL-NORMETANEPHRINE HYDROCHLORIDE

By: PATTANAYEK, RR; DATTA GUPTA, JK; BHATTACHARYYA, SC; et al.

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C86-C86 Published: 1984

486.CRYSTAL-STRUCTURE OF BIS(3,5,DIMETHYL-1-GUANYL PYRAZOLE) COPPER(II) NITRATE

By: PODDER, A; DATTA GUPTA, JK; SAHA, N

ACTA CRYSTALLOGRAPHICA SECTION A Volume: 40 Supplement: S Pages: C301-C301 Published: 1984

487.STRUCTURE OF DL-NORMETANEPHRINE HYDROCHLORIDE [ALPHA-(AMINOMETHYL)VANILLYL ALCOHOL HYDROCHLORIDE], C<sub>9</sub>H<sub>14</sub>NO<sub>3</sub>+CL-

By: PATTANAYEK, RR; DATTA GUPTA, JK; BHATTACHARYYA, SC; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
FEB Pages: 294-297 Published: 1984

488.STRUCTURE OF SULFAPROXYLINE (PARA-ISOPROPOXY-N-SULPHANILYLBENZAMIDE),  
C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S

By: BASAK, AK; MAZUMDAR, SK; CHAUDHURI, S

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
MAR Pages: 419-422 Published: 1984

489.STRUCTURE OF 8-HYDROXY-5-QUINOLINESULFONIC ACID DIHYDRATE, C<sub>9</sub>H<sub>7</sub>NO<sub>4</sub>S.2H<sub>2</sub>O

By: BANERJEE, T; BASAK, AK; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
MAR Pages: 507-509 Published: 1984

490.STRUCTURE OF 3-HYDROXYIMINO-2-BUTANONE THIOSEMICARBAZONE, A TRIDENTATE N-S  
LIGAND, C<sub>5</sub>H<sub>10</sub>N<sub>4</sub>O<sub>5</sub>

By: NANDI, AK; CHAUDHURI, S; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
JUL Pages: 1193-1196 Published: 1984

491.STRUCTURE OF 4-AMINO-N-2-PYRIDYLBENZENESULPHONAMIDE (SULPHAPYRIDINE),  
C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>S

By: BASAK, AK; CHAUDHURI, S; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
NOV Pages: 1848-1851 Published: 1984

492.STRUCTURE OF ALPHA,ALPHA-DICHLORO-4'-NITROACETANILIDE, C<sub>8</sub>H<sub>6</sub>CL<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

By: DE, A; BASAK, AK; CHAUDHURI, S

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 40 Issue:  
DEC Pages: 2104-2106 Published: 1984

493.ON A SELF-CONSISTENT MEASUREMENT OF THE ANGULAR-CORRELATION OF THE 879-87 KEV  
CASCADE AND THE MAGNETIC-MOMENT OF THE 87 KEV 2+ LEVEL OF DY-160

By: SINHA, BK; BHATTACHARYYA, R

ACTA PHYSICA SLOVACA Volume: 34 Issue: 6 Pages: 369-380 Published: 1984

494.VIBRIOPHAGES AND VIBRIOCINS - PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES

By: CHATTERJEE, SN; MAITI, M

ADVANCES IN VIRUS RESEARCH Volume: 29 Pages: 263-312 Published: 1984

495.SEPARATION OF MOLYBDENUM FROM TUNGSTEN WITH DI(2-ETHYLHEXYL)-PHOSPHORIC ACID AS  
EXTRACTANT

By: DAS, NR; NANDI, B; BHATTACHARYYA, SN

ANALYTICA CHIMICA ACTA Volume: 159 Issue: MAY Pages: 255-263 Published: 1984

496.ELECTRON-CAPTURE SUPERNOVAE - ONE-ZONE COLLAPSE CALCULATION FOR STARS WITH MASSES 10-M. AND 15-M.

By: RAY, A; CHITRE, SM; KAR, K

ASTROPHYSICAL JOURNAL Volume: 285 Issue: 2 Pages: 766-777 Published: 1984

497.EFFECTS OF FURAZOLIDONE ON THE MUTATION OF VIBRIO-CHOLERAEE CELLS TO STREPTOMYCIN RESISTANCE

By: BANERJEE, SK; CHATTERJEE, SN

CURRENT MICROBIOLOGY Volume: 10 Issue: 1 Pages: 19-22 Published: 1984

498.CRYSTAL AND MOLECULAR-STRUCTURE OF (D-LYSINATO) (L-LYSINATO) DICHLORO COPPER(II) DIHYDRATE

By: VENKATASUBRAMANIAN, K; SAHA, NN

CURRENT SCIENCE Volume: 53 Issue: 7 Pages: 385-387 Published: 1984

499.PRODUCTION OF H- ION-BEAM USING DUOPLASMATRON SOURCE

By: ROY, NR

CURRENT SCIENCE Volume: 53 Issue: 8 Pages: 421-423 Published: 1984

500.LOW-FREQUENCY DIELECTRIC-CONSTANT OF LOW RESISTIVITY SOLIDS

By: RAO, MR; VERMA, JKD

CURRENT SCIENCE Volume: 53 Issue: 11 Pages: 573-573 Published: 1984

501.EVALUATION OF THE GENOTOXICITY OF LAC DYE

By: BANERJEE, TS; BHAUMIK, G; YU, CL; et al.

FOOD AND CHEMICAL TOXICOLOGY Volume: 22 Issue: 8 Pages: 677-679 Published: 1984

502.FURAZOLIDONE-INDUCED INTER-STRAND CROSS-LINKING OF VIBRIO-CHOLERAEE DNA - A QUANTITATIVE STUDY BY THERMAL CHROMATOGRAPHY THROUGH HYDROXYAPATITE COLUMN

By: BASAK, J; CHATTERJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 21 Issue: 1 Pages: 7-11 Published: 1984

503.EFFECTS OF OXYGEN ON ASCORBIC ACID-INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE

By: AGARWAL, S; BANERJEE, S; CHATTERJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 21 Issue: 6 Pages: 357-360 Published: 1984

504.COMMENTS ON THE LEPS STUDIES OF H-2 DISSOCIATION ON NI(001) SURFACE

By: SAHA, SK; KHANRA, BC

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 22 Issue: 1 Pages: 59-60 Published: 1984

505.A SIMPLE APPARATUS FOR DIFFERENTIAL THERMAL-ANALYSIS

By: BAL, B; GANGULI, S; BHATTACHARYA, M

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 22 Issue: 4 Pages: 255-256 Published: 1984

506. CM AND MM ELECTRON-SPIN-RESONANCE TECHNIQUE IN THE STUDY OF ORIENTED RADICALS

By: SANYAL, S; ROY, AK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 22 Issue: 6 Pages: 354-359 Published: 1984

507. A SIMPLE POWER-SUPPLY UNIT FOR A THERMOCOUPLE-TYPE VACUUM GAUGE

By: SAHA, SK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 22 Issue: 8 Pages: 503-504 Published: 1984

508. A SIMPLE LOW-COST GRATING SPECTROGRAPH FOR THE OPTICAL-REGION (350-700 NM)

By: DATTA, SK

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 22 Issue: 11 Pages: 667-669 Published: 1984

509. CRYSTAL AND MOLECULAR-STRUCTURE OF HEXAN-2,5-DIONE BIS(4-PHENYL-THIOSEMICARBAZONATO)NICKEL(II), (C<sub>20</sub>H<sub>22</sub>N<sub>6</sub>S<sub>2</sub>NI) - A MODEL STUDY OF THE ENHANCEMENT OF THE ANTIBACTERIAL ACTIVITY OF A TETRADENTATE N, S DONOR LIGAND ON METAL COMPLEXATION

By: NANDI, AK; CHAUDHURI, S; MAZUMDAR, SK; et al.

INORGANICA CHIMICA ACTA-BIOINORGANIC CHEMISTRY Volume: 92 Issue: 3 Pages: 235-240 Published: 1984

510. PROPAGATION OF INTERMEDIATE-FREQUENCY WAVES IN A BOUNDED MAGNETOPLASMA

By: DAS, SK; BASU, J

JOURNAL OF APPLIED PHYSICS Volume: 55 Issue: 7 Pages: 2699-2706 Published: 1984

511. RADIATION-INDUCED GRAFT-COPOLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE ONTO CELLULOSE-ACETATE .4. STUDIES ON SOME PHYSICAL-PROPERTIES AND STRUCTURAL CHARACTERIZATION BY MEANS OF SCANNING ELECTRON-MICROSCOPY

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 29 Issue: 5 Pages: 1559-1568 Published: 1984

512. CRYSTAL-FIELD EFFECT IN AN ISING-MODEL

By: CHATTERJEE, I

JOURNAL OF MATHEMATICAL PHYSICS Volume: 25 Issue: 7 Pages: 2339-2344 Published: 1984

513. FORMATION OF BLISTERS IN TANTALUM BY 30 MEV ALPHA-PARTICLE BOMBARDMENT

By: GHOSE, D; BASU, D; KARMOHAPATRO, SB

JOURNAL OF NUCLEAR MATERIALS Volume: 125 Issue: 3 Pages: 342-345 Published: 1984

514. BONDING OF WATER-MOLECULES IN PRUSSIAN BLUE - A DIFFERENTIAL THERMAL-ANALYSIS AND NUCLEAR MAGNETIC-RESONANCE STUDY

By: BAL, B; GANGULI, S; BHATTACHARYA, M

JOURNAL OF PHYSICAL CHEMISTRY Volume: 88 Issue: 20 Pages: 4575-4577 Published: 1984

515. CRITICAL-BEHAVIOR OF CORRELATED AND ANISOTROPIC SELF-AVOIDING WALKS

By: MANNA, SS; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 17 Issue: 16 Pages: 3237-3247  
Published: 1984

516. CRITICAL-DYNAMICS OF HEISENBERG SPINS ON SELF-AVOIDING-WALK CHAINS

By: BHATTACHARYA, S; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 17 Issue: 14 Pages: L761-L763  
Published: 1984

517. CRITICAL-BEHAVIOR OF ANISOTROPIC SPIRAL SELF AVOIDING WALKS

By: MANNA, SS

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 17 Issue: 16 Pages: L899-L903  
Published: 1984

518. LOW-ENERGY POTENTIAL SCATTERING AND THE LIMIT OF LARGE DIMENSIONALITY

By: SINHARROY, M; GANGOPADHYAY, RS; DUTTARROY, B

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 17 Issue: 13 Pages: L687-L690  
Published: 1984

519. INVESTIGATION OF IONIC-CONDUCTION IN THE MIXED AGI-PBI<sub>2</sub> SYSTEM

By: MALLICK, TK; GANGULI, S; CHATTERJEE, N

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 45 Issue: 6 Pages: 661-663 Published:  
1984

520. 2D NMR-STUDIES OF STRUCTURAL PHASE-TRANSITION IN NITIF<sub>6.6</sub> D<sub>2</sub>O

By: BOSE, M; ROY, K; GHOSHRAY, A

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 17 Issue: 30 Pages: 5277-5288 Published:  
1984

521. THE PHASE-TRANSITION AND THE MODE-COUPPLING PHENOMENON OBSERVED IN MNTIF<sub>6.6</sub>D<sub>2</sub>O USING RAMAN-SCATTERING

By: CHOUDHURY, P; GHOSH, B; PATEL, MB; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 17 Issue: 32 Pages: 5827-5832 Published:  
1984

522. DETECTION OF A 2ND PHASE-TRANSITION IN COSIF<sub>6.6</sub>D<sub>2</sub>O BY D-2 NMR

By: BOSE, M; ROY, K; GHOSHRAY, A

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 17 Issue: 28 Pages: L757-L759 Published:  
1984



523.(L+M+...)/K CAPTURE RATIO IN THE DECAY OF LA-138

By: MANDAL, AM; PATRO, AP

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 10 Issue: 12 Pages: 1765-1769

Published: 1984

524.THE MASS AND CHARGE VARIANCES IN SM+SM COLLISIONS

By: DE, JN; KRISHAN, K; SAMADDAR, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 10 Issue: 11 Pages: L257-L261

Published: 1984

525.ADSORPTION OF TRACER CATIONS, AND THE SEPARATION OF CARRIER- NB-95 FROM ZR-95, UX1 FROM U AND CA-45 FROM SC-46 ON TITANIUM PHOSPHATE COLUMN

By: BHATTACHARYYA, DK; DE, A

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 83 Issue: 2 Pages: 309-318

Published: 1984

526.CHEMICAL CONSEQUENCES OF CL-35(N,P)S-35 TRANSFORMATION IN ALKALI CHLORIDE MATRIX

By: DAS, NR; CHATTOPADHYAY, P

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 84 Issue: 1 Pages: 185-195

Published: 1984

527.CRYSTAL-STRUCTURES OF N-BENZENESULFONYL-DL-ALANINE AND AQUA-[N-BENZENESULPHONYL-DL-ALANINATO(2-)]COPPER(II) MONOHYDRATE - A MODEL FOR METAL-ION SULFONAMIDE BINDING

By: CHAUDHURI, S

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 5 Pages: 779-783 Published:

1984

528.SOME ASPECTS OF THE RADIOLYSIS OF COBALT(II) IMINODIACETATE IN AQUEOUS-SOLUTION

By: SRISANKAR, EV; SAHA, NC; MANDAL, PC; et al.

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 8 Pages: 1629-1634

Published: 1984

529.REACTIONS OF SOME -RADICALS DERIVED FROM URACIL WITH NICKEL(II) COMPOUNDS

By: BHATTACHARYYA, SN; MANDAL, PC

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 80 Pages: 1205-1215

Part: 5 Published: 1984

530.EFFECT OF CHLORINE SUBSTITUTION ON THE STRUCTURE AND ACTIVITY OF 4-PHENYLTHIOSEMICARBAZIDE - CRYSTAL AND MOLECULAR-STRUCTURE OF "4-(4-CHLOROPHENYL)THIOSEMICARBAZIDE

By: NANDI, AK; CHAUDHURI, S; MAZUMDAR, SK; et al.

JOURNAL OF THE CHEMICAL SOCIETY-PERKIN TRANSACTIONS 2 Issue: 11 Pages: 1729-1733

Published: 1984

531.A SIMPLE METHOD OF MAKING VACUUM FEEDTHROUGH FOR ELECTRICAL CONTACTS  
By: DAS, MB; BALIGA, BB; BHATTACHARYA, R  
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A-VACUUM SURFACES AND FILMS Volume: 2 Issue:  
3 Pages: 1398-1398 Published: 1984

532.PRE-THERMALIZATION QUARK MOMENTUM DISTRIBUTION IN THE QUARK-GLUON PLASMA  
By: CHAKRABORTY, S; SYAM, D  
LETTERE AL NUOVO CIMENTO Volume: 41 Issue: 11 Pages: 381-384 Published: 1984

533.UV NON-MUTABLE MUTANT FROM V-79 CHINESE-HAMSTER CELLS  
By: CHATTERJEE, S; BHATTACHARJEE, SB; BHATTACHARYYA, N; et al.  
MOLECULAR & GENERAL GENETICS Volume: 193 Issue: 2 Pages: 251-254 Published: 1984

534.FURTHER-STUDIES ON TETRACYCLINE-INDUCED MUTATION IN V79 CHINESE-HAMSTER CELLS  
By: BHATTACHARJEE, SB; PAL, B; BHAUMIK, G  
MUTATION RESEARCH Volume: 135 Issue: 3 Pages: 211-217 Published: 1984

535.DETERMINATION OF L-CAPTURE PROBABILITY FROM L-X-RAY-GAMMA RAY SUMMING IN A  
GAMMA-X-DETECTOR  
By: MUKHERJEE, P; SAMANTA, C; MUKHERJEE, I  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 219 Issue: 1 Pages: 253-255  
Published: 1984

536.HRYNKIEWICZ 3RD RELATION AND ITS APPLICATION IN THE MEASUREMENT OF MAGNETIC-  
MOMENTS  
By: SINHA, BK; BHATTACHARYYA, R  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 219 Issue: 2 Pages: 443-444  
Published: 1984

537.TIME STRUCTURE STUDIES ON THE CYCLOTRON BEAM BY GAMMA-RAY TIME SPECTRUM  
TECHNIQUE  
By: BHANDARI, RK; SEN, P; MUKHERJEE, P  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 226 Issue: 2-3 Pages: 552-  
554 Published: 1984

538.THE DEVELOPMENT OF SURFACE MORPHOLOGICAL FEATURES ON ARGON-BOMBARDED SILVER  
SINGLE-CRYSTALS  
By: GHOSE, D; BASU, D; KARMOHAPATRO, SB  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 229 Issue: 1 Pages: 26-34 Published: 1984

- 539.BETA-DECAY OF THE 5.9 MIN ISOMER OF RH-108  
By: BHATTACHARYA, P  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 79  
Issue: 4 Pages: 471-482 Published: 1984
- 540.WEAK TRANSITIONS IN TB-160 DECAY  
By: CHATTOPADHYAY, RK; CHATTERJEE, JM; SETHI, B  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 82  
Issue: 4 Pages: 403-417 Published: 1984
- 541.CRYSTAL-FIELD EFFECT IN PLANAR FERROMAGNETS  
By: MUKHOPADHYAY, S; CHATTERJEE, I  
PHYSICA B & C Volume: 125 Issue: 1 Pages: 33-39 Published: 1984
- 542.ROTATING HARMONIC-OSCILLATOR - VIOLATION OF AN EQUIPARTITION THEOREM  
By: GANGOPADHYAY, RS; GHOSH, G; DUTTARROY, B  
PHYSICAL REVIEW A Volume: 30 Issue: 1 Pages: 594-596 Published: 1984
- 543.PHENOMENOLOGICAL ANHARMONIC VIBRATOR MODEL FOR GROUND-STATE BANDS OF EVEN-EVEN NUCLEI  
By: BHATTACHARYA, S; SEN, S  
PHYSICAL REVIEW C Volume: 30 Issue: 3 Pages: 1014-1016 Published: 1984
- 544.CORRELATION BETWEEN NEUTRONS AND PROTONS IN HEAVY-ION COLLISIONS  
By: DE, JN; SAMADDAR, SK  
PHYSICAL REVIEW C Volume: 30 Issue: 5 Pages: 1763-1766 Published: 1984
- 545.SUPERSYMMETRIC KINKS AND THE WITTEN-OLIVE BOUND  
By: CHATTERJEE, A; MAJUMDAR, P  
PHYSICAL REVIEW D Volume: 30 Issue: 4 Pages: 844-846 Published: 1984
- 546.TIGHTENING LIGHT-HIGGS-BOSON MASSES IN LOW-ENERGY SUPERGRAVITY  
By: MAJUMDAR, P; ROY, P  
PHYSICAL REVIEW D Volume: 30 Issue: 11 Pages: 2432-2435 Published: 1984
- 547.ON A WRONSKIAN IN SCATTERING-THEORY  
By: MUKHERJEE, S  
PHYSICS LETTERS A Volume: 100 Issue: 7 Pages: 325-326 Published: 1984
- 548.A NEW THEORY FOR INCLUDING SHORT-RANGE ORDER IN THE CLUSTER BETHE LATTICE METHOD - APPLICATION TO THE HUBBARD-MODEL  
By: KARMAKAR, SN; MOITRA, RK; CHAUDHURI, P  
PHYSICS LETTERS A Volume: 101 Issue: 2 Pages: 92-94 Published: 1984
- 549.A DILUTED QUANTUM TRANSVERSE ISING-MODEL IN 2 DIMENSIONS

By: BHATTACHARYA, S; RAY, P

PHYSICS LETTERS A Volume: 101 Issue: 7 Pages: 346-348 Published: 1984

550.ISOCHRONAL ANNEALING STUDY OF NEUTRON-INDUCED DEFECTS IN SINGLE AND POLY CRYSTALS OF MOLYBDENUM

By: NAIDU, SV; SENGUPTA, A; ROY, R; et al.

PHYSICS LETTERS A Volume: 101 Issue: 9 Pages: 512-513 Published: 1984

551.LIMIT-CYCLES IN A FORCED LORENZ SYSTEM

By: BHATTACHARJEE, JK; BANERJEE, K; CHOWDHURY, D; et al.

PHYSICS LETTERS A Volume: 104 Issue: 1 Pages: 33-35 Published: 1984

552.A NEW TREATMENT OF SHORT-RANGE ORDER IN A BETHE LATTICE WITHIN THE SINGLE SITE APPROXIMATION

By: KARMAKAR, SN; MOITRA, RK; CHAUDHURI, P

PHYSICS LETTERS A Volume: 104 Issue: 1 Pages: 38-41 Published: 1984

553.POSITRON-ANNIHILATION STUDIES IN ALPHA-IRRADIATED N-TYPE GAAS

By: SENGUPTA, A; NAIDU, SV; BHANDARI, RK; et al.

PHYSICS LETTERS A Volume: 104 Issue: 2 Pages: 117-118 Published: 1984

554.ARE NEUTRON ANTINEUTRON OSCILLATIONS ALLOWED IN SUPERSYMMETRIC GRAND UNIFIED THEORIES

By: MAJUMDAR, P; RAYCHAUDHURI, A; SARKAR, U

PHYSICS LETTERS B Volume: 137 Issue: 3-4 Pages: 181-186 Published: 1984

555.MASS-SPECTRUM OF THE DIMUONS PRODUCED IN RELATIVISTIC HEAVY-ION COLLISIONS

By: SYAM, D

PRAMANA Volume: 22 Issue: 1 Pages: 31-41 Published: 1984

556.CLUSTER BETHE LATTICE MODEL STUDIES OF CHEMISORPTION - H ON NI SURFACE

By: KHANRA, BC

PRAMANA Volume: 23 Issue: 2 Pages: 263-268 Published: 1984

557.NONLINEAR DISTRIBUTION FUNCTION FOR A PLASMA OBEYING VLASOV-MAXWELL SYSTEM OF EQUATIONS

By: MAJUMDAR, SK

PRAMANA Volume: 23 Issue: 6 Pages: 785-801 Published: 1984

558.ISOCHRONAL ANNEALING STUDIES ON ALPHA-IRRADIATED NICKEL

By: NAIDU, SV; SENGUPTA, A; MUKHOPADHYAY, G; et al.

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 83 Issue: 1-2 Pages: 129-134 Published: 1984

559.DOPPLER BROADENING STUDIES ON ALPHA-IRRADIATED MOLYBDENUM

By: NAIDU, SV; SENGUPTA, A; ROY, R; et al.

RADIATION EFFECTS LETTERS Volume: 86 Issue: 2-3 Pages: 63-68 Published: 1984

560. PEROXIDATION OF THE DRIED THIN-FILM OF LIPID BY HIGH-ENERGY ALPHA-PARTICLES FROM A CYCLOTRON

By: AGARWAL, S; CHATTERJEE, SN

RADIATION RESEARCH Volume: 100 Issue: 2 Pages: 257-263 Published: 1984

561.A ZING TRANSITION IN THE LATTICE-GAS MODEL

By: CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 52 Issue: 2 Pages: 189-190 Published: 1984

562. LIFONS AND SOLITONS - A STRONG RESEMBLANCE

By: CHAKRAVARTY, AS

SPECULATIONS IN SCIENCE AND TECHNOLOGY Volume: 7 Issue: 2 Pages: 113-114 Published: 1984

563. ELECTRON-MICROSCOPIC STUDY OF THE POLYMYXIN TREATED GOAT ERYTHROCYTES

By: MANDAL, TK; CHATTERJEE, SN

ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: 39 Issue: 7-8 Pages: 776-780 Published: 1984

564. STATISTICS OF SELF-AVOIDING WALKS ON RANDOM LATTICES

By: ROY, AK; CHAKRABARTI, BK

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 55 Issue: 2 Pages: 131-136 Published: 1984

565. ISING-MODEL ON SELF-AVOIDING WALK CHAINS

By: BHATTACHARYA, S; CHAKRABARTI, BK

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 57 Issue: 2 Pages: 151-155 Published: 1984

566. A STUDY OF TWO-DIMENSIONAL MODELS

By: BANERJEE, R

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 25 Issue: 3 Pages: 251-258 Published: 1984

567. SYMMETRICALLY SUBSTITUTED ETHYLENES - STRUCTURES OF (I) 1,1-DICHLORO-2,2-BIS-(PARA-METHOXYPHENYL)ETHYLENE, C<sub>16</sub>H<sub>14</sub>CL<sub>2</sub>O<sub>2</sub>, AND (II) "1,1-BIS(PARA-ETHOXYPHENYL)ETHYLENE, C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>

By: BANERJEE, T; CHAUDHURI, S; MUTHIAH, PT

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 41 Issue: FEB Pages: 269-271 Published: 1985

568. STRUCTURE OF 2,2-DICHLORO-2'-HYDROXY-4'-METHOXYACETOPHENONE, C<sub>9</sub>H<sub>8</sub>CL<sub>2</sub>O<sub>3</sub>

By: CHATTOPADHYAY, D; BANERJEE, T; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 41 Issue:  
FEB Pages: 287-289 Published: 1985

569.THE POSSIBLE ROLE OF SOLITONIC PROCESSES DURING A TO B CONFORMATIONAL-CHANGES IN  
DNA

By: KHAN, A; BHAUMIK, D; DUTTARROY, B

BULLETIN OF MATHEMATICAL BIOLOGY Volume: 47 Issue: 6 Pages: 783-789 Published: 1985

570.STRUCTURE AND REACTIONS OF H<sub>2</sub>O ON CLEAN AND OXYGEN-COVERED NI(111) SURFACES

By: SAHA, SK; DEBNATH, NC

CHEMICAL PHYSICS LETTERS Volume: 121 Issue: 6 Pages: 490-493 Published: 1985

571.THE EXTRACTION MECHANISM OF THULIUM IN DI(2-ETHYL HEXYL) PHOSPHORIC-ACID - NITRIC-  
ACID SYSTEM

By: BHATTACHARYYA, SN; GANGULY, KM

HYDROMETALLURGY Volume: 15 Issue: 1 Pages: 11-24 Published: 1985

572.A STUDY OF CONFORMATIONAL ASPECTS OF MOLECULAR-INTERACTIONS OF GAMMA-  
AMINO BUTYRIC ACID (GABA) AND 2 GABA INHIBITORS

By: MAJUMDAR, D; GUHA, S

INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY

Volume: 24 Issue: 8 Pages: 831-834 Published: 1985

573.AGGREGATE DEBYE TEMPERATURES OF CUBIC SOLIDS AND VERMA-AGGARWAL APPROXIMATION  
FOR SHEAR MODULUS

By: ROY, D; VERMA, JKD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 23 Issue: 5 Pages: 285-286 Published:  
1985

574.EFFECT OF STRUCTURAL PERTURBATIONS ON HELIX COIL TRANSITIONS IN COVALENTLY CLOSED  
SUPERCOILED DNA

By: MAJUMDAR, R; THAKUR, AR

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Supplement: 12 Pages: 229-234 Published:  
1985

575.RADIATION-INDUCED GRAFT-COPOLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE  
ONTO CELLULOSE-ACETATE .5. STUDIES ON THERMAL-BEHAVIOR

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 30 Issue: 1 Pages: 151-158 Published: 1985

576.RADIATION-INDUCED GRAFT-COPOLYMERIZATION OF MIXTURES OF STYRENE AND ACRYLAMIDE  
ONTO CELLULOSE-ACETATE .6. PERMEABILITY OF SODIUM-CHLORIDE AND SODIUM-SULFATE

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 30 Issue: 1 Pages: 159-164 Published: 1985

577.MAGNETIC-PROPERTIES OF A LINEAR-CHAIN ANTIFERROMAGNET

By: MUKHOPADHYAY, S; CHATTERJEE, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 50 Issue: 3 Pages: 343-346

Published: 1985

578.CURRENT-DENSITY EFFECTS FOR MG+ ION SPUTTER-EMISSION FROM A MG SURFACE

By: RAY, N; CHAKRABORTY, P; DEY, SD

JOURNAL OF NUCLEAR MATERIALS Volume: 135 Issue: 2-3 Pages: 280-282 Published: 1985

579.A REAL SPACE RENORMALIZATION-GROUP STUDY OF THE ISING-MODEL ON SELF-AVOIDING WALK CHAINS

By: CHAKRABARTI, BK; BHATTACHARYA, S

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 18 Issue: 6 Pages: 1037-1040

Published: 1985

580.CRITICAL SPIN-WAVE DYNAMICS FOR TWO-DIMENSIONAL SIERPINSKI-TYPE FRACTAL

By: BHATTACHARYA, S

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 18 Issue: 7 Pages: L369-L371

Published: 1985

581.EFFECT OF ANISOTROPIC CONSTRAINTS ON SELF-AVOIDING WALKS

By: MANNA, SS

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 18 Issue: 5 Pages: L255-L259

Published: 1985

582.NUMBER OF 2-CHOICE AND SPIRAL SELF-AVOIDING LOOPS

By: MANNA, SS

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 18 Issue: 2 Pages: L71-L74

Published: 1985

583.POSITION-SPACE RENORMALIZATION-GROUP STUDY OF SHORTEST PATHS IN PERCOLATION CLUSTERS

By: RAY, P

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 18 Issue: 11 Pages: L657-L660

Published: 1985

584.LOW-SPIN FE(IV) ARISING FROM ELECTRON-TRANSFER IN A MIXED-VALENCE COMPOUND - A MOSSBAUER STUDY

By: DAS, S; GANGULI, S; BHATTACHARYA, M

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 46 Issue: 1 Pages: 143-146 Published: 1985

585.MOSSBAUER STUDIES OF THE CHARGE-TRANSFER IN A LAYERED CYANIDE

By: DAS, S; GANGULI, S; BHATTACHARYA, M

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 18 Issue: 19 Pages: 3809-3814 Published: 1985

586. AN EXPLANATION OF THE CHANGE IN FREQUENCY AND LINEWIDTH OF THE SYMMETRIC STRETCHING VIBRATION VS(H<sub>2</sub>O) IN ZNTIF<sub>6</sub>.6H<sub>2</sub>O AND MNTIF<sub>6</sub>.6H<sub>2</sub>O NEAR THE TRANSITION POINT

By: DAS, AN; CHOUDHURY, P; GHOSH, B

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 18 Issue: 32 Pages: 5975-5986 Published: 1985

587. ON THE NMR-STUDY OF HYDROGEN ADSORBED ON CU-NI ALLOYS

By: MODAK, S; KHANRA, BC

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 18 Issue: 27 Pages: L897-L899 Published: 1985

588. THE CRITICAL-BEHAVIOR OF FRACTURE PROPERTIES OF DILUTE BRITTLE SOLIDS NEAR THE PERCOLATION-THRESHOLD

By: RAY, P; CHAKRABARTI, BK

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 18 Issue: 9 Pages: L185-L188 Published: 1985

589. DIELECTRIC-CONSTANT OF MERCURIC IODIDE

By: RAO, MR; ROY, D; VERMA, JKD

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 18 Issue: 3 Pages: 517-520 Published: 1985

590. (L+M+...)/K CAPTURE RATIO IN THE DECAY OF BI-207

By: MANDAL, AM; PATRO, AP

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 11 Issue: 9 Pages: 1025-1033 Published: 1985

591. ANGULAR-DISTRIBUTIONS IN PRE-COMPOUND NUCLEAR-REACTIONS

By: DE, A; RAY, S; GHOSH, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 11 Issue: 5 Pages: L79-L84 Published: 1985

592. PHASE-TRANSITION IN MANGANESE AND ZINC FLUOROTITANATE HEXAHYDRATE AND HEXADEUTERATE SYSTEMS OBSERVED BY RAMAN-SPECTROSCOPY

By: CHOUDHURY, P; GHOSH, B; PATEL, MB; et al.

JOURNAL OF RAMAN SPECTROSCOPY Volume: 16 Issue: 3 Pages: 149-155 Published: 1985

593. REACTIONS OF COBALT(III) COMPOUNDS WITH SOME -RADICALS DERIVED FROM URACIL

By: BHATTACHARYYA, SN; MANDAL, PC

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 81 Pages: 2569-2575 Part: 11 Published: 1985

594. ON THE STATISTICAL-THEORY OF NUCLEAR-REACTIONS FOR STRONGLY OVERLAPPING RESONANCES



By: PAL, D; KAR, K

LETTERE AL NUOVO CIMENTO Volume: 44 Issue: 6 Pages: 383-387 Published: 1985

595.INTERACTION OF UV AND N-METHYL-N'-NITRO-N-NITROSOGUANIDINE - CYTO-TOXICITY AND MUTAGENICITY IN V79 CELLS

By: BHATTACHARYYA, N; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 152 Issue: 1 Pages: 77-83 Published: 1985

596.INDUCTION OF LAMBDA-PROPHAGE BY FURAZOLIDONE

By: PAL, AK; CHATTERJEE, SN

MUTATION RESEARCH Volume: 156 Issue: 1-2 Pages: 69-75 Published: 1985

597.AN EXPERIMENTAL-STUDY OF SINGLE SLIT COLLIMATION AT THE VARIABLE ENERGY CYCLOTRON, CALCUTTA

By: DE, TK; BALIGA, BB; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 238 Issue: 1 Pages: 173-176  
Published: 1985

598.CORRELATION OF TIME AND ENERGY RESOLUTIONS IN A CYCLOTRON BEAM

By: BHANDARI, RK; SEN, P; MUKHERJEE, P

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 242 Issue: 1 Pages: 37-41  
Published: 1985

599.SINGLE PHOTON RESPONSE OF PHOTOMULTIPLIER TUBES

By: DAS, MB; BOSE, S; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 242 Issue: 1 Pages: 156-159  
Published: 1985

600.THE ANGULAR-DISTRIBUTION OF SPUTTERED SILVER ATOMS

By: KUNDU, S; GHOSE, D; BASU, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 12 Issue: 3 Pages: 352-357 Published: 1985

601.THE DISTRIBUTION OF  $3P_{1/2}$  STRENGTH IN BI-209

By: SAMANTA, C; MUKHERJEE, I; MUKHERJEE, P

NUCLEAR PHYSICS A Volume: 435 Issue: 1 Pages: 91-96 Published: 1985

602.THE EFFECT OF THE SHELL GAP IN STRONGLY DAMPED COLLISIONS

By: DE, JN; KRISHAN, K; SAMADDAR, SK

NUCLEAR PHYSICS A Volume: 445 Issue: 1 Pages: 173-188 Published: 1985

603.MELTING TRANSITION OF COVALENTLY CLOSED DNA WITH SUPERCOIL-INDUCED CRUCIFORMS

By: MAJUMDAR, R; THAKUR, AR

NUCLEIC ACIDS RESEARCH Volume: 13 Issue: 16 Pages: 5883-5893 Published: 1985

604.DOPPLER-SHIFT ATTENUATION MEASUREMENTS ON FE-57 AND CO-57

By: BANERJEE, P; SETHI, B; CHATTERJEE, JM; et al.

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 85  
Issue: 1 Pages: 54-66 Published: 1985

605.A 2-COMPONENT MODEL FOR HADRON-PRODUCTION IN HIGH-ENERGY PP COLLISIONS

By: BANERJEE, H; DE, T; SYAM, D

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 89  
Issue: 4 Pages: 353-380 Published: 1985

606.POSITRON-ANNIHILATION STUDY OF POST-IRRADIATION ANNEALING OF DEFECTS IN ALPHA-IRRADIATED MOLYBDENUM

By: NAIDU, SV; SENGUPTA, A; ROY, R; et al.

PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE DEFECTS AND MECHANICAL PROPERTIES Volume: 52 Issue: 2 Pages: 255-266 Published: 1985

607.THE PHOTODYNAMIC EFFECTS ON V-79 CHINESE-HAMSTER CELLS

By: BHATTACHARJEE, SB; GANGULY, T; BHAUMIK, G

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 41 Issue: 2 Pages: 153-158 Published: 1985

608.INTERCALATION OF FERROCENE IN CDPS3

By: BAL, B; GANGULI, S; BHATTACHARYA, M

PHYSICA B & C Volume: 133 Issue: 1 Pages: 64-70 Published: 1985

609.THE INFLUENCE OF IMPURITIES ON THE RANGE OF 28 MEV ALPHA-PARTICLES IN NaCl SINGLE-CRYSTALS

By: BASU, AM; CHOUDHURY, A; CHAUDHURI, S; et al.

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 128 Issue: 2 Pages: 483-488 Published: 1985

610.MAGNETIC-PROPERTIES OF THE PLANAR ANTIFERROMAGNET K<sub>2</sub>FEF<sub>4</sub>

By: MUKHOPADHYAY, S; CHATTERJEE, I

PHYSICAL REVIEW B Volume: 31 Issue: 1 Pages: 505-507 Published: 1985

611.APPLICATION OF INTERMEDIATE-COUPPLING SCHEME TO THE KD<sub>6</sub> (K=4,5) SYSTEM

By: BASU, S; CHAKRAVARTY, AS

PHYSICAL REVIEW B Volume: 31 Issue: 2 Pages: 850-854 Published: 1985

612.INTERPLAY OF EXCHANGE AND CRYSTAL-FIELD EFFECTS IN THE MAGNETIC-SUSCEPTIBILITY OF CS<sub>2</sub>CRCL<sub>5</sub>.4H<sub>2</sub>O

By: CHATTERJEE, I

PHYSICAL REVIEW B Volume: 31 Issue: 5 Pages: 3158-3160 Published: 1985

613. ORIENTATION AND DISSOCIATION OF THE CO MOLECULE ON TRANSITION-METAL SURFACES

By: SAHA, SK; KHANRA, BC

PHYSICAL REVIEW B Volume: 31 Issue: 8 Pages: 5521-5522 Published: 1985

614. THERMAL-EQUILIBRIUM IN STRONGLY DAMPED COLLISIONS

By: SAMADDAR, SK; DE, JN; KRISHAN, K

PHYSICAL REVIEW C Volume: 31 Issue: 3 Pages: 1053-1056 Published: 1985

615. INCLUSIVE PRODUCTION OF PROTONS IN HEAVY-ION COLLISIONS AT HIGH-ENERGY

By: MAHALANOBIS, J; BANDYOPADHYAY, P

PHYSICAL REVIEW C Volume: 31 Issue: 4 Pages: 1241-1244 Published: 1985

616. BAND-STRUCTURE IN THE N=88 ISOTONES PM-149, EU-151, AND TB-153

By: BHATTACHARYA, S; SEN, S; GUCHHAIT, RK

PHYSICAL REVIEW C Volume: 32 Issue: 3 Pages: 1026-1039 Published: 1985

617. STRUCTURE OF HIGH-SPIN PROTON STATES IN PB-208

By: SAMANTA, C; MUKHERJEE, I; MUKHERJEE, P

PHYSICAL REVIEW C Volume: 32 Issue: 6 Pages: 2217-2219 Published: 1985

618. MULTIPLE PULSE HOMOCLINIC ORBITS IN A NERVE-CONDUCTION EQUATION

By: LAHIRI, A; GOSWAMI, D; DASGUPTA, B

PHYSICS LETTERS A Volume: 108 Issue: 3 Pages: 173-176 Published: 1985

619. CHAOTIC WAVETRAINS IN A NERVE-CONDUCTION MODEL

By: LAHIRI, A; GOSWAMI, DK; BASU, U; et al.

PHYSICS LETTERS A Volume: 111 Issue: 5 Pages: 246-250 Published: 1985

620. A MODEL FOR NERVE IMPULSE PROPAGATION INVOLVING PHASE-CHANGE IN MEMBRANE LIPID

By: LAHIRI, A; GOSWAMI, DK; DASGUPTA, B

PHYSICS LETTERS A Volume: 111 Issue: 5 Pages: 256-260 Published: 1985

621. PHASE-TRANSITIONS ON A TWO-DIMENSIONAL SIERPINSKI-TYPE FRACTAL

By: BHATTACHARYA, S

PHYSICS LETTERS A Volume: 112 Issue: 1-2 Pages: 51-52 Published: 1985

622. POSITRON-ANNIHILATION STUDIES IN ALPHA-IRRADIATED N-TYPE GAP

By: SENGUPTA, A; NAIDU, SV; SEN, P

PHYSICS LETTERS A Volume: 112 Issue: 8 Pages: 399-401 Published: 1985

623. CRITICAL EXPONENTS IN THE CORRELATED EFFECTIVE FIELD-THEORY

By: MUKHOPADHYAY, S; CHATTERJEE, I

PHYSICS LETTERS A Volume: 112 Issue: 8 Pages: 407-410 Published: 1985

624. DILUTING LATTICE FERMIONS

By: MITRA, P

PHYSICS LETTERS B Volume: 150 Issue: 1-3 Pages: 205-208 Published: 1985

625.CHARGE POLARIZATION IN HEAVY-ION COLLISIONS

By: BANERJEE, AK; SAMANTA, BC; SAMADDAR, SK

PHYSICS LETTERS B Volume: 153 Issue: 4-5 Pages: 213-216 Published: 1985

626.BOUNDARY EFFECTS ON THE SOLITON MASS IN (1+1)-DIMENSIONAL SUPERSYMMETRIC THEORIES

By: CHATTERJEE, AK; MAJUMDAR, P

PHYSICS LETTERS B Volume: 159 Issue: 1 Pages: 37-41 Published: 1985

627.ION-ACOUSTIC SOLITONS IN A MULTI COMPONENT PLASMA - COMPARISON OF DIFFERENT THEORETICAL-MODELS

By: RAYCHAUDHURI, S; GABL, EF; DAS, KP; et al.

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 27 Issue: 3 Pages: 299-306 Published: 1985

628.ADIABATIC TIME-DEPENDENT HARTREE-FOCK THEORY WITH THE CONSISTENCY CONDITION

By: MUKHERJEE, AK; PAL, MK

PRAMANA Volume: 24 Issue: 1-2 Pages: 109-117 Published: 1985

629.LOW-LYING VIBRATIONAL-STATES OF ND-145,147,149

By: MAJUMDAR, R

PRAMANA Volume: 24 Issue: 3 Pages: 461-473 Published: 1985

630.MICROWAVE-SPECTRUM OF CIS 3-FLUOROPHENOL

By: DUTTA, A; JAMAN, AI

PRAMANA Volume: 24 Issue: 3 Pages: 499-502 Published: 1985

631.CHARGE DIVISION MECHANISM IN LOW-ENERGY BINARY FISSION AND THE PASSAGE OF PROMPT FRAGMENTS TOWARDS THE BETA-STABLE PRODUCTS IN TERMS OF THE DOUBLE CORE MODEL

By: BASU, P; BHATTACHARYA, P; CHATTERJEE, ML

PRAMANA Volume: 25 Issue: 2 Pages: 165-173 Published: 1985

632.TRANSPORT-COEFFICIENTS OF QUARK-GLUON PLASMA

By: CHAKRABARTY, S

PRAMANA Volume: 25 Issue: 6 Pages: 673-683 Published: 1985

633.A MICROSCOPIC APPROACH TO THE STATISTICAL FRACTURE-ANALYSIS OF DISORDERED BRITTLE SOLIDS

By: RAY, P; CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 53 Issue: 5 Pages: 477-479 Published: 1985

634.DEFECT STUDIES IN ALPHA-IRRADIATED AND DEFORMED NIOBIUM BY POSITRON-ANNIHILATION

By: NAIDU, SV; GUPTA, AS; SEN, P; et al.

SOLID STATE COMMUNICATIONS Volume: 55 Issue: 1 Pages: 27-29 Published: 1985

635.SOLID-SOLUTIONS OF  $\text{Li}_3\text{VO}_4$ - $\text{Li}_4\text{GeO}_4$  AS SOLID ELECTROLYTES - NMR AND RELATED STUDIES

By: BOSE, M; BASU, A; MAZUMDAR, D; et al.

SOLID STATE IONICS Volume: 15 Issue: 2 Pages: 101-107 Published: 1985

636.A CONFORMATIONAL STUDY OF 2-FLUOROPHENYLISOTHIOCYANATE BY LOW RESOLUTION MICROWAVE SPECTROSCOPY

By: JAMAN, AI; DUTTA, A; NANDI, RN; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 41

Issue: 6 Pages: 837-839 Published: 1985

637.SOME STARTLING REVELATIONS FROM POSITRON-ANNIHILATION STUDIES IN PLANTS

By: CHAKRAVARTY, AS; SEN, P

SPECULATIONS IN SCIENCE AND TECHNOLOGY Volume: 8 Issue: 3 Pages: 197-204 Published: 1985

638.FRAGMENTED  $2D_{5/2}$ ,  $1G_{7/2}$  AND  $1G_{9/2}$  DEEP PROTON-HOLE STATES OF TI-207

By: MAJUMDAR, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 320 Issue: 2 Pages: 307-309

Published: 1985

639.EFFECT OF QUADRUPOLE AND OCTOPOLE VIBRATIONS OF PB-206 ON THE  $1J_{15-2}$  NEUTRON PARTICLE STATE OF PB-207

By: MAJUMDAR, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 320 Issue: 3 Pages: 483-485

Published: 1985

640.CORE POLARIZATION EFFECT ON THE  $3P_{1/2}$ ,  $3P_{3/2}$ ,  $2F_{5/2}$ ,  $2F_{7/2}$  AND  $1I_{13/2}$  PROTON STATES OF BI-209

By: MAJUMDAR, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 322 Issue: 4 Pages: 641-645

Published: 1985

641.ON THE GEOMETRICAL SHAPE OF THE SINGLE-PARTICLE SPIN-ORBIT POTENTIAL

By: BHATTACHARYA, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 322 Issue: 4 Pages: 665-667

Published: 1985

642.AN ANALYTIC STUDY OF THE FRIEDEL CRITERION IN DISORDERED MAGNETIC STATES IN TRANSITION-METALS IN THE PRESENCE OF S-D HYBRIDIZATION, USING THE CLUSTER BETHE LATTICE APPROACH

By: KARMAKAR, SN; MOITRA, RK; CHAUDHURI, P

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 58 Issue: 2 Pages: 133-140 Published:

1985

643. STATISTICS OF DIRECTED SELF-AVOIDING WALKS ON PERCOLATION CLUSTERS AT THE PERCOLATION-THRESHOLD  
By: ROY, AK; MANNA, SS  
ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 61 Issue: 2 Pages: 205-208 Published: 1985
644. STUDY OF CONFORMATIONAL ASPECTS OF SEVERAL GAMMA-AMINOBUTYRIC-ACID UPTAKE INHIBITORS BY MOLECULAR-ORBITAL METHOD  
By: MAJUMDAR, D; GUHA, S  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY Volume: 24 Issue: 11 Pages: 1146-1148 Published: NOV 1985
645. EFFECTS OF OXYGEN ON FERROUS SULFATE INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE  
By: AGARWAL, S; BANERJEE, S; CHATTERJEE, SN  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 22 Issue: 6 Pages: 331-334 Published: DEC 1985
646. MICROWAVE SPECTRAL STUDY OF 2-FLUOROPHENOL - CIS-CONFORMER  
By: DUTTA, A; JAMAN, AI; NANDI, RN  
JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 114 Issue: 2 Pages: 274-279 Published: DEC 1985
647. ISOCHRONAL ANNEALING STUDY ON N-IRRADIATED SINGLE-CRYSTALS AND POLYCRYSTALS OF MO  
By: NAIDU, SV; GUPTA, AS; SEN, P  
PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE DEFECTS AND MECHANICAL PROPERTIES Volume: 52 Issue: 6 Pages: 801-810 Published: DEC 1985
648. COMMENTS ON A SET OF NEW SOLUTIONS OF S<sub>3</sub> EQUATIONS  
By: KUNDU, A  
PHYSICS LETTERS A Volume: 113 Issue: 4 Pages: 215-216 Published: DEC 16 1985
649. TRANSVERSE SUSCEPTIBILITY OF SPIN-S ISING CHAINS IN THE PRESENCE OF A CRYSTAL-FIELD  
By: CHATTERJEE, I  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 18 Issue: 35 Pages: 1097-1101 Published: DEC 20 1985
650. A STUDY OF THE ELECTROSTATIC POTENTIAL MAPS FOR SEVERAL GABA (GAMMA-AMINOBUTYRIC-ACID) INHIBITORS OF RESTRICTED CONFORMATION  
By: GUHA, S; MAJUMDAR, D  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Supplement: 13 Pages: 19-37 Published: 1986
651. CHARGED MULTIPLICITY DISTRIBUTIONS IN E+E- ANNIHILATION AND PP COLLISION  
By: BISWAS, A

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 12 Issue: 1 Pages: 1-13  
Published: JAN 1986

652.FUNCTIONAL STOCHASTIC QUANTIZATION AND PERTURBATION-THEORY

By: GANGOPADHYAY, D; CHATTERJEE, A; MAJUMDAR, P

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 12 Issue: 1 Pages: L1-L6

Published: JAN 1986

653.REACTIONS OF HYDROXYALKYL RADICALS WITH URACIL

By: BHATTACHARYYA, SN; MANDAL, PC

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS I Volume: 82 Pages: 2103-2110

Part: 7 Published: 1986

654.EVEN-ODD EFFECT IN NEMATIC ISOTROPIC TRANSITIONS OF LIQUID-CRYSTALS COMPOSED OF  
MOLECULES WITH TERMINAL PHENYL RINGS

By: MUKHERJEE, CD; BOSE, TR; GHOSH, D; et al.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 140 Issue: 2-4 Pages: 205-210 Published:

1986

655.PHENOMENOLOGICAL BOUNDS ON FLAVOR-MIXING CONTRIBUTIONS TO THE DOWN-SCALAR-  
QUARK MASS MATRIX

By: DATTA, A; MAJUMDAR, P; RAYCHAUDHURI, A

PHYSICAL REVIEW D Volume: 33 Issue: 1 Pages: 280-283 Published: JAN 1 1986

656.DENSITY PROFILE DETERMINATION OF CYLINDRICALLY SYMMETRICAL NONUNIFORM PLASMA  
SPATIAL-FILTERING

By: SHARMA, SK

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 28 Issue: 1B Pages: 391-392 Published: JAN

1986

657.ULTRASONIC RADIATION-INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE

By: JANA, AK; AGARWAL, S; CHATTERJEE, SN

RADIATION AND ENVIRONMENTAL BIOPHYSICS Volume: 25 Issue: 4 Pages: 309-314 Published:

1986

658.THE EFFECT OF COMPLEXING AGENT ON THE EXTRACTION OF LANTHANIDES BY DI(2-ETHYL  
HEXYL)PHOSPHORIC ACID .1. GLYCINE

By: BHATTACHARYYA, SN; GANGULY, KM

RADIOCHIMICA ACTA Volume: 39 Issue: 4 Pages: 199-203 Published: 1986

659.THE EFFECT OF COMPLEXING AGENT ON THE EXTRACTION OF LANTHANIDES BY DI(2-ETHYL  
HEXYL) PHOSPHORIC-ACID .2. 3-MERCAPTO PROPIONIC-ACID

By: BHATTACHARYYA, SN; GANGULY, KM

RADIOCHIMICA ACTA Volume: 40 Issue: 1 Pages: 17-20 Published: 1986

660.DYNAMICS OF THE LISICON SYSTEM FROM LI-7 NMR

By: BOSE, M; BASU, A; TORGENSON, D

SOLID STATE IONICS Volume: 18-9 Pages: 539-543 Part: 1 Published: JAN 1986

661.NMR-STUDIES OF THE MIXED CONDUCTOR LIXV2O5

By: BOSE, M; BASU, A

SOLID STATE IONICS Volume: 18-9 Pages: 902-906 Part: 2 Published: JAN 1986

662.CRYSTAL-STRUCTURE OF BIS(3,5-DIMETHYL-1-GUANYL PYRAZOLE) COPPER(II) NITRATE

By: PODDER, A; DATTA GUPTA, JK; SAHA, N; et al.

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 175 Issue: 1-2 Pages: 151-154 Published: 1986

663.PI-CHARACTER OF C(PHENYL)-N(AMIDE) BONDS IN ACETANILIDES AND C(PHENYL)-C(KETO) BONDS IN ACETOPHENONES

By: CHATTOPADHYAY, D; MAZUMDAR, SK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 177 Issue: 1-2 Pages: 103-106 Published: 1986

664.MASS AND CHARGE-DISTRIBUTIONS WITH CORRELATED EXCHANGE

By: BHATTACHARYYA, S; DE, JN; SAMADDAR, SK; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 325 Issue: 1 Pages: 79-83 Published: 1986

665.CO VARIANT AND CONSISTENT ANOMALIES IN EVEN-DIMENSIONAL CHIRAL GAUGE-THEORIES

By: BANERJEE, H; BANERJEE, R; MITRA, P

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 32 Issue: 3 Pages: 445-454 Published: 1986

666.GRAVITATIONAL ANOMALIES

By: LEUTWYLER, H; MALLIK, S

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 33 Issue: 2 Pages: 205-226 Published: 1986

667.FERMIONIC ZERO MODES IN TWO-DIMENSIONAL FIELD-THEORIES

By: AGRAWAL, P; CHATTERJEE, A; MAJUMDAR, P

PHYSICAL REVIEW D Volume: 33 Issue: 2 Pages: 623-625 Published: JAN 15 1986

668.FERROMAGNETISM IN NARROW-BAND SYSTEMS

By: MAITI, PB

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 19 Issue: 4 Pages: 593-598 Published: FEB 10 1986

669.ELECTRON DAMPING IN THE PARAMAGNETIC PHASE OF THE S-F MODEL

By: KARMAKAR, SN; ROY, GK; CHAUDHURI, P

PHYSICS LETTERS A Volume: 114 Issue: 3 Pages: 145-147 Published: FEB 10 1986

670.A CURIOSITY CONCERNING NONNEGATIVE QUANTUM DISTRIBUTION-FUNCTIONS



By: BASU, S

PHYSICS LETTERS A Volume: 114 Issue: 6 Pages: 303-305 Published: MAR 3 1986

671.VACUUM POLARIZATION AND THE NUCLEAR-MASS FORMULA

By: SAMADDAR, SK; MAJUMDAR, MM; SAMANTA, BC; et al.

NUCLEAR PHYSICS A Volume: 451 Issue: 1 Pages: 160-170 Published: MAR 17 1986

672.SOLVENT-EXTRACTION SEPARATION OF TANTALUM FROM NIOBIUM ON MACRO SCALE USING DI(2-ETHYLHEXYL) PHOSPHORIC-ACID AS EXTRACTANT

By: BHATTACHARYYA, SN; GANGULY, BN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 98 Issue: 2 Pages: 247-253 Published: APR 1986

673.A SEMIEMPIRICAL METHOD BASED ON THE LSS FORMALISM FOR ESTIMATING ELECTRONIC-ENERGY LOSS

By: BANERJEE, P; SETHI, B; CHATTERJEE, JM

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 14 Issue: 4-6 Pages: 527-529 Published: APR 1986

674.MOLECULAR-ORBITAL STUDIES ON THE CO/NI CHEMISORPTION SYSTEM IN PRESENCE OF ALKALI ADDITIVES AND STEPS

By: SAHA, SK; KHANRA, BC

PRAMANA Volume: 26 Issue: 4 Pages: 361-365 Published: APR 1986

675.STUDIES ON CHEMISORPTION-INDUCED SURFACE SEGREGATION FROM ADSORBATE KNIGHT-SHIFT

By: MODAK, S; KHANRA, BC

SOLID STATE COMMUNICATIONS Volume: 58 Issue: 1 Pages: 51-52 Published: APR 1986

676.VACANCY FORMATION ENERGY IN INSB FROM POSITRON TRAPPING MEASUREMENTS

By: SENGUPTA, A; NAIDU, SV; ROY, R; et al.

SOLID STATE COMMUNICATIONS Volume: 58 Issue: 3 Pages: 219-222 Published: APR 1986

677.HEDGEHOG AND TOROIDAL SOLITONS OF THE SKYRME MODEL

By: KUNDU, A

PHYSICS LETTERS B Volume: 171 Issue: 1 Pages: 67-70 Published: APR 17 1986

678.THE CRYSTAL AND MOLECULAR-STRUCTURE OF N-(3,4,5-TRIMETHOXYCINNAMOYL)-DELTA-3-PIPERIDINE-2-ONE, AN AMIDE ALKALOID (PIPERLONGUMINE), C<sub>17</sub>H<sub>19</sub>NO<sub>5</sub>

By: BANERJEE, T; CHAUDHURI, S

CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE Volume: 64 Issue: 5 Pages: 876-880 Published: MAY 1986

679.ANALYTIC BOUNDS ON ALL LIGHT-HIGGS-BOSON MASSES FROM SUPERGRAVITY

By: ROY, P; MAJUMDAR, P

PHYSICAL REVIEW D Volume: 33 Issue: 9 Pages: 2674-2678 Published: MAY 1 1986

680. MOLECULAR-WEIGHT DISTRIBUTION OF THE GRAFT COPOLYMER COMPRISING MIXTURES OF STYRENE AND ACRYLAMIDE ON CELLULOSE-ACETATE FILM BY MEANS OF GEL-PERMEATION CHROMATOGRAPHY

By: BHATTACHARYYA, SN; MALDAS, D

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 31 Issue: 6 Pages: 1671-1676 Published: MAY 5 1986

681. ONE-PARAMETER CLASS OF SOLUTIONS IN THE CHIRAL SCHWINGER MODEL

By: BANERJEE, R

PHYSICAL REVIEW LETTERS Volume: 56 Issue: 18 Pages: 1889-1892 Published: MAY 5 1986

682. CONSERVATION-LAWS IN THE SUPERSYMMETRIC SINE-GORDON MODEL

By: SENGUPTA, S; MAJUMDAR, P

PHYSICAL REVIEW D Volume: 33 Issue: 10 Pages: 3138-3141 Published: MAY 15 1986

683. ANNEALING STUDY OF DEFECTS IN ALPHA-IRRADIATED N-TYPE GAAS BY POSITRON-ANNIHILATION TECHNIQUE

By: GUPTA, AS; NAIDU, SV; SEN, P

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 40 Issue: 2 Pages: 95-99  
Published: JUN 1986

684. GAUGE EQUIVALENCE OF SIGMA-MODELS WITH NONCOMPACT GRASSMANNIAN MANIFOLDS

By: KUNDU, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 19 Issue: 8 Pages: 1303-1313  
Published: JUN 1 1986

685. CLASSICAL LIMIT OF THE HYDROGEN-ATOM

By: BHAUMIK, D; DUTTARROY, B; GHOSH, G

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 19 Issue: 8 Pages: 1355-1364  
Published: JUN 1 1986

686. CLUSTER AGGREGATION BY SHORTEST-PATH TRAVEL

By: MANNA, SS; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 19 Issue: 8 Pages: L447-L450  
Published: JUN 1 1986

687. PRODUCTION OF HIGH-ENERGY PULSED ELECTRON-BEAM OF NANOSECOND DURATION

By: DAS, MB; BOSE, S; BHATTACHARYA, R

JOURNAL OF PHYSICS E-SCIENTIFIC INSTRUMENTS Volume: 19 Issue: 6 Pages: 454-456 Published:  
JUN 1986

688. VALENCE PROTON ORBIT RADII AND TOTAL RMS CHARGE RADII IN THE TIN REGION

By: BHATTACHARYA, R

PHYSICAL REVIEW C Volume: 33 Issue: 6 Pages: 2185-2187 Published: JUN 1986

689.MICROWAVE SPECTRAL STUDY OF 3-FLUOROBENZONITRILE

By: DUTTA, A; JAMAN, AI; GHOSH, DK; et al.

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 118 Issue: 1 Pages: 232-236 Published: JUL 1986

690.THE DISTRIBUTION OF THE 1G<sub>9/2</sub> AND 1F<sub>5/2</sub> INNER PROTON-HOLE STATES OF TL-207

By: MAJUMDAR, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 12 Issue: 7 Pages: 641-646  
Published: JUL 1986

691.HYDRODYNAMICS AND LARGE TRANSVERSE-MOMENTA IN HIGH-ENERGY COLLISIONS

By: WEHRBERGER, K; SYAM, D; RAHA, S

PHYSICAL REVIEW D Volume: 34 Issue: 1 Pages: 294-297 Published: JUL 1 1986

692.CURRENTS AND THE ANOMALIES IN CHIRAL GAUGE-THEORIES - DYNAMIC-APPROACH IN HIGHER DIMENSIONS

By: BANERJEE, H; BANERJEE, R

PHYSICS LETTERS B Volume: 174 Issue: 3 Pages: 313-318 Published: JUL 10 1986

693.DIELECTRIC BEHAVIOR AND THERMAL EXPANSIONS OF ZNTIF<sub>6</sub>.6H<sub>2</sub>O/6D<sub>2</sub>O AND MNTIF<sub>6</sub>.6H<sub>2</sub>O/6D<sub>2</sub>O CRYSTALS

By: CHOUDHURY, P; MANDAL, P; DAS, AN; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 19 Issue: 21 Pages: 3961-& Published: JUL 30 1986

694.INFLUENCE OF INHIBITORS OF POLY(ADP-RIBOSE)POLYMERASE ACTIVITY ON X-RAY AND ULTRAVIOLET-LIGHT INDUCED KILLING AND MUTATION IN CHINESE-HAMSTER V79 CELLS

By: BHATTACHARJEE, SB; BHATTACHARYYA, N

CARCINOGENESIS Volume: 7 Issue: 8 Pages: 1267-1271 Published: AUG 1986

695.NONEQUILIBRIUM NUCLEON EMISSION AROUND THE FERMI ENERGY REGION

By: DE, JN; SAMADDAR, SK

JOURNAL DE PHYSIQUE Volume: 47 Issue: C-4 Pages: 77-82 Published: AUG 1986

696.ROLE OF STANNIC PHOSPHATE IN THE UPTAKE OF CATIONS - SEPARATION OF ZIRCONIUM FROM THORIUM AND CADMIUM FROM INDIUM AT TRACER CONCENTRATIONS

By: BHATTACHARYYA, DK

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 100 Issue: 2 Pages: 277-285 Published: AUG 1986

697.STRINGENT LOW-ENERGY MASS CONSTRAINTS IN NO-SCALE SUPERGRAVITY

By: MAJUMDAR, P; ROY, P

PHYSICAL REVIEW D Volume: 34 Issue: 3 Pages: 911-913 Published: AUG 1 1986

698.COMMENT ON THE GAUGING OF DIRAC-KAHLER FERMIONS ON LATTICES

By: MITRA, P

PHYSICAL REVIEW D Volume: 34 Issue: 4 Pages: 1232-1233 Published: AUG 15 1986

699.A TEST OF THE BAY-REGION MECHANISM IN CARCINOGENESIS FOR MONOMETHYL  
BENZ[A]ANTHRACENES IN A SELF-CONSISTENT-FIELD MOLECULAR-ORBITAL THEORY

By: MAJUMDAR, R; THAKUR, AR; MATHUR, SC; et al.

MUTATION RESEARCH Volume: 175 Issue: 1 Pages: 1-4 Published: SEP 1986

700.DISTRIBUTION OF SHORTEST-PATH LENGTHS IN PERCOLATION ON A HIERARCHICAL LATTICE

By: BARMA, M; RAY, P

PHYSICAL REVIEW B Volume: 34 Issue: 5 Pages: 3403-3407 Published: SEP 1 1986

701.STRUCTURE OF 3'-ACETAMIDO-2,2-DICHLORO-4',5'-DIMETHYLACETOPHENONE

By: CHATTOPADHYAY, D; BANERJEE, T; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 42 Pages:  
1201-1204 Part: 9 Published: SEP 15 1986

702.RADIATION-INDUCED GRAFT-COPOLYMERIZATION OF N-VINYL CARBAZOLE AND METHYL-  
METHACRYLATE ONTO CELLULOSE-ACETATE FILM

By: BHATTACHARYYA, SN; MALDAS, D; PANDEY, VK

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 24 Issue: 10 Pages: 2507-  
2515 Published: OCT 1986

703.ONLINE NEUTRON RESPONSE OF A GE-NAI(TL) ANTI-COMPTON SPECTROMETER

By: MUKHERJEE, P; SEN, P; MUKHERJEE, I; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 251 Issue: 1 Pages: 191-192  
Published: OCT 1 1986

704.NONUNIQUENESS OF THE COLLECTIVE SUBMANIFOLD IN THE ATDHF THEORY

By: MUKHERJEE, AK

PHYSICS LETTERS B Volume: 178 Issue: 2-3 Pages: 129-134 Published: OCT 2 1986

705.HYDROGEN-BONDING PATTERNS IN 8-HYDROXYQUINOLINE DERIVATIVES - (I) STRUCTURE OF 5-  
CHLORO-8-HYDROXYQUINOLINE AND (II) REFINEMENT OF THE STRUCTURE OF 8-HYDROXYQUINOLINE

By: BANERJEE, T; SAHA, NN

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 42 Pages:  
1408-1411 Part: 10 Published: OCT 15 1986

706.SURFACE SEGREGATION IN THE HYDROGEN-ADSORBED CU-NI ALLOY

By: MODAK, S; KHANRA, BC

PHYSICAL REVIEW B Volume: 34 Issue: 8 Pages: 5909-5911 Part: 2 Published: OCT 15 1986

707.DETERMINISTIC MODEL FOR EDEN TREES

By: MANNA, SS

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 19 Issue: 15 Pages: 3191-3194  
Published: OCT 21 1986

708. EDEN TREES ON THE SIERPINSKI GASKET

By: MANNA, SS; ROY, AK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 19 Issue: 15 Pages: 3195-3197  
Published: OCT 21 1986

709. A PIG ION-SOURCE FOR NEGATIVE-IONS AND LOSS OF H<sup>-</sup> IONS IN VARIOUS GASES

By: KUNDU, S; GHOSE, D; KARMOHAPATRO, SB

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES Volume: 72 Issue: 3  
Pages: 239-247 Published: OCT 29 1986

710. PATH-INTEGRAL QUANTIZATION OF CONSTRAINED HAMILTONIAN DYNAMIC SYSTEM - A  
PEDAGOGICAL EXAMPLE

By: SENGUPTA, M

AMERICAN JOURNAL OF PHYSICS Volume: 54 Issue: 11 Pages: 1024-1029 Published: NOV 1986

711. BEAM CURRENT INTEGRATOR USING A SINGLE CHIP A/D CONVERTER

By: BOSE, S; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 251 Issue: 3 Pages: 527-530  
Published: NOV 1 1986

712. TESTS OF THE FACTORIZED DISTORTED-WAVE IMPULSE APPROXIMATION FOR (P,2P) REACTIONS

By: SAMANTA, C; CHANT, NS; ROOS, PG; et al.

PHYSICAL REVIEW C Volume: 34 Issue: 5 Pages: 1610-1619 Published: NOV 1986

713. ON SOME OPERATORS IN MULTICHANNEL SCATTERING

By: MUKHERJEE, S

PRAMANA Volume: 27 Issue: 5 Pages: 623-628 Published: NOV 1986

714. STRUCTURE OF XYLOMETAZOLINE (OTRIVIN) HYDROCHLORIDE, AN ALPHA ADRENERGIC AGONIST

By: GHOSE, S; DATTA GUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 42 Pages:  
1524-1526 Part: 11 Published: NOV 15 1986

715. STRUCTURE OF SULFISOMIDINE DIHYDROCHLORIDE DIHYDRATE

By: GHOSE, S; DATTA GUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 42 Pages:  
1563-1566 Part: 11 Published: NOV 15 1986

716. QUANTUM NONSEPARABILITY VERSUS LOCAL REALISM - A NEW TEST USING THE BOBBARO  
SYSTEM

By: DATTA, A; HOME, D

PHYSICS LETTERS A Volume: 119 Issue: 1 Pages: 3-6 Published: NOV 24 1986

717. THE EFFECT OF NICOTINAMIDE ON N-METHYL-N-NITRO-N-NITROSOGUANIDINE INDUCED KILLING AND MUTATION

By: BHATTACHARYYA, N; BHATTACHARJEE, SB

CHEMICO-BIOLOGICAL INTERACTIONS Volume: 60 Issue: 3 Pages: 287-295 Published: DEC 1986

718. CRYSTAL-FIELD EFFECT ON THE TRANSVERSE SUSCEPTIBILITY IN SPIN-S ISING CHAINS

By: CHATTERJEE, I

PHYSICAL REVIEW B Volume: 34 Issue: 11 Pages: 7969-7974 Published: DEC 1 1986

719. STUDY OF AGGREGATION BEHAVIOR IN HDEHP NORMAL-HEPTANE SYSTEM BY POSITRON-ANNIHILATION TECHNIQUE

By: GANGULY, B; SEN, P

APPLIED RADIATION AND ISOTOPES Volume: 38 Issue: 9 Pages: 681-684 Published: 1987

720. ALPHA-PARTICLE ACTIVATION-ANALYSIS OF TRACES OF NIOBIUM IN GEOLOGICAL-MATERIALS

By: DAS, NR; BASU, D; BHATTACHARYYA, SN

APPLIED RADIATION AND ISOTOPES Volume: 38 Issue: 11 Pages: 939-942 Published: 1987

721. CHARGE TRAPPING BY SOLITONS - A POSSIBLE TRANSPORT MECHANISM IN MACROMOLECULAR SYSTEMS

By: KHAN, A; BHAUMIK, D; DUTTARROY, B

BULLETIN OF MATHEMATICAL BIOLOGY Volume: 49 Issue: 6 Pages: 729-735 Published: 1987

722. DNA DAMAGE BY 5-NITRO-2-FURYLACRYLIC-ACID+A NITROFURAN DERIVATIVE

By: CHATTERJEE, SN; BANERJEE, SK; PAL, AK; et al.

CHEMICO-BIOLOGICAL INTERACTIONS Volume: 63 Issue: 2 Pages: 185-194 Published: 1987

723. ELECTRICAL-RESISTIVITY OF TRANSITION-METAL SUBSTITUTED Y<sub>9</sub>CO<sub>7</sub> COMPOUNDS

By: RANGANATHAN, R; THUMMES, G

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS

Volume: 26 Supplement: 26-3 Pages: 821-822 Part: 1 Published: 1987

724. STUDY OF CURRENT-DENSITY EFFECTS OF SECONDARY ION EMISSION FROM FCC, BCC AND HCP CRYSTAL-STRUCTURES

By: RAY, N; CHAKRABORTY, P; DEY, SD

JOURNAL OF NUCLEAR MATERIALS Volume: 144 Issue: 1-2 Pages: 51-55 Published: JAN 1987

725. THE EMC EFFECT AND A HERETIC MODEL OF CONFINEMENT

By: PLUMER, M; RAHA, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 1 Pages: L7-L12  
Published: JAN 1987

726. SEPARATION OF NIOBIUM AND TANTALUM THROUGH SOLVENT-EXTRACTION AND REVERSED PHASE EXTRACTION CHROMATOGRAPHY USING ALIQUAT-336 AS AN ANION-EXCHANGER  
By: DAS, NR; CHATTOPADHYAY, P  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 109 Issue: 1 Pages: 45-54 Published: JAN 1987

727. A MEAN FIELD-THEORY OF REENRANT PHASES IN SOME BINARY-MIXTURES OF POLAR AND NONPOLAR COMPOUNDS  
By: BOSE, TR; GHOSH, D; ROY, MK; et al.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 142 Issue: 1-4 Pages: 41-54 Published: 1987

728. CR-39 AND DETECTION OF VERY HIGH-ENERGY NEUTRONS  
By: GANGULY, AK; CHAUDHURI, B; MITRA, B; et al.  
NUCLEAR TRACKS AND RADIATION MEASUREMENTS Volume: 13 Issue: 2-3 Pages: 139-141  
Published: 1987

729. 5TH NATIONAL SEMINAR ON SOLID-STATE NUCLEAR TRACK DETECTORS HELD AT CALCUTTA, INDIA 24-26 MARCH 1987  
By: BALIGA, BB  
NUCLEAR TRACKS AND RADIATION MEASUREMENTS Volume: 13 Issue: 4 Pages: 279-280  
Published: 1987

730. SPIRAL PERCOLATION - A MONTE-CARLO SIMULATION STUDY  
By: RAY, P; BOSE, I  
PHASE TRANSITIONS Volume: 9 Issue: 1 Pages: 52-52 Part: A Published: 1987

731. RESISTANCE AND SPECTRAL DIMENSION OF SELF-AVOIDING WALKS WITH BRIDGES  
By: MANNA, SS; ROY, AK  
PHASE TRANSITIONS Volume: 9 Issue: 1 Pages: 54-54 Part: A Published: 1987

732. STUDY OF STRUCTURAL PHASE-TRANSITION IN ZNTIF<sub>6</sub>.6H<sub>2</sub>O, MNTIF<sub>6</sub>.6H<sub>2</sub>O SYSTEMS AND THEIR DEUTERATED ANALOGS  
By: CHOUDHURY, P  
PHASE TRANSITIONS Volume: 9 Issue: 1 Pages: 69-69 Part: A Published: 1987

733. O-16(ALPHA,ALPHA-P) AND CA-40(ALPHA,ALPHA-P) REACTIONS AT 139.2 MEV INCIDENT ENERGY  
By: SAMANTA, C; CHANT, NS; ROOS, PG; et al.  
PHYSICAL REVIEW C Volume: 35 Issue: 1 Pages: 333-335 Published: JAN 1987

734. ULTRAVIOLET INACTIVATION AND PHOTOREACTIVATION OF THE CHOLERA PHAGE-KAPPA  
By: SAMAD, SA; BHATTACHARYYA, SC; CHATTERJEE, SN  
RADIATION AND ENVIRONMENTAL BIOPHYSICS Volume: 26 Issue: 4 Pages: 295-300 Published: 1987

735. THE EFFECT OF AVERAGE ONE BODY POTENTIAL ON THE ORBIT RADII MEASUREMENTS IN THE LEAD REGION

By: BHATTACHARYA, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 327 Issue: 1 Pages: 31-32 Published: 1987

736. THE RELATIVE STABILITY OF SUPERHEAVY ELEMENTS

By: MAJUMDAR, H; GHOSH, SK; RAY, S

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 328 Issue: 2 Pages: 165-170  
Published: 1987

737. SCALING THEORY FOR THE STATISTICS OF SELF-AVOIDING WALKS ON RANDOM LATTICES

By: ROY, AK; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 20 Issue: 1 Pages: 215-225  
Published: JAN 11 1987

738. QUARK-GLUON-PLASMA DIAGNOSTICS - MEASURING PI-0-GAMMA RATIO WITH DILEPTONS

By: RAHA, S; SINHA, B

PHYSICAL REVIEW LETTERS Volume: 58 Issue: 2 Pages: 101-103 Published: JAN 12 1987

739. CERIC TUNGSTATE AS SORBENT FOR POLYVALENT TRACER CATIONS AND AS AN ION-EXCHANGER FOR SEPARATION OF CARRIER- NB-95 FROM ZR-95 AND IN-113M FROM SN-113

By: BHATTACHARYYA, DK; DE, A

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-LETTERS Volume: 108 Issue: 2 Pages: 109-124  
Published: JAN 31 1987

740. GEOMETRIC APPROACH TO CLASSICAL IMPROVEMENT OF LATTICE ACTIONS

By: MITRA, P

JOURNAL OF MATHEMATICAL PHYSICS Volume: 28 Issue: 2 Pages: 468-471 Published: FEB 1987

741. BLISTERING OF TANTALUM FOILS DURING ALPHA-PARTICLE BOMBARDMENT

By: GHOSE, D; BHATTACHARYA, SR; BASU, D; et al.

JOURNAL OF NUCLEAR MATERIALS Volume: 144 Issue: 3 Pages: 282-286 Published: FEB 1987

742. ION-EXCHANGE SEPARATION OF Y-90 FROM SR-90 USING ASCORBIC-ACID AND NITRILOTRIACETIC ACID AS ELUENTS

By: DAS, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 109 Issue: 2 Pages: 413-418  
Published: FEB 1987

743. RISE TIME MEASUREMENT OF HPGE DETECTOR PULSES

By: BOSE, S; CHATTERJEE, MB; SINHA, BK; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 254 Issue: 1 Pages: 79-84  
Published: FEB 1 1987



744. STUDIES ON A PULSE SHAPING SYSTEM FOR FAST COINCIDENCE WITH VERY LARGE VOLUME HPGE DETECTORS

By: BOSE, S; CHATTERJEE, MB; SINHA, BK; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 254 Issue: 1 Pages: 118-122

Published: FEB 1 1987

745. SPIRAL-LATTICE-SITE ANIMALS - AN EXACT ENUMERATION STUDY

By: BOSE, I; RAY, P

PHYSICAL REVIEW B Volume: 35 Issue: 4 Pages: 2071-2074 Published: FEB 1 1987

746. INFLUENCE OF CAFFEINE ON X-RAY-INDUCED KILLING AND MUTATION IN V79 CELLS

By: BHATTACHARJEE, SB; BHATTACHARYYA, N; CHATTERJEE, S

RADIATION RESEARCH Volume: 109 Issue: 2 Pages: 310-318 Published: FEB 1987

747. ENERGY-DEPENDENT NUCLEUS-NUCLEUS POTENTIAL IN HEAVY-ION COLLISIONS

By: BANDYOPADHYAY, D; SAMADDAR, SK; KRISHAN, K; et al.

NUCLEAR PHYSICS A Volume: 462 Issue: 3 Pages: 587-604 Published: FEB 2 1987

748. INSULATION BREAKDOWN IN A RANDOM NON-PERCOLATING NETWORK OF CONDUCTORS

By: CHAKRABARTI, BK; BARDHAN, KK; RAY, P

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 20 Issue: 4 Pages: L57-L60 Published: FEB

10 1987

749. THERMODYNAMICS OF CHEMISORPTION - INDUCED SURFACE SEGREGATION IN BINARY-ALLOYS

By: MODAK, S; KHANRA, BC

CHEMICAL PHYSICS LETTERS Volume: 134 Issue: 1 Pages: 39-42 Published: FEB 13 1987

750. EXTERNAL ELECTROSTATIC DEFLECTOR TECHNIQUES FOR PULSE SELECTION FROM THE 37 INCH CYCLOTRON AT SINP, CALCUTTA

By: RAY, R; DATTA, AK

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 254 Issue: 2 Pages: 393-397

Published: FEB 15 1987

751. A NOTE ON THE SCATTERING OF LIGHT FROM INTERPLANETARY DUST PARTICLES

By: SHARMA, SK; SOMERFORD, DJ

ASTRONOMY & ASTROPHYSICS Volume: 174 Issue: 1-2 Pages: 352-354 Published: MAR 1987

752. POSITRON-ANNIHILATION STUDIES ON ALPHA-IRRADIATED AND DEFORMED NIOBIUM

By: NAIDU, SV; GUPTA, AS; SEN, P

JOURNAL OF NUCLEAR MATERIALS Volume: 148 Issue: 1 Pages: 86-91 Published: MAR 1987

753. SURFACE-TOPOGRAPHY OF AR+ BOMBARDED GAAS (100) AT VARIOUS TEMPERATURES

By: BHATTACHARYA, SR; GHOSE, D; BASU, D; et al.  
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A-VACUUM SURFACES AND FILMS Volume: 5 Issue:  
2 Pages: 179-183 Published: MAR-APR 1987

754. EXACT-SOLUTIONS TO HIGHER-ORDER NONLINEAR EQUATIONS THROUGH GAUGE  
TRANSFORMATION

By: KUNDU, A

PHYSICA D Volume: 25 Issue: 1-3 Pages: 399-406 Published: MAR-APR 1987

755. SCATTERING OF ELECTROMAGNETIC-WAVES BY A NONUNIFORM CYLINDRICAL PLASMA IN THE  
EIKONAL APPROXIMATION

By: SHARMA, SK; DASGUPTA, B

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 29 Issue: 3 Pages: 303-311 Published: MAR  
1987

756. STRUCTURE OF 2,2',4,4',5,5'-HEXAMETHOXYBIPHENYL

By: CHATTOPADHYAY, D; BANERJEE, T; MAJUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages:  
482-484 Part: 3 Published: MAR 15 1987

757. LARGE-N EXPANSION IN MASSLESS 3-DIMENSIONAL QED

By: BHATTACHARYYA, JS

PHYSICAL REVIEW D Volume: 35 Issue: 6 Pages: 2049-2052 Published: MAR 15 1987

758. MOLECULAR-CONFIGURATION OF ALPHA-FURIL

By: BISWAS, SC; RAY, S; PODDER, A

CHEMICAL PHYSICS LETTERS Volume: 134 Issue: 6 Pages: 541-544 Published: MAR 20 1987

759. A RENORMALIZATION-GROUP STUDY OF THE ANDERSON HAMILTONIAN FOR ARBITRARY BAND-  
FILLING

By: CHAKRABARTI, A; MOITRA, RK; RAY, P

PHYSICS LETTERS A Volume: 120 Issue: 9 Pages: 479-482 Published: MAR 23 1987

760. HYPERFINE INTERACTION IN THE MIXED CONDUCTOR GAMMA-LIV2O5

By: BOSE, M; BASU, A

HYPERFINE INTERACTIONS Volume: 34 Issue: 1-4 Pages: 463-466 Published: APR 1987

761. MOSSBAUER STUDIES OF FE-57 INTERCALATED CDPS3

By: BAL, B; GANGULI, S; BHATTACHARYA, M

HYPERFINE INTERACTIONS Volume: 35 Issue: 1-4 Pages: 899-902 Published: APR 1987

762. 2D NMR-STUDIES OF STRUCTURAL PHASE-TRANSITIONS IN ABF6.6D2O SYSTEMS

By: GHOSHRAJ, K

HYPERFINE INTERACTIONS Volume: 35 Issue: 1-4 Pages: 903-906 Published: APR 1987

763. TEMPERATURE-DEPENDENCE OF EFG AT THE FE-SITE IN CO(EN)<sub>3</sub>FE(CN)<sub>6</sub>  
By: DAS, S; GANGULI, S; BHATTACHARYA, M  
HYPERFINE INTERACTIONS Volume: 35 Issue: 1-4 Pages: 935-938 Published: APR 1987
764. STRUCTURAL STUDIES ON MOLECULAR-COMPLEXES .1. CRYSTAL AND MOLECULAR-STRUCTURE OF 9-AMINOACRIDINE-SULFAMETHOXYPYRIDAZINE (1-1), C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>.C<sub>11</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>S  
By: GHOSE, S; CHAKRABARTI, C; DATTA GUPTA, JK  
JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 17 Issue: 2 Pages: 197-206 Published: APR 1987
765. EXPLICIT AUTO-BACKLUND RELATION THROUGH GAUGE TRANSFORMATION  
By: KUNDU, A  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 20 Issue: 5 Pages: 1107-1114 Published: APR 1 1987
766. STRUCTURE OF 4-PHTHALIMIDO-N-(1,3-THIAZOL-2-YL)BENZENESULFONAMIDE  
By: GHOSH, M; BASAK, AK; ROY, PN; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages: 732-734 Part: 4 Published: APR 15 1987
767. STRUCTURE OF N'-(6-METHOXY-3-PYRIDAZINYL)SULFANILAMIDE (SULFAMETHOXYPYRIDAZINE)  
By: BASAK, AK; MAZUMDAR, SK; CHAUDHURI, S  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages: 735-738 Part: 4 Published: APR 15 1987
768. NONTRAPPING SELF-AVOIDING WALKS GENERATED BY CLUSTER-GROWTH PROCESSES  
By: MANNA, SS  
PHYSICAL REVIEW A Volume: 35 Issue: 8 Pages: 3582-3585 Published: APR 15 1987
769. A SIMPLE MASS SEPARATOR FOR RADIOACTIVE ISOTOPES  
By: KARMOHAPATRO, SB  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 26 Issue: 1-3 Pages: 34-36 Published: MAY 1987
770. C-12(HE-4,HI) REACTION AT 33.8 MEV  
By: GANGULY, AK; CHAUDHURI, B; BALIGA, BB  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 97 Issue: 5 Pages: 639-645 Published: MAY 1987
771. RESISTANCE AND SPECTRAL DIMENSION OF SELF-AVOIDING WALKS WITH LOCAL BRIDGES  
By: MANNA, SS; ROY, AK  
PHYSICAL REVIEW A Volume: 35 Issue: 9 Pages: 4023-4026 Published: MAY 1 1987
772. H-2 NMR-STUDIES OF STRUCTURAL PHASE-TRANSITIONS IN SOME MEMBERS OF THE DEUTERATED ABF<sub>6</sub>.6H<sub>2</sub>O SYSTEM

By: BOSE, M; ROY, K; GHOSHRAY, A

PHYSICAL REVIEW B Volume: 35 Issue: 13 Pages: 6619-6626 Published: MAY 1 1987

773. PHASE-TRANSITION STUDIES OF PARAMAGNETIC CRYSTALS AT LOW-TEMPERATURES

By: ROY, SKD; GHOSH, B

PRAMANA Volume: 28 Issue: 5 Pages: 573-581 Published: MAY 1987

774. SPONTANEOUS RELEASE OF MALONDIALDEHYDE FROM ULTRAVIOLET-LIGHT EXPOSED LIPOSOMAL MEMBRANES

By: AGARWAL, S; GHOSH, A; CHATTERJEE, SN

ZEITSCHRIFT FUR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES Volume: 42 Issue: 5 Pages: 585-588 Published: MAY 1987

775. INVARIANCE OF FERMION DETERMINANT UNDER LARGE GAUGE TRANSFORMATIONS

By: BANERJEE, H; BHATTACHARYA, G; BHATTACHARYYA, JS

PHYSICS LETTERS B Volume: 189 Issue: 4 Pages: 431-434 Published: MAY 14 1987

776. STRUCTURE OF 4-(4-METHOXYPHENYL)THIOSEMICARBAZIDE

By: CHATTOPADHYAY, D; BANERJEE, T; MAJUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages: 974-977 Part: 5 Published: MAY 15 1987

777. IDENTICAL PHASE-SPACE CONSTRAINT STRUCTURE OF 3-DIMENSIONAL QED WITH OR WITHOUT THE CHERN-SIMONS TERM

By: SENGUPTA, M; BHATTACHARYYA, JS; BANERJEE, H

PHYSICAL REVIEW D Volume: 35 Issue: 10 Pages: 3270-3271 Published: MAY 15 1987

778. CORRELATED EFFECTIVE FIELD-THEORY FOR ORBITALLY UNQUENCHED MAGNETIC SYSTEMS

By: MUKHOPADHYAY, S; CHATTERJEE, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 67 Issue: 2 Pages: 221-226 Published: JUN 1987

779. DIRECTED SELF-AVOIDING POLYGONS

By: MANNA, SS

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 20 Issue: 8 Pages: 2227-2231 Published: JUN 1 1987

780. FUNCTIONAL STOCHASTIC QUANTIZATION OF GAUGE-THEORIES

By: CHATTERJEE, A; GANGOPADHYAY, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 6 Pages: L97-L101 Published: JUN 1987

781. SCANNING ELECTRON-MICROSCOPY OBSERVATION OF HIGH-ENERGY ALPHA-BOMBARDED MOLYBDENUM SURFACES

By: NAIDU, SV; SEN, P

MATERIALS SCIENCE AND ENGINEERING Volume: 90 Pages: 45-49 Published: JUN 1987

782. STUDY OF THE AGGREGATION BEHAVIOR OF DI(2-ETHYL HEXYL)PHOSPHORIC ACID IN HEPTANE IN THE PRESENCE OF WATER

By: BHATTACHARYYA, SN; GANGULY, B

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 118 Issue: 1 Pages: 15-19 Published: JUL 1987

783. ON THE MOLECULAR FORCES (S=O-CLOSE CONTACT, -S=C<sub>6</sub>H<sub>4</sub>=NH<sub>2</sub> THROUGH-CONJUGATION, N-LONE PAIR EFFECT AND NH=N-HYDROGEN BONDS) OBSERVED IN THE CRYSTAL-STRUCTURE OF 2(4-AMINO-BENZOSULFONIMIDO)-5-METHYL-3H-1,3,4-THIADIAZOLE

By: FULOP, V; KALMAN, A; BASAK, AK; et al.

JOURNAL OF MOLECULAR STRUCTURE Volume: 159 Issue: 3-4 Pages: 303-310 Published: JUL 1987

784. INELASTIC-SCATTERING OF ANTIPROTONS BY C-12

By: MAHALANABIS, J

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 7 Pages: 925-931 Published: JUL 1987

785. A NEW ESTIMATE OF BREAK-UP IN DEUTERON-INDUCED REACTIONS

By: ROY, TK; MUKHERJEE, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 7 Pages: 957-966 Published: JUL 1987

786. STRUCTURE OF BENZYL DIMETHYL(PHENYL)AMMONIUM CHLORIDE MONOHYDRATE

By: CHAUDHURI, S; BANERJEE, T; PURKAYASTHA, MKD; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages: 1386-1388 Part: 7 Published: JUL 15 1987

787. THERMODYNAMICS OF B-Z TRANSITION IN SUPERCOILED DNA

By: SEN, S; MAJUMDAR, R

NUCLEIC ACIDS RESEARCH Volume: 15 Issue: 14 Pages: 5863-5871 Published: JUL 24 1987

788. LATE-TIME NEUTRINO HEATING AND ENERGETICS OF STALLED SHOCKS IN TYPE-II SUPERNOVAE

By: RAY, A; KAR, K

ASTROPHYSICAL JOURNAL Volume: 319 Issue: 1 Pages: 143-148 Part: 1 Published: AUG 1 1987

789. AN APPROXIMATE FORMULA FOR BACKWARD OPTICAL-SCATTERING FROM SOFT SPHERICAL OBSTACLES

By: SHARMA, SK; SHARMA, S; SOMERFORD, DJ

JOURNAL OF MODERN OPTICS Volume: 34 Issue: 8 Pages: 1077-1084 Published: AUG 1987

790. MICROWAVE SPECTRAL STUDY OF 2-FLUOROBENZONITRILE

By: DUTTA, A; JAMAN, AI; NANDI, RN

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 124 Issue: 2 Pages: 486-488 Published: AUG 1987

791. NUCLEON-NUCLEON-SCATTERING IN EXCITED NUCLEI

By: DE, A; RAY, S; GHOSH, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 8 Pages: 1047-1059  
Published: AUG 1987

792. GENERAL SOLITON AND POLARON SOLUTIONS IN THE CONTINUUM POLYACETYLENE MODEL THROUGH INVERSE SCATTERING TECHNIQUE

By: KUNDU, A

PHYSICA A Volume: 144 Issue: 2-3 Pages: 418-429 Published: AUG 1987

793. DYNAMIC SYMMETRY AND EXACT SOLVABILITY

By: GHOSH, G; ROY, TK; GANGOPADHYAY, R

PHYSICAL REVIEW A Volume: 36 Issue: 3 Pages: 1449-1451 Published: AUG 1 1987

794. A VIABLE ALTERNATIVE TO THE UNITARY-GROUP APPROACH IN QUANTUM-CHEMISTRY

By: MUKHOPADHYAY, A

PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-CHEMICAL SCIENCES Volume: 99 Issue: 1-2  
Pages: 29-37 Published: AUG 1987

795. DESIGN CONSIDERATIONS OF AN EXTERNAL ELECTROSTATIC DEFLECTOR SYSTEM FOR A CYCLOTRON BEAM

By: RAY, R; DATTA, AK

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 20 Issue: 8 Pages: 994-997 Published: AUG 14 1987

796. STRUCTURE OF THIAMPHENICOL, D-THREO-2,2-DICHLORO-N-(2-HYDROXY-1-(HYDROXYMETHYL)-2-[4-(METHYLSULFONYL)PHENYL]ETHYL)ACETAMIDE

By: GHOSH, M; BASAK, AK; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 43 Pages: 1552-1555 Part: 8 Published: AUG 15 1987

797. GREEN-FUNCTION FOR THE SCALAR FIELD IN THE EARLY UNIVERSE

By: CHOWDHURY, A; MALLIK, S

PHYSICAL REVIEW D Volume: 36 Issue: 4 Pages: 1259-1262 Published: AUG 15 1987

798. SUPERCONDUCTIVITY IN Y-BA-CU-O SYSTEMS

By: MANDAL, P; PODDAR, A; CHOUDHURY, P; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 20 Issue: 23 Pages: L553-L557 Published: AUG 20 1987

799. HAMILTONIAN-FORMULATION OF MAGNETIC-FIELD LINE EQUATIONS

By: JANAKI, MS; GHOSH, G

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 20 Issue: 12 Pages: 3679-3685  
Published: AUG 21 1987

800. PRIMARY CURRENT-DENSITY DEPENDENCE OF SECONDARY ION EMISSION FROM CU, MO AND TI SURFACES

By: RAY, N; CHAKRABORTY, P; DEY, SD

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 25 Issue: 9 Pages: 319-322 Published: SEP 1987

801. ENERGY-DEPENDENCE OF THE SPUTTERING YIELD OF GALLIUM-ARSENIDE BY ARGON ION-BOMBARDMENT

By: BHATTACHARYA, SR; GHOSE, D; BASU, D

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 25 Issue: 9 Pages: 328-330 Published: SEP 1987

802. DIELECTRIC-BREAKDOWN IN THE PRESENCE OF RANDOM CONDUCTORS

By: MANNA, SS; CHAKRABARTI, BK

PHYSICAL REVIEW B Volume: 36 Issue: 7 Pages: 4078-4081 Published: SEP 1 1987

803. ANGULAR-MOMENTUM SATURATION IN THE BI-209(ALPHA,2N) REACTION

By: MUKHERJEE, P; MUKHERJEE, I; SEN, P; et al.

PHYSICAL REVIEW C Volume: 36 Issue: 3 Pages: 1197-1199 Published: SEP 1987

804. SUPERCONDUCTIVITY IN Y<sub>0.1</sub>GD<sub>0.9</sub>BA<sub>2</sub>CU<sub>3</sub>O<sub>8</sub>-DELTA AND HOBA<sub>2</sub>CU<sub>3</sub>O<sub>8</sub>-DELTA SYSTEMS

By: PODDAR, A; MANDAL, P; CHOUDHURY, P; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 20 Issue: 26 Pages: L669-L672 Published: SEP 20 1987

805. DEUTERON BREAK-UP CONTRIBUTION TO STRIPPING AND PICK-UP REACTIONS

By: ROY, TK; MUKHERJEE, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 10 Pages: 1239-1259  
Published: OCT 1987

806. ROLE OF BARRIER ON SPIN ORIENTATION IN NUCLEUS NUCLEUS COLLISIONS

By: SAMADDAR, SK; KRISHAN, K; DE, JN

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 10 Pages: L231-L234  
Published: OCT 1987

807. SHAPE EVOLUTION IN COLLISION BETWEEN VERY HEAVY-IONS AND POTENTIAL POCKETS

By: SAMADDAR, SK; BANERJEE, AK; SAMANTA, BC

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 13 Issue: 10 Pages: L223-L229  
Published: OCT 1987

808. SPECTATOR RECOIL AND NUCLEON EMISSION-SPECTRA IN INTERMEDIATE-ENERGY NUCLEAR COLLISIONS

By: BANDOPADHYAY, D; SAMADDAR, SK; KRISHAN, K; et al.

PHYSICS LETTERS B Volume: 196 Issue: 4 Pages: 424-428 Published: OCT 15 1987

809. THE TRAVELING SALESMAN PROBLEM ON A RANDOMLY DILUTED LATTICE

By: DHAR, D; BARMA, M; CHAKRABARTI, BK; et al.

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 20 Issue: 15 Pages: 5289-5298

Published: OCT 21 1987

810. DEVELOPMENT OF A SIEVERTS TYPE GAS DOPING APPARATUS

By: BANDYOPADHYAY, B; GHOSHRAY, A; CHATTERJEE, N

BULLETIN OF MATERIALS SCIENCE Volume: 9 Issue: 4 Pages: 305-308 Published: NOV 1987

811. A GAUGE-VARIATIONAL CALCULATION OF MOLECULAR DIAMAGNETIC SUSCEPTIBILITY

By: SINHA, SK; GHOSH, R

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 32 Issue: 5 Pages: 575-589

Published: NOV 1987

812. CHEMICAL ENHANCEMENT OF SECONDARY ION EMISSION FROM CD+ ION BOMBARDED MO, TI, AL AND CU SURFACES

By: RAY, N; CHAKRABORTY, P; DEY, SD

JOURNAL OF NUCLEAR MATERIALS Volume: 150 Issue: 3 Pages: 331-338 Published: NOV 1987

813. MITOMYCIN-INDUCED PROPHAGE INDUCTION IN VIBRIO-CHOLERAEE CELLS

By: MANDAL, D; CHATTERJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 24 Issue: 6 Pages: 305-307 Published:

DEC 1987

814. CRYSTAL AND MOLECULAR-STRUCTURE OF PARA-AMINOBENZENE SULFONACETAMIDE SODIUM [SULFACETAMIDE SODIUM] MONOHYDRATE

By: GHOSH, M; BASAK, AK; MAZUMDAR, SK

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 17 Issue: 6 Pages: 739-749 Published: DEC 1987

815. ELECTRONIC-STRUCTURE OF DISORDERED BINARY ALLOY SURFACES IN THE PRESENCE OF SHORT-RANGE ORDER WITHIN THE CLUSTER BETHE LATTICE APPROACH

By: KARMAKAR, SN

JOURNAL OF PHYSICS F-METAL PHYSICS Volume: 17 Issue: 12 Pages: 2411-2420 Published: DEC 1987

816. HIGH-SPIN STATES IN CR-52 AND MN-52

By: BANERJEE, P; SETHI, B; CHATTERJEE, JM; et al.

PHYSICAL REVIEW C Volume: 36 Issue: 6 Pages: 2274-2285 Published: DEC 1987

817. 3S<sub>1/2</sub> SPECTROSCOPIC STRENGTH DISTRIBUTION IN TL-207 AND TL-205

By: MUKHERJEE, P; SAMANTA, C; MUKHERJEE, I



PHYSICAL REVIEW C Volume: 36 Issue: 6 Pages: 2618-2620 Published: DEC 1987

818. SPECTRAL DISTRIBUTION CALCULATIONS USING WILDENTHAL UNIVERSAL SD INTERACTION

By: SARKAR, S; KAR, K; KOTA, VKB

PHYSICAL REVIEW C Volume: 36 Issue: 6 Pages: 2700-2703 Published: DEC 1987

819. SPECTRUM OF THE HIGH-SPIN NEUTRON HOLE STATES OF PB-205

By: MAJUMDAR, R

PRAMANA Volume: 29 Issue: 6 Pages: 577-581 Published: DEC 1987

820. STRUCTURAL INSTABILITIES OF DLA-LIKE FRACTALS AT FINITE TEMPERATURES

By: PAL, B; MANNA, SS; CHAKRABARTI, BK

SOLID STATE COMMUNICATIONS Volume: 64 Issue: 10 Pages: 1309-1311 Published: DEC 1987

821. TARGET DEPENDENCE OF PRODUCTION CROSS-SECTIONS IN HIGH-ENERGY HADRON-NUCLEUS COLLISIONS

By: RAHA, S; SINHA, B

PHYSICS LETTERS B Volume: 198 Issue: 4 Pages: 543-546 Published: DEC 3 1987

822. SUPERCONDUCTIVITY IN YBA<sub>2</sub>CU<sub>3</sub>-YZNYO<sub>7</sub>-X, YBAZCU<sub>3</sub>-YNIYO<sub>7</sub>-X, YBAZCU<sub>3</sub>-YCOYO<sub>7</sub>-X SYSTEMS

By: MANDAL, P; PODDAR, A; CHOUDHURY, P; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 20 Issue: 35 Pages: L953-L957 Published: DEC 20 1987

823. LIPOSOMES AS MEMBRANE MODEL FOR STUDY OF LIPID-PEROXIDATION

By: CHATTERJEE, SN; AGARWAL, S

RADICAL BIOLOGY AND MEDICINE Volume: 4 Issue: 1 Pages: 51-72 Published: 1988

824. A MEAN FIELD MODEL FOR THE PHASE-DIAGRAM OF A DISCOTIC LIQUID-CRYSTALLINE SYSTEM

By: GHOSE, D; BOSE, TR; ROY, MK; et al.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 154 Pages: 119-125 Published: 1988

825. BAND-STRUCTURE IN PR-133, PR-135

By: GOSWAMI, A; BHATTACHARYA, S; SAHA, M; et al.

PHYSICAL REVIEW C Volume: 37 Issue: 1 Pages: 370-375 Published: JAN 1988

826. CHARGE-TRANSFER COMPLEX BETWEEN METHYLVIIOLOGEN AND FERROCYANIDE

By: ADITYA, S

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 44 Issue: 10 Pages: 941-942 Published: 1988

827. CRYSTAL-STRUCTURES AND PHASE-TRANSITIONS IN MNTIF<sub>6</sub>.6H<sub>2</sub>O AND ZNTIF<sub>6</sub>.6H<sub>2</sub>O

By: CHATTOPADHYAY, T; DEVREUX, F; PETERS, K; et al.

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 182 Issue: 1-4 Pages: 52-55 Published: 1988

828. UTILITY OF A GLOBAL SET OF POTENTIAL PARAMETERS FROM THE ORBIT RADII MEASUREMENTS OF VALENCE NUCLEONS

By: BHATTACHARYA, R

ZEITSCHRIFT FUR PHYSIK A-HADRONES AND NUCLEI Volume: 330 Issue: 1 Pages: 1-3 Published: 1988

829. PHASE-FACTORS, POINT-SPLITTING REGULARISATION AND CHIRAL ANOMALIES

By: BANERJEE, R; BANERJEE, H

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 39 Issue: 1 Pages: 89-99 Published: 1988

830. POINT-SPLITTING ANALYSIS OF COMMUTATOR ANOMALIES IN NON-ABELIAN CHIRAL GAUGE-THEORIES

By: GHOSH, S; BANERJEE, R

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 41 Issue: 1 Pages: 121-127 Published: 1988

831. PERCOLATION UNDER A SPIRALLING CONSTRAINT

By: RAY, P; BOSE, I

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 2 Pages: 555-559 Published: JAN 21 1988

832. BERRY PHASE AS THE ASYMPTOTIC LIMIT OF AN EXACT EVOLUTION - AN EXAMPLE

By: ENGINEER, MH; GHOSH, G

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 2 Pages: L95-L98 Published: JAN 21 1988

833. BOND-ORDER CONSERVATION MODEL STUDIES OF METHANATION AND FISCHER-TROPSCH SYNTHESIS ON NI-CU ALLOYS

By: KHANRA, BC; MODAK, S

CHEMICAL PHYSICS LETTERS Volume: 143 Issue: 4 Pages: 390-394 Published: JAN 22 1988

834. BREAKDOWN EXPONENTS IN LATTICE AND CONTINUUM PERCOLATION

By: CHAKRABARTI, BK; ROY, AK; MANNA, SS

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 3 Pages: L65-L68 Published: JAN 30 1988

835. RAMAN-STUDY OF THE HIGH-TC SUPERCONDUCTORS  $ABa_2Cu_3O_{7-x}$  ( $A = Y, HO, Y_{0.1}Gd_{0.9}$  AND  $Y_{0.9}Sm_{0.1}$ )

By: CHOUDHURY, P; SUKLA, AK; MAVI, HS; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 3 Pages: L41-L45 Published: JAN 30 1988

836. ANNEALING OF ELECTRON-IRRADIATED GAP STUDIED BY POSITRON LIFETIME TECHNIQUE

By: SANGUPTA, A; MOSER, P; CORBEL, C; et al.

CRYSTAL RESEARCH AND TECHNOLOGY Volume: 23 Issue: 2 Pages: 243-246 Published: FEB 1988

837. MEMBRANE LIPID-PEROXIDATION AND ITS PATHOLOGICAL CONSEQUENCES

By: CHATTERJEE, SN; AGARWAL, S; JANA, AK; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 25 Issue: 1-2 Pages: 25-31 Published: FEB-APR 1988

838. OFF-SHELL BEHAVIOR OF S-32(N,N)S-32 TOTAL CROSS-SECTION AND S-32(D,P)S-33 REACTION TO THE CONTINUUM

By: SHYAM, R

PRAMANA Volume: 30 Issue: 2 Pages: 115-127 Published: FEB 1988

839. INTEGRABILITY OF CLASSICAL AND SEMICLASSICAL DERIVATIVE NON-LINEAR SCHRODINGER-EQUATION WITH NON-ULTRALOCAL CANONICAL STRUCTURE

By: KUNDU, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 4 Pages: 945-953  
Published: FEB 21 1988

840. ROOTED SPIRAL TREES IN DIMENSIONS 2, 3 AND 4

By: BOSE, I; RAY, P; DHAR, D

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 4 Pages: L219-L225  
Published: FEB 21 1988

841. A NON-SCALING HYDRODYNAMIC MODEL FOR RELATIVISTIC HEAVY-ION COLLISIONS .1.

By: BANERJEE, H; BISWAS, A; SYAM, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 14 Issue: 3 Pages: 309-319  
Published: MAR 1988

842. MODIFIED RAYLEIGH-GANS-DEBYE APPROXIMATIONS APPLIED TO SIZING TRANSPARENT HOMOGENEOUS LONG FIBERS OF INTERMEDIATE SIZE

By: SHARMA, SK; SOMERFORD, DJ

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 21 Issue: 3 Pages: 403-406 Published: MAR 14 1988

843. INDUCED FERMIONIC CHARGE IN BACKGROUND GAUGE-THEORIES IN ODD SPACE-TIME DIMENSIONS

By: BANERJEE, H; BHATTACHARYA, G; BHATTACHARYYA, JS

PHYSICAL REVIEW D Volume: 37 Issue: 6 Pages: 1706-1708 Published: MAR 15 1988

844. THE BERRY PHASE AND THE HANNAY ANGLE

By: GHOSH, G; DUTTARROY, B

PHYSICAL REVIEW D Volume: 37 Issue: 6 Pages: 1709-1711 Published: MAR 15 1988

845. CRYSTAL-STRUCTURE AND PHASE-TRANSITIONS IN MNTIF<sub>6</sub>.6H<sub>2</sub>O AND ZNTIF<sub>6</sub>.6H<sub>2</sub>O

By: CHATTOPADHYAY, T; DEVREUX, F; PETERS, K; et al.

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 8 Pages: 1321-1334 Published: MAR 20 1988

846. THE TRAVELING SALESMAN PROBLEM ON A DILUTE LATTICE - A SIMULATED ANNEALING STUDY  
By: GHOSH, M; MANNA, SS; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 6 Pages: 1483-1486  
Published: MAR 21 1988

847. EFFECTS OF THE NATURE OF INDEX PROFILE ON THE VALIDITY OF THE EIKONAL APPROXIMATION  
By: SHARMA, SK; GHOSH, G; ROY, TK

JOURNAL OF MODERN OPTICS Volume: 35 Issue: 4 Pages: 703-710 Published: APR 1988

848. SURFACE EROSION STUDY OF ALPHA-BOMBARDED MOLYBDENUM BY SCANNING ELECTRON-MICROSCOPY

By: NAIDU, SV; SEN, P

MATERIALS SCIENCE AND ENGINEERING Volume: 100 Pages: 187-191 Published: APR 1988

849. TRICRITICAL BEHAVIOR IN CORRELATED EFFECTIVE FIELD-THEORY

By: MUKHOPADHYAY, S; CHATTERJEE, I

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 146 Issue: 2 Pages: 717-721 Published: APR 1988

850. SOFT SUPERSYMMETRY BREAKING IN SUPERSTRING-BASED LOW-ENERGY SUPERGRAVITY

By: MAJUMDAR, P; SENGUPTA, S

PHYSICS LETTERS B Volume: 203 Issue: 4 Pages: 400-402 Published: APR 7 1988

851. F-19 NUCLEAR MAGNETIC-RESONANCE STUDIES IN THE PARAMAGNETIC PHASE OF THE PLANAR ANTIFERROMAGNET CSFEF<sub>4</sub>

By: GHOSHRAY, K; GHOSHRAY, A; CHATTERJEE, N

JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 11 Pages: 2247-2254 Published: APR 20 1988

852. PRECONCENTRATION OF RARE-EARTHS IN GEOLOGICAL-MATERIALS WITH ASCORBIC-ACID FOR THEIR NEUTRON-ACTIVATION ANALYSIS

By: DAS, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 122 Issue: 1 Pages: 13-18 Published: MAY 1988

853. STUDIES ON THE EFFECT OF SURFACE SEGREGATION ON HYDROCARBON CONVERSION OVER CU-NI ALLOYS

By: MODAK, S; KHANRA, BC

SURFACE SCIENCE Volume: 199 Issue: 1-2 Pages: 361-370 Published: MAY 1988

854. SELECTIVE ION HEATING BY ENERGETIC ION-BEAM INJECTION INTO A PLASMA

By: SAHA, SK; SENGUPTA, SN

PHYSICS LETTERS A Volume: 129 Issue: 1 Pages: 33-37 Published: MAY 2 1988

855. SURFACE CORE-LEVEL BINDING-ENERGY SHIFTS IN HYDROGEN-ADSORBED NICKEL COPPER ALLOY  
By: KHANRA, BC; MODAK, S

CHEMICAL PHYSICS LETTERS Volume: 146 Issue: 5 Pages: 456-458 Published: MAY 13 1988

856. EXCITATION-FUNCTION OF (P,PN) REACTIONS AT HIGH-ENERGY

By: BANIK, S

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 26 Issue: 6 Pages: 387-391 Published: JUN 1988

857. INDUCTION OF REPAIR FUNCTIONS BY HYDROGEN-PEROXIDE IN CHINESE-HAMSTER CELLS

By: SENGUPTA, S; BHATTACHARJEE, SB

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 53 Issue: 6 Pages: 935-942 Published: JUN 1988

858. THE ANHARMONIC VIBRATOR MODEL AND THE ELECTROMAGNETIC PROPERTIES OF THE GROUND-STATE BANDS OF EVEN EVEN NUCLEI

By: BHATTACHARYA, S; SEN, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 14 Issue: 6 Pages: 717-723  
Published: JUN 1988

859. GAMOW-TELLER STRENGTH SUMS FOR NUCLEI IN THE FP SHELL

By: SARKAR, S; KAR, K

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 14 Issue: 6 Pages: L123-L129  
Published: JUN 1988

860. SUPERCONDUCTIVITY IN  $AB_2Cu_3O_{7-x}$  COMPOUNDS, WHERE  $A = (R_1)_x(R_2)_{1-x}$  AND  $R_1, R_2 = Y, SM, EU, GD, TB, DY, YB, ZR, NB$  AND  $LA$

By: PODDAR, A; MANDAL, P; CHOUDHURY, P; et al.

PHYSICA C Volume: 153 Pages: 924-925 Part: 1 Published: JUN 1988

861. NUCLEAR-EXCITATION AND PRECOMPOUND NUCLEAR-REACTIONS

By: DE, A; RAY, S; GHOSH, SK

PHYSICAL REVIEW C Volume: 37 Issue: 6 Pages: 2441-2450 Published: JUN 1988

862. DECAY OF 3 SEC HO-160(M)

By: BHOWMIK, RK; CHAKRABARTI, A; SAHA, SK; et al.

PHYSICAL REVIEW C Volume: 37 Issue: 6 Pages: 2894-2897 Published: JUN 1988

863. REALISTIC ESTIMATES FOR PROMPTLY EMITTED PARTICLES

By: BHATTACHARYA, S; KRISHAN, K; SAMADDAR, SK; et al.

PHYSICAL REVIEW C Volume: 37 Issue: 6 Pages: 2916-2919 Published: JUN 1988

864. POSITRON-ANNIHILATION STUDIES IN THE HIGH-TEMPERATURE SUPERCONDUCTORS  
YBA<sub>2</sub>CU<sub>3</sub>O<sub>7-X</sub> AND HOBA<sub>2</sub>CU<sub>3</sub>O<sub>7-X</sub>  
By: MANDAL, P; PODDAR, A; NAMBISSAN, PMG; et al.  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 16 Pages: 3151-3157 Published:  
JUN 10 1988
865. STRUCTURE OF SALICYLALDEHYDE THIOSEMICARBAZONE  
By: CHATTOPADHYAY, D; MAZUMDAR, SK; BANERJEE, T; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 44 Pages:  
1025-1028 Part: 6 Published: JUN 15 1988
866. EQUIVALENCE BETWEEN THE THIRRING MODEL AND A DERIVATIVE-COUPPLING MODEL -  
COMMENT  
By: BANERJEE, R  
PHYSICAL REVIEW D Volume: 37 Issue: 12 Pages: 3778-3782 Published: JUN 15 1988
867. SUPERCONDUCTIVITY IN ABA<sub>2</sub>CU<sub>3</sub>O<sub>7-X</sub> COMPOUNDS, WHERE A = (R<sub>1</sub>)<sub>X</sub>(R<sub>2</sub>)<sub>1-X</sub> AND R<sub>1</sub>, R<sub>2</sub> = Y,  
SM, EU, GD, TB, DY, YB, ZR AND NB  
By: PODDAR, A; MANDAL, P; CHOUDHURY, P; et al.  
JOURNAL OF PHYSICS C-SOLID STATE PHYSICS Volume: 21 Issue: 17 Pages: 3323-3331 Published:  
JUN 20 1988
868. ENERGETIC PARTICLE-EMISSION FROM NUCLEAR CO-OPERATION  
By: KNOLL, J; SHYAM, R  
NUCLEAR PHYSICS A Volume: 483 Issue: 3-4 Pages: 711-720 Published: JUN 27 1988
869. APPROXIMATE FORMULAS FOR THE SCATTERING OF RADIATION FROM INFINITELY LONG  
HOMOGENEOUS RIGHT-CIRCULAR SOFT CYLINDERS  
By: SHARMA, SK; ROY, TK; SOMERFORD, DJ  
JOURNAL OF MODERN OPTICS Volume: 35 Issue: 7 Pages: 1213-1224 Published: JUL 1988
870. STRENGTH OF DISORDERED SOLIDS  
By: RAY, P; CHAKRABARTI, BK  
PHYSICAL REVIEW B Volume: 38 Issue: 1 Pages: 715-719 Published: JUL 1 1988
871. EXCITATION OF PURE ION BERNSTEIN WAVES BY THE INTERACTION OF AN ENERGETIC ION-BEAM  
WITH THE BEAM-CREATED PLASMA  
By: SAHA, SK; RAYCHAUDHURI, S; SENGUPTA, SN  
PLASMA PHYSICS AND CONTROLLED FUSION Volume: 30 Issue: 7 Pages: 893-906 Published: JUL  
1988
872. NEUTRON-GAMMA DISCRIMINATION BASED ON LEADING-EDGE SHAPE MEASUREMENT  
By: BOSE, S; CHATTERJEE, MB; SINHA, BK; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 270 Issue: 2-3 Pages: 487-  
491 Published: JUL 15 1988

873. ENERGY-DEPENDENT POTENTIAL IN NUCLEAR COLLISIONS

By: BANDYOPADHYAY, D; SAMADDAR, SK

NUCLEAR PHYSICS A Volume: 484 Issue: 2 Pages: 315-336 Published: JUL 18 1988

874. CHANGING STRUCTURE FUNCTIONS AND NUCLEAR SATURATION

By: CHAUDHURI, AK; RAHA, S; SINHA, B

PHYSICS LETTERS B Volume: 208 Issue: 3-4 Pages: 513-516 Published: JUL 21 1988

875. NON-MARKOVIAN FEATURES OF DEEPLY INELASTIC-COLLISIONS

By: PAL, D; CHATTOPADHYAY, S; KAR, K

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 14 Issue: 8 Pages: 1083-1091  
Published: AUG 1988

876. MEASUREMENT OF LIFETIMES OF THE TRANSITIONS IN CD-107,CD-109 USING THE DOPPLER-  
SHIFT ATTENUATION METHOD

By: CHATTERJEE, MB; BHATTACHARYA, R; BALIGA, BB

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 100  
Issue: 2 Pages: 239-248 Published: AUG 1988

877. EXCITED-STATES OF CE-139 FROM (P,N-GAMMA) REACTIONS ON LANTHANUM

By: CHATTERJEE, MB

PHYSICAL REVIEW C Volume: 38 Issue: 2 Pages: 625-629 Published: AUG 1988

878. NONCOMMUTATIVE ELECTRIC-FIELDS AND CONSISTENCY IN ANOMALOUS GAUGE-THEORIES

By: BANERJEE, R

PHYSICAL REVIEW LETTERS Volume: 61 Issue: 5 Pages: 514-516 Published: AUG 1 1988

879. LOWER HYBRID WAVE-PROPAGATION AND ABSORPTION IN INHOMOGENEOUS PLASMAS

By: CHOUDHURY, SR

PHYSICS OF FLUIDS Volume: 31 Issue: 8 Pages: 2206-2213 Published: AUG 1988

880. YANG-BAXTER RELATION FROM OPERATOR PRODUCT SINGULARITIES

By: BHATTACHARYA, G; GHOSH, S

PHYSICS LETTERS B Volume: 210 Issue: 1-2 Pages: 193-197 Published: AUG 18 1988

881. STATISTICAL MECHANICAL THEORY OF MELTING TRANSITION IN SUPERCOILED DNA

By: SEN, S; MAJUMDAR, R

BIOPOLYMERS Volume: 27 Issue: 9 Pages: 1479-1489 Published: SEP 1988

882. SUSCEPTIBILITY AND SPECIFIC-HEAT STUDIES ON THE DIRECTIONALLY ANISOTROPIC HEISENBERG  
ANTIFERROMAGNETS

By: DAS, AN; MANDAL, P; CHOUDHURY, P; et al.

PHYSICAL REVIEW B Volume: 38 Issue: 7 Pages: 4716-4724 Published: SEP 1 1988

883. RESIDUAL VELOCITY OF THE INCOMPLETELY FUSED SYSTEM AND MASS ASYMMETRY

By: KRISHAN, K; BHATTACHARYA, S; DE, JN; et al.

PHYSICS LETTERS B Volume: 211 Issue: 3 Pages: 269-271 Published: SEP 1 1988

884. SEMI-CLASSICAL APPROACH TO ANTIPROTON-NUCLEUS SCATTERING

By: DEY, B; SHASTRY, CS; ROY, TK

PRAMANA Volume: 31 Issue: 3 Pages: 173-184 Published: SEP 1988

885. AN APPROACH TO THE DEVELOPMENT OF A SMALL-SCALE LINEAR INDUCTION ACCELERATOR

By: RAY, R; DATTA, AK

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 21 Issue: 9 Pages: 1336-1341 Published: SEP 14 1988

886. ENTROPY SCALING IN HIGH-ENERGY COLLISIONS - CHAOS AND COHERENCE

By: CARRUTHERS, PA; PLUMER, M; RAHA, S; et al.

PHYSICS LETTERS B Volume: 212 Issue: 3 Pages: 369-374 Published: SEP 29 1988

887. BIOPHYSICAL PROPERTIES OF THE LYSOGENIC VIBRIO PHAGE KAPPA

By: SAMAD, SA; BHATTACHARYYA, SC; CHATTERJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 25 Issue: 5 Pages: 450-454 Published: OCT 1988

888. CRYSTAL AND MOLECULAR-STRUCTURE OF 2,2'-DI-N-METHYLAMINO-1,1'-DI-PARA-HYDROXYPHENYLDIETHYLENEETHER DIHYDROBROMIDE, (C<sub>9</sub>H<sub>12</sub>ON.HBR)<sub>2</sub>O

By: MUKHOPADHYAY, BP; DATTAGUPTA, JK

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 18 Issue: 5 Pages: 509-516 Published: OCT 1988

889. MAGNETIC-MOMENT OF THE DEUTERON AND QUARK DEGREES OF DOM

By: SHYAM, R; SHYAM, R; PHATAK, SC

PHYSICAL REVIEW C Volume: 38 Issue: 4 Pages: 1955-1957 Published: OCT 1988

890. METHOD FOR PRODUCING NEUTRAL AND NEGATIVE HYDROGEN PARTICLES APPLICABLE TO HOT PLASMA DIAGNOSIS

By: RAY, NR; SENGUPTA, SN

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 59 Issue: 10 Pages: 2158-2162 Published: OCT 1988

891. LARGE-SCALE COLLECTIVE MOTION IN HEAVY-ION COLLISIONS

By: BANERJEE, AK; SAMANTA, BC; SAMADDAR, SK

NUCLEAR PHYSICS A Volume: 487 Issue: 1 Pages: 175-194 Published: OCT 3 1988



892. STRUCTURAL STUDIES ON MOLECULAR-COMPLEXES .2. STRUCTURE OF AMINACRINE  
SULFADIMIDINE (1/1)  
By: GHOSE, S; CHAKRABARTI, C; DATTA GUPTA, JK; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 44 Pages:  
1810-1813 Part: 10 Published: OCT 15 1988

893. STUDY OF MAGNETIC-SUSCEPTIBILITY OF CENIAL AND ITS HYDRIDES  
By: BANDYOPADHYAY, B; GHOSH RAY, K; GHOSH RAY, A; et al.  
PHYSICAL REVIEW B Volume: 38 Issue: 12 Pages: 8455-8458 Published: OCT 15 1988  
14

894. SOLITON AND BREATHER STATES OF THE QUANTUM SINE-GORDON MODEL IN LIGHT-CONE  
COORDINATES THROUGH THE EXACT QIST METHOD  
By: KUNDU, A; GHOSH, S  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 20 Pages: 3951-3961  
Published: OCT 21 1988

895. EFFECT OF LOOPS ON SPIRAL LATTICE ANIMAL STATISTICS  
By: BOSE, I; RAY, P; MUKHOPADHYAY, S  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 21 Issue: 20 Pages: L979-L982  
Published: OCT 21 1988

896. COMMENTS ON THE ECKHAUS PDE  $I-\Psi-T+\Psi-XX+2([\Psi]^2)X\Psi+[\Psi]^4-\Psi=0$   
By: KUNDU, A  
INVERSE PROBLEMS Volume: 4 Issue: 4 Pages: 1143-1144 Published: NOV 1988

897. MAGNETIC-PROPERTIES OF LOW DIMENSIONAL COMPOUNDS  
By: BASAK, R; CHATTERJEE, I  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 75 Issue: 1-2 Pages: 68-70  
Published: NOV 1988

898. CONFORMATION, ELECTROSTATIC POTENTIAL AND PHARMACOPHORIC PATTERN OF GABA  
(GAMMA-AMINO BUTYRIC ACID) AND SEVERAL GABA INHIBITORS  
By: MAJUMDAR, D; GUHA, S  
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 49 Pages: 125-140 Published: NOV  
1988

899. SPIN DISPERSION AND ALIGNMENT IN DEEP INELASTIC-COLLISIONS  
By: KRISHAN, K; SAMADDAR, SK; DE, JN  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 14 Issue: 11 Pages: 1423-1430  
Published: NOV 1988

900. INFLUENCE OF NALIDIXIC-ACID ON KILLING AND MUTATION OF V79 CELLS EXPOSED TO  
DIFFERENT DAMAGING AGENTS  
By: GHOSH, R; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 202 Issue: 1 Pages: 71-75 Published: NOV 1988

901. MAGNETORESISTANCE AND THERMOELECTRIC-POWER OF THE BI-SR-CA-CU-O SYSTEM

By: MANDAL, P; PODDAR, A; DAS, AN; et al.

PHYSICAL REVIEW B Volume: 38 Issue: 13 Pages: 9205-9208 Published: NOV 1 1988

902. UNFAVORED ALLOWED BETA-DECAY OF THE 11/2- ISOMER OF ND-141

By: CHATTOPADHYAY, RK; SETHI, B; CHATTERJEE, JM; et al.

PHYSICAL REVIEW C Volume: 38 Issue: 5 Pages: 2435-2438 Published: NOV 1988

903. SOLVENT AND REVERSED-PHASE EXTRACTION CHROMATOGRAPHIC-SEPARATION OF NIOBIUM, ZIRCONIUM, AND HAFNIUM WITH ALIQUAT-336

By: DAS, NR; CHATTOPADHYAY, P

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 61 Issue: 12 Pages: 4423-4426 Published: DEC 1988

904. CRYSTAL AND MOLECULAR-STRUCTURE OF 4-(N,N-DIMETHYLAMINO) BENZALDEHYDE THIOSEMICARBAZONE

By: CHATTOPADHYAY, D; MAZUMDAR, SK; BANERJEE, T; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 18 Issue: 6 Pages: 701-712 Published: DEC 1988

905. THE EIKONAL PICTURE VERSUS THE HIGH-ENERGY APPROXIMATION IN OPTICAL-SCATTERING

By: SHARMA, SK; ROY, TK; SOMERFORD, DJ

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 21 Issue: 12 Pages: 1685-1691 Published: DEC 14 1988

906. THE STRUCTURE OF AN ALKALOID, PICRININE, FROM ALSTONIA-SCHOLARIS

By: GHOSH, R; ROYCHOWDHURY, P; CHATTOPADHYAY, D; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 44 Pages: 2151-2154 Part: 12 Published: DEC 15 1988

907. PHOTON AND DIMUON PAIRS IN AN EXPANDING QUARK-GLUON PLASMA

By: DATTA, B; RAHA, S; SINHA, B

NUCLEAR PHYSICS A Volume: 490 Issue: 3 Pages: 733-744 Published: DEC 26 1988

908. A MEAN FIELD MODEL FOR REENRANT POLYMORPHISM

By: BOSE, TR; GHOSE, D; ROY, MK; et al.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 172 Pages: 1-16 Published: 1989

909. AN ADAPTIVE RESPONSE OF VIBRIO-CHOLERAE STRAIN OGAWA-154 TO FURAZOLIDONE

By: BHATTACHARYA, R

MUTATION RESEARCH Volume: 225 Issue: 1-2 Pages: 43-47 Published: JAN-FEB 1989

910. UV-A INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE

By: BOSE, B; AGARWAL, S; CHATTERJEE, SN

RADIATION AND ENVIRONMENTAL BIOPHYSICS Volume: 28 Issue: 1 Pages: 59-65 Published: 1989

911. SOLVENT-EXTRACTION OF ZIRCONIUM(IV) FROM THIOCYANATE AND HYDROCHLORIC-ACID SOLUTIONS BY LIX-26 AND DOSO

By: MISHRA, PK; CHAKRAVORTTY, V; DASH, KC; et al.

RADIOCHIMICA ACTA Volume: 47 Issue: 4 Pages: 235-237 Published: 1989

912. EXCITATION-FUNCTIONS FOR MULTI-NUCLEON EMISSION IN HELIUM ION REACTIONS WITH AU-197

By: CHAKRAVARTY, N; SINGH, RJ; RATTAN, SS; et al.

RADIOCHIMICA ACTA Volume: 48 Issue: 1-2 Pages: 1-6 Published: 1989

913. THE CRYSTAL AND MOLECULAR-STRUCTURE OF HORDENINE SULFATE, (C<sub>10</sub>H<sub>16</sub>NO)<sub>2</sub>+SO<sub>4</sub>/2-.2H<sub>2</sub>O

By: GHOSE, S; DATTA GUPTA, JK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 187 Issue: 3-4 Pages: 213-220 Published: 1989

914. CRYSTAL AND MOLECULAR-STRUCTURE OF HORDENINE MONOHYDROGENPHOSPHATE DIHYDROGENPHOSPHATE MONOHYDRATE, 3C<sub>10</sub>H<sub>16</sub>ON+.HPO<sub>4</sub>-2.H<sub>2</sub>PO<sub>4</sub>-.H<sub>2</sub>O

By: MUKHOPADHYAY, BP; DATTA GUPTA, JK; SIMONETTA, M

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 187 Issue: 3-4 Pages: 221-229 Published: 1989

915. INCLUSIVE MEASUREMENTS OF THE BREAK-UP OF 156 MEV LI-6-IONS AT EXTREME FORWARD ANGLES

By: JELITTO, H; BUSCHMANN, J; CORCALCIUC, V; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 332 Issue: 3 Pages: 317-330  
Published: 1989

916. THE DISTRIBUTION OF TI-205 PROTON HOLE STATES AND ESTIMATION OF THE ROOT MEAN-SQUARE RADII OF PB-206 AND PB-208 FROM THEIR CHARGE-DISTRIBUTIONS

By: MAJUMDAR, R; BHATTACHARYA, R

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 332 Issue: 4 Pages: 371-373  
Published: 1989

917. CORIOLIS ATTENUATION IN THE RARE-EARTH REGION

By: SAHA, M; BHATTACHARYA, S; GOSWAMI, A; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 332 Issue: 4 Pages: 383-390  
Published: 1989

918. RANDOM-WALK ON A SELF-AVOIDING WALK WITH SUPERCONDUCTING LOCAL BRIDGES

By: BHAN, HL; BHAT, VK; SINGH, Y; et al.

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 74 Issue: 3 Pages: 389-393  
Published: 1989

919. GAUGE-THEORY OF SU(2) WEYL FERMION - IS IT CONSISTENT  
By: BANERJEE, H; BHATTACHARYA, G; BANERJEE, R  
ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 45 Issue: 2 Pages: 253-260 Published:  
1989
920. LIFETIME MEASUREMENT OF SOME LEVELS BELONGING TO 3P(4)4P CONFIGURATION OF AR-II  
By: DAS, MB; BHATTACHARYA, R  
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS Volume: 14 Issue: 1 Pages: 25-28  
Published: 1989
921. EFFECT OF BREAK-UP CHANNELS ON (D, PN) COINCIDENCE CROSS-SECTION IN POST FORM  
BREAK-UP THEORIES  
By: SHYAM, R; ROY, TK; MUKHERJEE, S  
NUCLEAR PHYSICS A Volume: 491 Issue: 2 Pages: 227-245 Published: JAN 9 1989
922. ALGEBRAIC BETHE ANSATZ SCHEME FOR RELATIVISTIC INTEGRABLE FIELD-THEORIES IN  
CONTINUUM-GORDON - SINE-GORDON MODEL  
By: BHATTACHARYA, G; GHOSH, S  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 4 Issue: 3 Pages: 627-647 Published:  
FEB 1989
923. TRAVELING SALESMAN PROBLEM ON DILUTE LATTICES - VISIT TO A FRACTION OF CITIES  
By: SEN, P; CHAKRABARTI, BK  
JOURNAL DE PHYSIQUE Volume: 50 Issue: 3 Pages: 255-261 Published: FEB 1 1989
924. CRYSTAL AND MOLECULAR-STRUCTURE OF DIAQUA-BIS-(3,5-DIMETHYL-1-GUANYL PYRAZOLE)  
NICKEL (II) NITRATE,  $[Ni(C_6N_4H_{10})_2(H_2O)_2](NO_3)_2$   
By: PODDER, A; MUKHOPADHYAY, BP; SAHA, N; et al.  
JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 19 Issue: 1 Pages: 71-  
76 Published: FEB 1989
925. INCOMPRESSIBILITY OF ASYMMETRIC NUCLEAR-MATTER  
By: SAMANTA, C; BANDYOPADHYAY, D; DE, JN  
PHYSICS LETTERS B Volume: 217 Issue: 4 Pages: 381-385 Published: FEB 2 1989
926. EXACT LOCAL GREEN-FUNCTION FOR PHONONS IN A FIBONACCI CHAIN - A NEW REAL-SPACE  
RENORMALIZATION-GROUP APPROACH  
By: CHAKRABARTI, A; KARMAKAR, SN; MOITRA, RK  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 1 Issue: 5 Pages: 1017-1023 Published: FEB 6  
1989
927. LEVINSON-TYPE THEOREM FOR THE KORTEWEG DE VRIES SYSTEM AND ITS CONSEQUENCES  
By: MALLICK, BB; KUNDU, A  
PHYSICS LETTERS A Volume: 135 Issue: 2 Pages: 113-116 Published: FEB 13 1989

928. STRUCTURE OF 1-(3,4-DICHLOROPHENYL)-4-METHYLTHIOSEMICARBAZIDE  
By: CHATTOPADHYAY, D; MAZUMDAR, SK; BANERJEE, T; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 45 Pages:  
314-317 Part: 2 Published: FEB 15 1989
929. FUNCTIONAL INTEGRAL FOR WEYL FERMIONS AND THE EFFECTIVE ACTION - COMMENT  
By: BANERJEE, R; BANERJEE, H  
PHYSICAL REVIEW D Volume: 39 Issue: 4 Pages: 1254-1256 Published: FEB 15 1989
930. THE ELECTRONIC DENSITY OF STATES OF AN INFINITE ONE-DIMENSIONAL FIBONACCI CHAIN  
By: KARMAKAR, SN; CHAKRABARTI, A; MOITRA, RK  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 1 Issue: 8 Pages: 1423-1428 Published: FEB  
27 1989
931. THE TRANSVERSE SUSCEPTIBILITY IN THE LINEAR XY-MODEL  
By: BASAK, R; CHATTERJEE, I  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 1 Issue: 8 Pages: 1475-1479 Published: FEB  
27 1989
932. INFLUENCE OF BENZAMIDE ON KILLING AND MUTATION OF DENSITY-INHIBITED V79 CELLS BY  
MNNG  
By: DATTA, RG; BHATTACHARJEE, SB  
MUTATION RESEARCH Volume: 225 Issue: 3 Pages: 137-141 Published: MAR 1989
933. POSITRON-ANNIHILATION AND SCANNING ELECTRON-MICROSCOPY STUDIES OF ALPHA-  
IRRADIATED ALUMINUM CRYSTALS  
By: SEN, P; NAMBISSAN, PMG; NAIDU, SV; et al.  
PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE DEFECTS AND  
MECHANICAL PROPERTIES Volume: 59 Issue: 3 Pages: 455-464 Published: MAR 1989
934. THE ROLE OF ASYMMETRY ON CRITICAL AND LIMITING TEMPERATURE  
By: BANDYOPADHYAY, D; DE, JN; SAMADDAR, SK; et al.  
PHYSICS LETTERS B Volume: 218 Issue: 4 Pages: 391-394 Published: MAR 2 1989
935. QUARK-GLUON PLASMA DIAGNOSTICS AND J-PSI SUPPRESSION IN NUCLEAR COLLISIONS  
By: RAHA, S; SINHA, B  
PHYSICS LETTERS B Volume: 218 Issue: 4 Pages: 413-416 Published: MAR 2 1989
936. A MICROSCOPIC ANALYSIS OF ANTIPROTON-NUCLEUS INELASTIC-SCATTERING AT 600 MEV/C  
By: MAHALANABIS, J; VONGERAMB, HV  
NUCLEAR PHYSICS A Volume: 493 Issue: 3-4 Pages: 412-426 Published: MAR 13 1989
937. REFLECTORS FOR CANNING A BAF<sub>2</sub> CRYSTAL  
By: SINHA, BK; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 276 Issue: 1-2 Pages: 237-  
241 Published: MAR 15 1989

938. CRYSTAL AND MOLECULAR-STRUCTURE OF 4-AMINOACETYL-N-PARA-  
NITROPHENYLSULFANILAMIDE

By: GHOSH, M; BASAK, AK; MAZUMDAR, SK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 19 Issue: 2 Pages: 289-  
298 Published: APR 1989

939. PERFORMANCE OF A POSITION-SENSITIVE MULTISTEP PARALLEL-PLATE AVALANCHE CHAMBER

By: BHATTACHARYA, P; BASU, P; CHATTERJEE, ML

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 276 Issue: 3 Pages: 585-587  
Published: APR 1 1989

940. SEM OBSERVATIONS OF HIGH-ENERGY ALPHA-IRRADIATED METAL-SURFACES

By: SEN, P; NAMBISSAN, PMG; NAIDU, SV; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 40-1 Pages: 599-602 Part: 1 Published: APR 1989

941. ENERGY TIME MEASUREMENTS WITH BAF2 AND RCA-C31024 PMT

By: NAMBISSAN, PMG; SENGUPTA, A; SEN, P; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 40-1 Pages: 1211-1213 Part: 2 Published: APR 1989

942. NEUTRON TRANSITION MULTIPOLE MOMENT FOR SR-88( $\alpha$ , $\alpha'$ )SR-88-STAR-(2+, 1.84  
MEV)

By: DATTA, SK; RAY, S; MAJUMDAR, H; et al.

PHYSICAL REVIEW C Volume: 39 Issue: 4 Pages: 1281-1285 Published: APR 1989

943. SPECTRAL DISTRIBUTION-THEORY - SOME RECENT APPLICATIONS

By: KAR, K; SARKAR, S

PRAMANA Volume: 32 Issue: 4 Pages: 497-505 Published: APR 1989

944. STRESS-RELAXATION IN ANELASTIC PERCOLATING SOLIDS

By: GHOSH, M; CHAKRABARTI, BK; MAJUMDAR, KK; et al.

SOLID STATE COMMUNICATIONS Volume: 70 Issue: 2 Pages: 229-232 Published: APR 1989

945. ANOMALOUS COMMUTATORS IN VECTOR AND CHIRAL GAUGE-THEORIES

By: GHOSH, S; BANERJEE, R

PHYSICS LETTERS B Volume: 220 Issue: 4 Pages: 581-585 Published: APR 13 1989

946. SATURATION OF ENERGY DEPOSITION AND LINEAR MOMENTUM-TRANSFER IN HEAVY-ION  
COLLISIONS

By: KRISHAN, K; BHATTACHARYA, S; DE, JN; et al.

NUCLEAR PHYSICS A Volume: 495 Issue: 1-2 Pages: C65-C71 Published: APR 24 1989

947. INFLUENCE OF EXOGENOUS THYMIDINE ON KILLING AND MUTATION OF CHINESE-HAMSTER V-79 CELLS BY X-RAYS, ULTRAVIOLET-LIGHT AND N-METHYL-N'-NITRO-N-NITROSOGUANIDINE

By: DATTA, RG; BHATTACHARJEE, SB

INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY Volume: 27 Issue: 5 Pages: 437-441 Published: MAY 1989

948. HYPERTHERMIA-INDUCED MODULATION OF KILLING AND MUTATION BY UV AND N-METHYL-N'-NITRO-N-NITROSOGUANIDINE IN V79 CELLS

By: BANERJEE, S; BHAUMIK, G; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 226 Issue: 1 Pages: 69-73 Published: MAY 1989

949. HPGE DETECTOR PREAMPLIFIER OUTPUT PULSE SIMULATOR

By: BOSE, S; BHATTACHARYA, R

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 277 Issue: 2-3 Pages: 587-590 Published: MAY 1 1989

950. SOLID-STATE NUCLEAR TRACK DETECTORS IN SCATTERING EXPERIMENTS

By: DE, TK; MUKHERJEE, RN; BALIGA, BB

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 42 Issue: 1 Pages: 138-142 Published: MAY 1989

951. SUPERCONDUCTIVITY, ANTIFERROMAGNETISM, HALL-COEFFICIENT AND THE THERMOELECTRIC-POWER FOR A SINGLE-BAND HUBBARD-MODEL

By: DAS, AN; GHOSH, B; CHOUDHURY, P

PHYSICA C Volume: 158 Issue: 3 Pages: 311-325 Published: MAY 1 1989

952. EXACT REAL-SPACE RENORMALIZATION-GROUP APPROACH FOR THE LOCAL ELECTRONIC GREEN-FUNCTIONS ON AN INFINITE FIBONACCI CHAIN

By: CHAKRABARTI, A; KARMAKAR, SN; MOITRA, RK

PHYSICAL REVIEW B Volume: 39 Issue: 13 Pages: 9730-9733 Published: MAY 1 1989

953. SPECTRAL DISTRIBUTIONS IN NUCLEI - GENERAL-PRINCIPLES AND APPLICATIONS

By: KOTA, VKB; KAR, K

PRAMANA Volume: 32 Issue: 5 Pages: 647-692 Published: MAY 1989

954. POSITRON-ANNIHILATION STUDIES ON ALPHA-IRRADIATED TANTALUM

By: NAMBISSAN, PMG; SEN, P

PHYSICS LETTERS A Volume: 137 Issue: 3 Pages: 149-151 Published: MAY 8 1989

955. THE GAUSS OPERATOR IN ANOMALOUS GAUGE-THEORIES - A HAMILTONIAN-FORMULATION

By: BANERJEE, R; GHOSH, S

MODERN PHYSICS LETTERS A Volume: 4 Issue: 9 Pages: 855-862 Published: MAY 10 1989

956. MUON KNIGHT-SHIFTS IN THE LANI5HX SYSTEM - A THEORETICAL-ANALYSIS

By: KHANRA, BC

CHEMICAL PHYSICS LETTERS Volume: 157 Issue: 4 Pages: 333-336 Published: MAY 12 1989

957. ROLE OF 2-BODY COLLISIONS IN LIMITING MOMENTUM-TRANSFER AND ENERGY DEPOSITION IN NUCLEUS-NUCLEUS COLLISIONS

By: BHATTACHARYA, S; DE, JN; KRISHAN, K; et al.

PHYSICAL REVIEW LETTERS Volume: 62 Issue: 22 Pages: 2589-2592 Published: MAY 29 1989

958. FURAZOLIDONE-INDUCED INTERSTRAND CROSS-LINKS IN VIBRIO-CHOLERAEE DNA - STUDY OF CONFORMATIONAL CHANGE BY CIRCULAR-DICHROISM

By: CHATTERJEE, SN; BASAK, J; MAITI, M

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 11 Issue: 3 Pages: 172-176 Published: JUN 1989

959. CRYSTAL AND MOLECULAR-STRUCTURE OF 6-CHLORO-3-CYCLOPENTYLMETHYL-3,4-DIHYDRO-7-SULFAMYL-2H-1,2,4-BENZOTHIADIAZINE-1,1-DIOXIDE

By: BASAK, AK; GHOSH, M; MAZUMDAR, SK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 19 Issue: 3 Pages: 547-560 Published: JUN 1989

960. SOLVENT EXTRACTIONS OF ZIRCONIUM AND NIOBIUM FROM HCL SOLUTIONS BY ALIQUAT-336 ALAMINE-336 AND DOSO MIXTURES

By: MISHRA, PK; CHAKRAVORTTY, V; DASH, KC; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 131 Issue: 2 Pages: 281-287 Published: JUN 1989

961. CRYSTAL-STRUCTURE OF TOLAZOLINE HYDROCHLORIDE (PRISCOLINE), AN ALPHA-ADRENERGIC ANTAGONIST

By: GHOSE, S; DATTA GUPTA, JK

JOURNAL OF THE CHEMICAL SOCIETY-PERKIN TRANSACTIONS 2 Issue: 6 Pages: 599-601 Published: JUN 1989

962. ON THE INTERACTION POTENTIAL IN LOW-ENERGY ION-SCATTERING

By: CHINI, TK; GHOSE, D

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 42 Issue: 2 Pages: 293-294 Published: JUN 1989

963. SHERRINGTON-KIRKPATRICK MODEL IN A TRANSVERSE FIELD - ABSENCE OF REPLICASYMMETRY-BREAKING DUE TO QUANTUM FLUCTUATIONS

By: RAY, P; CHAKRABARTI, BK; CHAKRABARTI, A

PHYSICAL REVIEW B Volume: 39 Issue: 16 Pages: 11828-11832 Part: A Published: JUN 1 1989



964. CRYSTALLIZATION AND STRUCTURAL RELAXATION OF QUASICRYSTALLINE AL-MN - A POSITRON-ANNIHILATION STUDY

By: SANYAL, MK; NAMBISSAN, PMG; CHIDAMBARAM, R; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 1 Issue: 23 Pages: 3733-3735 Published: JUN 12 1989

965. ELECTRICAL-RESISTANCE, MAGNETORESISTANCE, MAGNETIZATION AND TL-205 NMR-STUDIES IN THE TL-CA-BA-CU-O SYSTEM

By: PODDAR, A; MANDAL, P; RAY, KG; et al.

PHYSICA C Volume: 159 Issue: 3 Pages: 226-230 Published: JUN 15 1989

966. EXCESS CONDUCTIVITY IN TL1CA3BA1CU3OX AND BI1CA1SR1CU2OX SYSTEMS DUE TO THERMODYNAMIC FLUCTUATIONS

By: PODDAR, A; MANDAL, P; DAS, AN; et al.

PHYSICA C Volume: 159 Issue: 3 Pages: 231-238 Published: JUN 15 1989

967. COPPER(II) INDUCED RADIOSENSITIZATION OF THYMINE

By: BHATTACHARYYA, SN; MANDAL, PC; CHAKRABORTY, S

ANTICANCER RESEARCH Volume: 9 Issue: 4 Pages: 1181-1184 Published: JUL-AUG 1989

968. LUMINESCENCE BEHAVIOR OF 7-HYDROXYFLAVONE - TEMPERATURE-DEPENDENT EFFECTS

By: SARKAR, M; SENGUPTA, PK

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 48 Issue: 1 Pages: 175-183 Published: JUL 1989

969. V-51 NMR OF THE LAYERED DELTA-LIV2O5

By: BOSE, M; BASU, A

JOURNAL OF SOLID STATE CHEMISTRY Volume: 81 Issue: 1 Pages: 30-34 Published: JUL 1989

970. SURFACE-COMPOSITION OF GAS-COVERED ALLOYS

By: KHANRA, BC; MODAK, S

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A-VACUUM SURFACES AND FILMS Volume: 7 Issue: 4 Pages: 2695-2700 Published: JUL-AUG 1989

971. THERMOELECTRIC-POWER OF THE NI AND CD SUBSTITUTED YBCO SYSTEM

By: MUKHERJEE, CD; RANGANATHAN, R; RAYCHAUDHURI, AK; et al.

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 154 Issue: 1 Pages: K55-K58 Published: JUL 1989

972. HALL-EFFECT OF BI-SR-CA-CU-O AND TL-BA-CA-CU-O SYSTEMS

By: MANDAL, P; PODDAR, A; DAS, AN; et al.

PHYSICAL REVIEW B Volume: 40 Issue: 1 Pages: 730-733 Published: JUL 1 1989

973. ISING-MODELS WITH COMPETING AXIAL INTERACTIONS IN TRANSVERSE FIELDS

By: SEN, P; CHAKRABARTI, BK

PHYSICAL REVIEW B Volume: 40 Issue: 1 Pages: 760-762 Published: JUL 1 1989

974. EXACT INTEGRABILITY OF THE 2-LEVEL SYSTEM - BERRY PHASE AND NONADIABATIC CORRECTIONS

By: DATTA, N; GHOSH, G; ENGINEER, MH

PHYSICAL REVIEW A Volume: 40 Issue: 2 Pages: 526-529 Published: JUL 15 1989

975. NONCOMMUTATIVE ELECTRIC-FIELDS AND CONSISTENCY IN ANOMALOUS GAUGE-THEORIES - REPLY

By: BANERJEE, R

PHYSICAL REVIEW LETTERS Volume: 63 Issue: 3 Pages: 337-337 Published: JUL 17 1989

976. A COMPARATIVE-STUDY OF V6O13.27 AND V6O13

By: BOSE, M; BASU, A

JOURNAL OF SOLID STATE CHEMISTRY Volume: 81 Issue: 2 Pages: 147-151 Published: AUG 1989

977. INFLUENCE OF HYPERTHERMIA ON GAMMA-RAY-INDUCED MUTATION IN V79 CELLS

By: BANERJEE, S; BHAUMIK, G; BHATTACHARJEE, SB

RADIATION RESEARCH Volume: 119 Issue: 2 Pages: 305-312 Published: AUG 1989

978. SURFACE SEGREGATION IN MAGNETIC-ALLOYS

By: MODAK, S; KHANRA, BC

SOLID STATE COMMUNICATIONS Volume: 71 Issue: 8 Pages: 693-696 Published: AUG 1989

979. SUBTHRESHOLD PI-O PRODUCTION IN HEAVY-ION COLLISIONS INDUCED BY O-16 AND 27 AL AT EBEAM = 38-200 MEV/NUCLEON BY NUCLEAR COOPERATION

By: GHOSH, B; SHYAM, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 15 Issue: 9 Pages: L185-L190  
Published: SEP 1989

980. SPIN-CORRELATION FUNCTIONS OF THE ANISOTROPIC XY CHAIN

By: BASAK, R; CHATTERJEE, I

PHYSICAL REVIEW B Volume: 40 Issue: 7 Pages: 4627-4632 Part: A Published: SEP 1 1989

981. ANOMALOUS NUCLEAR ENHANCEMENT IN LARGE TRANSVERSE-MOMENTUM HADRON-PRODUCTION

By: MAHALANABIS, J; BANDYOPADHYAY, P

PHYSICAL REVIEW C Volume: 40 Issue: 3 Pages: 1545-1547 Published: SEP 1989

982. POSITRON-ANNIHILATION STUDIES ON ALPHA-IRRADIATED TUNGSTEN

By: NAMBISSAN, PMG; SEN, P

SOLID STATE COMMUNICATIONS Volume: 71 Issue: 12 Pages: 1165-1167 Published: SEP 1989

983. INTERMEDIATE COUPLING THEORY FOR THE MULTIDIMENSIONAL POLARON

By: SIL, S; CHATTERJEE, A

PHYSICS LETTERS A Volume: 140 Issue: 1-2 Pages: 59-61 Published: SEP 4 1989

984. TEST FOR THE INTEGRABILITY OF NONLINEAR SIGMA-MODELS WITH DIFFERENT BOUNDARY-CONDITIONS

By: GHOSH, S; KUNDU, A

PHYSICAL REVIEW LETTERS Volume: 63 Issue: 12 Pages: 1207-1210 Published: SEP 18 1989

985. SOLVENT AND REVERSED PHASE EXTRACTION CHROMATOGRAPHIC-SEPARATION OF MOLYBDENUM AND TUNGSTEN WITH QUATERNARY AMMONIUM SALT REAGENT, ALIQUAT-336

By: DAS, NR; CHATTOPADHYAY, P

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 62 Issue: 10 Pages: 3278-3282 Published: OCT 1989

986. GAMOW-TELLER AND M1 STRENGTH SUMS FOR SD SHELL NUCLEI BY SPECTRAL DISTRIBUTION METHODS

By: SARKAR, S; KAR, K

PHYSICAL REVIEW C Volume: 40 Issue: 4 Pages: 1826-1829 Published: OCT 1989

987. A NEW REPRESENTATION OF THE HEAVY-ION COULOMB POTENTIAL

By: BASU, P; BHATTACHARYA, P; CHATTERJEE, ML

PRAMANA Volume: 33 Issue: 4 Pages: 481-492 Published: OCT 1989

988. MAGNETIC-PROPERTIES OF ZR DOPED Y9CO7

By: RANGANATHAN, R; THOLENCE, JL; SARKISSIAN, BVB

PRAMANA Volume: 33 Issue: 4 Pages: 513-519 Published: OCT 1989

989. STRANGE QUARK MATTER AND THE MECHANISM OF CONFINEMENT

By: CHAKRABARTY, S; RAHA, S; SINHA, B

PHYSICS LETTERS B Volume: 229 Issue: 1-2 Pages: 112-116 Published: OCT 5 1989

990. STRUCTURE OF TETRAHYDROZOLINE HYDROCHLORIDE

By: GHOSE, S; DATTAGUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 45 Pages: 1522-1524 Part: 10 Published: OCT 15 1989

991. AVAILABLE PHASE-SPACE AND ROBUSTNESS OF THE LAYERED FEEDFORWARD NEURAL NETWORK

By: SEN, P; CHAKRABARTI, BK

PHYSICAL REVIEW A Volume: 40 Issue: 8 Pages: 4700-4703 Published: OCT 15 1989

992. OXYGEN-DISORDER EFFECTS ON THE ELECTRONIC-STRUCTURE OF YBA2CU3O6+DELTA

By: MODAK, S; MORANLOPEZ, JL

PHYSICAL REVIEW B Volume: 40 Issue: 13 Pages: 8933-8938 Published: NOV 1 1989

993. STRUCTURE OF STRYCHNINE HYDROCHLORIDE SESQUIHYDRATE

By: GHOSH, R; ROYCHOWDHURY, P; CHATTOPADHYAY, D; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 45 Pages: 1794-1797 Part: 11 Published: NOV 15 1989

994. ELECTRON-PHONON INTERACTION IN A STRONGLY CORRELATED HUBBARD SYSTEM

By: DAS, AN; SIL, S

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 161 Issue: 3 Pages: 325-330

Published: NOV 15 1989

995. POSITRON-ANNIHILATION STUDIES IN ELECTRON-IRRADIATED CDTE AND CDTE (IN)

By: SENGUPTA, A; MOSER, P; PAUTRAT, JL

PHYSICS LETTERS A Volume: 141 Issue: 8-9 Pages: 429-432 Published: NOV 20 1989

996. PREHEATING OF UNSHOCKED MATERIAL BY ELECTRON-NEUTRINO BURST IN CORE-BOUNCE SUPERNOVAE

By: RAY, A; KAR, K

PHYSICAL REVIEW LETTERS Volume: 63 Issue: 22 Pages: 2435-2439 Published: NOV 27 1989

997. PHENOMENOLOGICAL SHELL-MODEL ANALYSIS OF P-SHELL-LAMBDA AND SIGMA-HYPERNUCLEI

By: SHYAM, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 15 Issue: 12 Pages: L277-L281

Published: DEC 1989

998. EXTRACTION OF ZIRCONIUM(IV) FROM HCL SOLUTIONS BY MIXTURES OF ALIQUAT-336 AND ALAMINE-336 WITH TBP

By: MISHRA, PK; CHAKRAVORTTY, V; DASH, KC; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 134 Issue: 2 Pages: 259-264

Published: DEC 1989

999. H-1 RELAXATION STUDY IN (NH<sub>4</sub>)<sub>2</sub>SBF<sub>5</sub>

By: BANDYOPADHYAY, B; GHOSHRAY, A; MUKHOPADHYAY, R; et al.

PRAMANA Volume: 33 Issue: 6 Pages: 713-719 Published: DEC 1989

1,000. SUPERCONDUCTIVITY IN LOW BISMUTH CONTAINING SYSTEM

By: CHATTERJEE, N; MUKHERJEE, CD; RANGANATHAN, R; et al.

PHYSICA C Volume: 161 Issue: 5-6 Pages: 589-593 Published: DEC 15 1989

1,001. ELECTRICAL-RESISTIVITY, MAGNETORESISTANCE, MAGNETIZATION, HALL-COEFFICIENT AND EXCESS CONDUCTIVITY IN PB-DOPED BI-SR-CA-CU OXIDES

By: PODDAR, A; MANDAL, P; DAS, AN; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 161 Issue: 5-6 Pages: 567-573

Published: DEC 15 1989

1,002. PARTIAL DECONFINEMENT AND STRANGE-QUARK PRODUCTION IN NUCLEAR-MATTER

By: CHAKRABARTY, S

ACTA PHYSICA POLONICA B Volume: 21 Issue: 1 Pages: 65-69 Published: JAN 1990

1,003. DNA DAMAGE AND CELL KILLING BY NITROFURANTOIN IN RELATION TO ITS CARCINOGENIC POTENTIAL

By: MUKHERJEE, U; BASAK, J; CHATTERJEE, SN

CANCER BIOCHEMISTRY BIOPHYSICS Volume: 11 Issue: 4 Pages: 275-287 Published: 1990

1,004. THETA-POINT EXPONENT FOR POLYMER-CHAIN IN RANDOM-MEDIA

By: CHAKRABARTI, BK; BHATTACHARJEE, SM

JOURNAL OF STATISTICAL PHYSICS Volume: 58 Issue: 1-2 Pages: 383-388 Published: JAN 1990

1,005. KILLING AND MUTATION-INDUCTION IN QUIESCENT V79 CELLS AS INFLUENCED BY NALIDIXIC-ACID

By: GHOSH, R; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 243 Issue: 1 Pages: 7-12 Published: JAN 1990

1,006. CRYSTAL-STRUCTURE OF 1-(2',3',5'-TRI-O-ACETYL-BETA-D-RIBOFURANOSYL)-3-ACETOXY-2-PYRIDONE AN ANTITUMOR AGENT

By: DAS, AK; GHOSH, M; BASAK, AK; et al.

NUCLEOSIDES & NUCLEOTIDES Volume: 9 Issue: 5 Pages: 731-744 Published: 1990

1,007. RELAXATION STUDY IN PERCOLATING SOLIDS

By: GHOSH, M; CHAKRABARTI, BK; MAJUMDAR, KK; et al.

PHYSICAL REVIEW B Volume: 41 Issue: 1 Pages: 731-739 Published: JAN 1 1990

1,008. EFFECT OF TRAJECTORY FLUCTUATIONS ON NUCLEON DRIFT AND DIFFUSION IN DEEP INELASTIC HEAVY-ION COLLISIONS

By: CHATTOPADHYAY, S; PAL, D

PHYSICAL REVIEW C Volume: 41 Issue: 1 Pages: 390-393 Published: JAN 1990

1,009. POSITRON-ANNIHILATION STUDY OF ALPHA-IRRADIATED STAINLESS-STEEL SS-302 AND COBALT

By: MUKHOPADHYAY, G; DAS, D; MAJUMDAR, CK; et al.

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 112 Issue: 4 Pages: 135-147 Published: 1990

1,010. EXTRACTION OF ZIRCONIUM(IV) AND SEPARATION OF ZR-95-NB-95 FROM ACIDIC THIOCYANATE MEDIA BY LIX-54 AND ITS MIXTURES WITH TBP

By: MISHRA, PK; CHAKRAVORTTY, V; DASH, KC; et al.

RADIOCHIMICA ACTA Volume: 49 Issue: 1 Pages: 45-48 Published: 1990

1,011. CRYSTAL-STRUCTURE OF 2-HYDROXY-4-METHYLPYRIMIDINE HYDROCHLORIDE C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O.HCL

By: CHAKRABARTI, C; PODDER, A; DATTA GUPTA, JK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 192 Issue: 1-2 Pages: 77-81 Published: 1990

1,012. MONTE-CARLO PHASE-DIAGRAM OF AN ISING SYSTEM WITH ISOTROPIC COMPETING INTERACTION

By: PAL, B; DASGUPTA, S

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 78 Issue: 3 Pages: 489-492 Published: 1990

1,013. ANNEALING OF VACANCY-TYPE DEFECTS AND CRYSTALLIZATION OF ICOSAHEDRAL AL-MN-SI

By: CHIDAMBARAM, R; SANYAL, MK; NAMBISSAN, PMG; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 1 Pages: 251-256 Published: JAN 8 1990

1,014. EMISSION OF ENERGETIC PROTONS AT BACKWARD ANGLES IN HE+U REACTIONS WITHIN A COOPERATIVE MODEL WITH COULOMB EFFECTS

By: GHOSH, B; SHYAM, R

PHYSICS LETTERS B Volume: 234 Issue: 3 Pages: 248-252 Published: JAN 11 1990

1,015. SOLVING A CONFORMAL INVARIANT 2-DIMENSIONAL FIELD-THEORY BY THE BETHE ANSATZ

By: BHATTACHARYA, G; GHOSH, S

PHYSICS LETTERS B Volume: 234 Issue: 3 Pages: 324-328 Published: JAN 11 1990

1,016. H NMR-STUDY OF THE LAYERED ANTIFERROMAGNET NH<sub>4</sub>FEF<sub>4</sub>

By: GHOSHRAY, K; GHOSHRAY, A; CHATTERJEE, N

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 4 Pages: 1007-1013 Published: JAN 29 1990

1,017. THERMAL INACTIVATION AND THERMODYNAMIC PARAMETERS OF THE CHOLERA PHAGE-KAPPA

By: BHATTACHARYA, SC; SAMAD, SA; CHATTERJEE, SN

ACTA VIROLOGICA Volume: 34 Issue: 1 Pages: 110-110 Published: FEB 1990

1,018. EIGENMODES FOR ELECTROMAGNETIC-WAVES PROPAGATING IN A TOROIDAL CAVITY

By: JANAKI, MS; DASGUPTA, B

IEEE TRANSACTIONS ON PLASMA SCIENCE Volume: 18 Issue: 1 Pages: 78-85 Published: FEB 1990

1,019. EMISSION OF PROTONS IN THE EXTREME KINEMATICAL REGION FROM NUCLEAR COOPERATION IN HEAVY-ION COLLISIONS

By: GHOSH, B; SHYAM, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 2 Pages: L33-L39 Published: FEB 1990

1,020. EFFECTS OF LOW-DOSE HYDROGEN-PEROXIDE TREATMENT OF V79 CELLS ON KILLING AND MUTATION BY DIFFERENT AGENTS

By: SENGUPTA, S; BHATTACHARJEE, SB

MUTATION RESEARCH Volume: 243 Issue: 2 Pages: 81-85 Published: FEB 1990

1,021. H-1-NMR STUDY OF ZRNIALHX AND YNIALHX

By: BANDYOPADHYAY, B; GHOSHRAY, K; GHOSHRAY, A; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 5 Pages: 1253-1262 Published: FEB 5 1990

1,022. SPECTRAL DIMENSION AND THE SHORTEST-PATH OF SAWS WITH MULTINEIGHBOR INTERACTIONS

By: YANG, YS; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 23 Issue: 3 Pages: 319-328 Published: FEB 7 1990

1,023. CHARACTERIZATION OF VACANCY-LIKE DEFECTS IN III-V-COMPOUND SEMICONDUCTORS USING POSITRON-ANNIHILATION TECHNIQUE

By: SENGUPTA, A

BULLETIN OF MATERIALS SCIENCE Volume: 13 Issue: 1-2 Pages: 89-94 Published: MAR 1990

1,024. LARGE-S ANALYSIS OF ONE-DIMENSIONAL QUANTUM-SPIN MODELS IN A TRANSVERSE MAGNETIC-FIELD

By: SEN, D; CHAKRABARTI, BK

PHYSICAL REVIEW B Volume: 41 Issue: 7 Pages: 4713-4722 Published: MAR 1 1990

1,025. TRIAD OF HOMOGENEOUS AND INHOMOGENEOUS 3 PARTICLE LIPPMANN-SCHWINGER EQUATIONS

By: MUKHERJEE, S

PRAMANA-JOURNAL OF PHYSICS Volume: 34 Issue: 3 Pages: 173-182 Published: MAR 1990

1,026. THE C-DOT AFFAIR - MORE THAN A QUESTION OF SELF-RELIANCE

By: BANERJEE, H

CURRENT SCIENCE Volume: 59 Issue: 5 Pages: 242-242 Published: MAR 10 1990

1,027. STRUCTURES OF (I) BIS[BENZYLDIMETHYL(PHENYL)AMMONIUM] TETRACHLOROMANGANATE(II) AND (II) BIS[BENZYLDIMETHYL(PHENYL)AMMONIUM] TETRACHLOROCOBLTATE(II)

By: CHAUDHURI, S; BANERJEE, T; ROY, PN; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 46 Pages: 385-388 Part: 3 Published: MAR 15 1990

1,028. MICROWAVE-SPECTRUM OF 2,3-DIFLUOROBENZONITRILE

By: MAITI, S; JAMAN, AI; DATTA, A; et al.

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 140 Issue: 2 Pages: 416-418 Published: APR 1990

1,029. SPECTROSCOPIC INVESTIGATION OF URANIUM COMPLEXATION IN THE REVERSED MICELLAR SYSTEM HDEHP N-HEPTANE WATER

By: GANGULY, BN

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 51 Issue: 3 Pages: 401-409 Published: APR 1990

1,030. FADDEEV-TAKHTAJAN AND ARKADIEV-PODGREBKOV-POLIVANOV BRACKETS FOR THE KDV SYSTEM THROUGH DIRACS CONSTRAINED HAMILTONIAN-FORMALISM

By: MALLICK, BB; KUNDU, A

PHYSICS LETTERS A Volume: 145 Issue: 2-3 Pages: 120-126 Published: APR 2 1990

1,031. COSMIC SEPARATION OF PHASES, DENSITY INHOMOGENEITIES AND PRIMORDIAL NUCLEOSYNTHESIS

By: RANA, NC; DATTA, B; RAHA, S; et al.

PHYSICS LETTERS B Volume: 240 Issue: 1-2 Pages: 175-178 Published: APR 19 1990

1,032. THERMOSTATIC PROPERTIES OF FINITE AND INFINITE NUCLEAR SYSTEMS

By: BANDYOPADHYAY, D; SAMANTA, C; SAMADDAR, SK; et al.

NUCLEAR PHYSICS A Volume: 511 Issue: 1 Pages: 1-28 Published: APR 30 1990

1,033. A STUDY ON CONFORMATION AND SOLVENT EFFECT OF GABA-INHIBITORS BY MNDO TECHNIQUE

By: MAJUMDAR, D; GUHA, S

INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY

Volume: 29 Issue: 5 Pages: 414-418 Published: MAY 1990

1,034. EFFECT OF ISOBAR ON NUCLEUS NUCLEUS POTENTIAL

By: MAJUMDAR, MM; SAMANTA, BC; SAMADDAR, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 5 Pages: 713-721

Published: MAY 1990

1,035. ADSORPTION OF SEVERAL TRACER CATIONS AND SEPARATION OF TH-234 FROM U-238 AND IN-113M FROM SN-113 ON TIN DIOXIDE

By: BHATTACHARYYA, DK; DUTTA, NC; DE, A

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 140 Issue: 1 Pages: 121-131 Published: MAY 1990

1,036. INVESTIGATION OF THE HAMILTONIAN-STRUCTURE OF THE KDV SYSTEM THROUGH R-S-MATRIX FORMALISM REVEALING SOME NEW ASPECTS

By: KUNDU, A; MALLICK, BB

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 59 Issue: 5 Pages: 1560-1570 Published:

MAY 1990

1,037. DNA DAMAGE AND PROPHAGE INDUCTION AND TOXICITY OF NITROFURANTOIN IN ESCHERICHIA-COLI AND VIBRIO-CHOLERAEE CELLS

By: SENGUPTA, S; RAHMAN, MS; MUKHERJEE, U; et al.

MUTATION RESEARCH Volume: 244 Issue: 1 Pages: 55-60 Published: MAY 1990

1,038. MASS AND ENERGY-DEPENDENCE OF THE SPUTTERING YIELD OF GALLIUM-ARSENIDE

By: BHATTACHARYYA, SR; GHOSE, D; BASU, D



NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 47 Issue: 3 Pages: 253-256 Published: MAY 1990

1,039. DYNAMIC SCALING IN MULTIFRAGMENTATION REACTIONS

By: BHATTACHARYA, R

PHYSICAL REVIEW C Volume: 41 Issue: 5 Pages: 2455-2456 Published: MAY 1990

1,040. LONGEST PATH IN PERCOLATING HIERARCHICAL LATTICE

By: SEN, P; RAY, P

JOURNAL OF STATISTICAL PHYSICS Volume: 59 Issue: 5-6 Pages: 1573-1580 Published: JUN 1990

1,041. THE EIKONAL APPROXIMATION REVISITED

By: SHARMA, SK; SOMERFORD, DJ

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED MATTER ATOMIC MOLECULAR AND CHEMICAL PHYSICS FLUIDS PLASMAS BIOPHYSICS Volume: 12 Issue: 6 Pages: 719-748  
Published: JUN 1990

1,042. SHORTEST-PATH OF SAWS WITH BRIDGES - SERIES RESULTS

By: BARAT, K; KARMAKAR, SN; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 23 Issue: 11 Pages: 2217-2222  
Published: JUN 7 1990

1,043. SYSTEMATIC DERIVATION OF CURRENT-ALGEBRA STRUCTURES IN ANOMALOUS SIGMA-MODELS

By: GHOSH, S; BHATTACHARYA, G

PHYSICAL REVIEW D Volume: 41 Issue: 12 Pages: 3851-3854 Published: JUN 15 1990

1,044. EVIDENCE OF NEW HIGH-SPIN STATES EXCITED IN THE BI-209(ALPHA,4N)AT-209 REACTION

By: MUKHERJEE, P; SEN, P; MUKHERJEE, I; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 7 Pages: L107-L110  
Published: JUL 1990

1,045. ELECTRON-MICROSCOPIC STUDY OF THE POLYMYXIN TREATED VIBRIO-CHOLERAEE CELLS

By: MANDAL, TK

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES Volume: 45 Issue: 7-8  
Pages: 902-910 Published: JUL-AUG 1990

1,046. STRUCTURE OF THE SILVER SALT OF N-(PARA-AMINOPHENYLSULFONYL)ACETAMIDE (SILVER SULFACETAMIDE)

By: GHOSH, M; BASAK, AK; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 46 Pages: 1223-1226 Part: 7  
Published: JUL 15 1990

1,047. EXCESS CONDUCTIVITY AND THERMALLY ACTIVATED DISSIPATION STUDIES IN BI2SR2CA1CU2OX SINGLE-CRYSTALS

By: MANDAL, P; PODDAR, A; DAS, AN; et al.

PHYSICA C Volume: 169 Issue: 1-2 Pages: 43-49 Published: JUL 15 1990

1,048. SPECIFIC-HEAT OF ANISOTROPIC XY CHAIN

By: CHATTERJEE, I; BASAK, R

PHYSICS LETTERS A Volume: 147 Issue: 5-6 Pages: 311-313 Published: JUL 16 1990

1,049. RELATING DIFFERENT POISSON BRACKETS OF THE KDV SYSTEM TO VARIOUS SYMMETRY CONDITIONS OF THE MODEL

By: KUNDU, A; MALLICK, BB

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 23 Issue: 14 Pages: L709-L712

Published: JUL 21 1990

1,050. SOME ASPECTS OF CHOLERA RESEARCH

By: CHATTERJEE, SN

CURRENT SCIENCE Volume: 59 Issue: 13-14 Pages: 677-687 Published: JUL 25 1990

1,051. SOLVENT RELAXATION EFFECTS ON THE LUMINESCENCE PROPERTIES OF 7-HYDROXYFLAVONE - STEADY-STATE POLARIZATION AND TIME-RESOLVED EMISSION STUDIES

By: SARKAR, M; SENGUPTA, PK

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 53 Issue: 2 Pages:

191-198 Published: JUL 30 1990

1,052. AN APPROACH TOWARDS UNDERSTANDING THE GENESIS OF SUNLIGHT-INDUCED SKIN-CANCER

By: CHATTERJEE, SN; AGARWAL, S; BOSE, B

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 27 Issue: 4 Pages: 254-263 Published:

AUG 1990

1,053. ACCURATE MEASUREMENT OF PK FOR THE 437 KEV STATE OF CS-133 IN THE DECAY OF BA-133 (10.5Y)

By: DASMAHAPATRA, B; BHATTACHARYA, S; SEN, S; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 8 Pages: 1227-1232

Published: AUG 1990

1,054. ANNEALING BEHAVIOR OF ALPHA-INDUCED DEFECTS IN TANTALUM STUDIED BY POSITRON-ANNIHILATION

By: NAMBISSAN, PMG; SEN, P

PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE DEFECTS AND

MECHANICAL PROPERTIES Volume: 62 Issue: 2 Pages: 173-182 Published: AUG 1990

1,055. STRETCHED-EXPONENTIAL BEHAVIOR IN ISING CRITICAL-DYNAMICS

By: GHOSH, M; CHAKRABARTI, BK

PHYSICAL REVIEW B Volume: 42 Issue: 4 Pages: 2578-2581 Published: AUG 1 1990

1,056. ANOMALY INDUCED Z-BOSON INTERACTIONS

By: GHOSH, S; CHATTERJEE, D  
MODERN PHYSICS LETTERS A Volume: 5 Issue: 19 Pages: 1493-1497 Published: AUG 10 1990

1,057. REMARKS ON PROBLEMS OF COVARIANT QUANTIZATION OF SUPERPARTICLE AND SUPERSTRING

By: MAJUMDAR, P  
MODERN PHYSICS LETTERS A Volume: 5 Issue: 19 Pages: 1505-1509 Published: AUG 10 1990

1,058. PROPAGATION ALONG A DIELECTRIC-COATED CYLINDER IMMersed IN A MAGNETOPLASMA

By: BISWAS, S; BASU, J  
JOURNAL OF APPLIED PHYSICS Volume: 68 Issue: 4 Pages: 1931-1933 Published: AUG 15 1990

1,059. INTENSITY ASYMMETRY IN THE MOSSBAUER-SPECTRA OF A LAYERED CYANIDE

By: DAS, S; GANGULI, S; BHATTACHARYA, M  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 34 Pages: 7209-7223 Published: AUG 27 1990

1,060. MULTIDIMENSIONAL FROHLICH BIPOLARON AND DIMENSIONAL SCALING

By: SIL, S; CHATTERJEE, A  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 4 Issue: 11-12 Pages: 1879-1888  
Published: SEP 1990

1,061. MEMBRANE LIPID-PEROXIDATION BY ULTRASOUND - MECHANISM AND IMPLICATIONS

By: JANA, AK; AGARWAL, S; CHATTERJEE, SN  
JOURNAL OF BIOSCIENCES Volume: 15 Issue: 3 Pages: 211-215 Published: SEP 1990

1,062. CANONICITY CONDITION IN ADIABATIC TIME-DEPENDENT HARTREE-FOCK THEORY

By: MUKHERJEE, AK  
PHYSICAL REVIEW C Volume: 42 Issue: 3 Pages: 1141-1143 Published: SEP 1990

1,063. POSITRON TRAPPING IN PLASTICALLY DEFORMED ZN

By: SENGUPTA, A; ROY, R  
SOLID STATE COMMUNICATIONS Volume: 75 Issue: 10 Pages: 843-846 Published: SEP 1990

1,064. ROBUSTNESS OF THE NETWORK MODELS OF IMMUNE-RESPONSE

By: CHOWDHURY, D; CHAKRABARTI, BK  
PHYSICA A Volume: 167 Issue: 3 Pages: 635-640 Published: SEP 15 1990

1,065. NEW RESULTS ON SYSTEMS WITH 2ND-CLASS CONSTRAINTS

By: MITRA, P; RAJARAMAN, R  
ANNALS OF PHYSICS Volume: 203 Issue: 1 Pages: 137-156 Published: OCT 1990

1,066. GAUGE-INVARIANT REFORMULATION OF THEORIES WITH 2ND-CLASS CONSTRAINTS

By: MITRA, P; RAJARAMAN, R  
ANNALS OF PHYSICS Volume: 203 Issue: 1 Pages: 157-172 Published: OCT 1990

- 1,067. GAMMA-RADIOLYSIS OF CU(II) COMPLEX OF METRONIDAZOLE  
By: MANDAL, PC; BARDHAN, DK; BHATTACHARYYA, SN  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 63 Issue: 10 Pages: 2975-2980 Published:  
OCT 1990
- 1,068. EFFECT OF FE(III) IONS ON THE GAMMA-RADIOLYSIS OF THYMINE  
By: BHATTACHARYYA, SN; MANDAL, PC; CHAKRABARTI, S  
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 63 Issue: 10 Pages: 3001-3005 Published:  
OCT 1990
- 1,069. A STUDY OF HYDRATION EFFECTS ON THE CONFORMATIONAL ASPECTS OF GABA MEDIATORS  
By: MAJUMDAR, D; GUHA, S  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 38 Issue: 4 Pages: 533-549  
Published: OCT 1990
- 1,070. SHELL-MODEL STUDY OF SIGMA-HYPERNUCLEAR AND LAMBDA-HYPERNUCLEAR SPECTRA  
FROM (K-, PI+/-) REACTIONS  
By: SHYAM, R  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 10 Pages: 1461-1471  
Published: OCT 1990
- 1,071. GOAT TESTIS CALMODULIN - PURIFICATION AND PHYSICOCHEMICAL CHARACTERIZATION  
By: BANDYOPADHYAY, S; GHOSH, SK  
JOURNAL OF PROTEIN CHEMISTRY Volume: 9 Issue: 5 Pages: 603-611 Published: OCT 1990
- 1,072. SLOWING DOWN OF RETRIEVAL IN THE HOPFIELD MODEL  
By: GHOSH, M; SEN, AK; CHAKRABARTI, BK; et al.  
JOURNAL OF STATISTICAL PHYSICS Volume: 61 Issue: 1-2 Pages: 501-504 Published: OCT 1990
- 1,073. PERFORMANCE OF EXTRAPOLATED LEADING-EDGE TIMING FOR FAST COINCIDENCE WITH A  
LARGE-VOLUME HPGE DETECTOR  
By: BOSE, S; DEY, CC; SINHA, BK; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 295 Issue: 1-2 Pages: 219-  
223 Published: OCT 1 1990
- 1,074. SCATTERING OF ALPHA-PARTICLES FROM TE-130 AT 40 AND 50 MEV  
By: DE, TK; GOSWAMI, A; BALIGA, BB  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 103  
Issue: 10 Pages: 1427-1434 Published: OCT 1990
- 1,075. BAND-STRUCTURE IN RU-95  
By: GOSWAMI, A; SAHA, M; BHATTACHARYA, S; et al.  
PHYSICAL REVIEW C Volume: 42 Issue: 4 Pages: 1367-1372 Published: OCT 1990

- 1,076. CORIOLIS ATTENUATION IN THE A CONGRUENT-TO 130-150-REGION  
By: SAHA, M; GOSWAMI, A; BHATTACHARYA, S; et al.  
PHYSICAL REVIEW C Volume: 42 Issue: 4 Pages: 1386-1393 Published: OCT 1990
- 1,077. INTERACTION OF DIMETHYL-SULFOXIDE WITH CHLORANIL BY ESR AND OPTICAL METHODS  
By: ROY, AK; SARKAR, BK; SANYAL, S  
PRAMANA-JOURNAL OF PHYSICS Volume: 35 Issue: 4 Pages: 389-395 Published: OCT 1990
- 1,078. THE INDUCTION OF LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE BY ULTRASOUND AND THE ROLE OF HYDROXYL RADICALS  
By: JANA, AK; AGARWAL, S; CHATTERJEE, SN  
RADIATION RESEARCH Volume: 124 Issue: 1 Pages: 7-14 Published: OCT 1990
- 1,079. OSCILLATOR APPROACH TO THE PROBLEM OF THE HYDROGEN-ATOM IN A MAGNETIC-FIELD AND FENEUILLE SCALING  
By: BHATTACHARYA, K; LAHIRI, A; BHAUMIK, D; et al.  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 23 Issue: 20 Pages: 4455-4462  
Published: OCT 21 1990
- 1,080. THETA-POINT EXPONENT FOR POLYMER-CHAINS ON PERCOLATION FRACTALS  
By: ROY, AK; CHAKRABARTI, BK; BLUMEN, A  
JOURNAL OF STATISTICAL PHYSICS Volume: 61 Issue: 3-4 Pages: 903-908 Published: NOV 1990
- 1,081. F-19 NMR-STUDIES IN ABF<sub>4</sub>-TYPE LAYERED ANTIFERROMAGNETS  
By: GHOSHAY, K; GHOSHAY, A; CHATTERJEE, N  
PHYSICAL REVIEW B Volume: 42 Issue: 13 Pages: 7803-7809 Part: A Published: NOV 1 1990
- 1,082. MELTING BEHAVIOR OF PERCOLATING SOLIDS  
By: CHAKRABARTI, BK; SEN, AK  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 46 Pages: 9183-9187 Published:  
NOV 19 1990
- 1,083. CRYSTALLIZATION AND PRELIMINARY-X-RAY STUDIES OF PSOPHOCARPIN-B<sub>1</sub>, A CHYMOTRYPSIN INHIBITOR FROM WINGED BEAN-SEEDS  
By: DATTA GUPTA, JK; CHAKRABARTI, C; PODDER, A  
JOURNAL OF MOLECULAR BIOLOGY Volume: 216 Issue: 2 Pages: 229-231 Published: NOV 20 1990
- 1,084. STRINGY RESTRICTIONS ON THE SCHERK-SCHWARZ MECHANISM  
By: MAJUMDAR, P; SENGUPTA, S  
CLASSICAL AND QUANTUM GRAVITY Volume: 7 Issue: 12 Pages: L267-L272 Published: DEC 1990
- 1,085. CW AND PULSE RESPONSE OF A MECHANICAL RESONATOR - NUMERICAL EVALUATION AND EXPERIMENTAL-OBSERVATIONS  
By: PAL, B; SINHA, SK

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS  
Volume: 29 Issue: 12 Pages: 2837-2842 Published: DEC 1990

1,086. INNER BREMSSTRAHLUNG FROM NI-63

By: LITTLEFLOWER, SR; BABU, BRS; MUKHERJEE, RN; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 16 Issue: 12 Pages: 1873-1879  
Published: DEC 1990

1,087. SN-116 FROM CD-116(ALPHA,4N-GAMMA) REACTION

By: CHATTERJEE, MB; BANERJEE, P; SINHA, BK; et al.

PHYSICAL REVIEW C Volume: 42 Issue: 6 Pages: 2737-2740 Published: DEC 1990

1,088. HEAT PARTITION IN DAMPED REACTIONS

By: CHATTOPADHYAY, S; PAL, D

PHYSICAL REVIEW C Volume: 42 Issue: 6 Pages: R2283-R2285 Published: DEC 1990

1,089. A CANONICAL APPROACH TO THE DYNAMICS OF THE WESS-ZUMINO-WITTEN MODEL

By: GHOSH, S

PHYSICS LETTERS B Volume: 252 Issue: 1 Pages: 74-78 Published: DEC 6 1990

1,090. A POSITRON-ANNIHILATION STUDY OF VACANCY-TYPE DEFECTS IN AL-CU-FE QUASI-CRYSTALS

By: CHIDAMBARAM, R; SANYAL, MK; NAMBISSAN, PMG; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 2 Issue: 49 Pages: 9941-9947 Published: DEC  
10 1990

1,091. MAGNETIC-MOMENTS IN THE CRANKED HFB APPROACH

By: SAHA, M; SEN, S

PHYSICS LETTERS B Volume: 252 Issue: 2 Pages: 181-186 Published: DEC 13 1990

1,092. ROLE OF MG<sup>++</sup> IN THE MITHRAMYCIN-DNA INTERACTION - EVIDENCE FOR 2 TYPES OF  
MITHRAMYCIN-MG<sup>++</sup> COMPLEX

By: AICH, P; DASGUPTA, D

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 173 Issue: 2 Pages: 689-  
696 Published: DEC 14 1990

1,093. DENSITY FLUCTUATION IN THE DESITTER UNIVERSE

By: BANERJEE, N; MALLIK, S

ANNALS OF PHYSICS Volume: 205 Issue: 1 Pages: 29-48 Published: JAN 1991

1,094. INFLUENCING THE B-Z SWITCH IN SUPERCOILED DNA

By: LAHIRI, A

BIOPHYSICAL CHEMISTRY Volume: 39 Issue: 1 Pages: 85-90 Published: JAN 1991

1,095. NEUTRON-ACTIVATION STUDIES ON THE DISTRIBUTION OF GOLD IN SOME METASOMATIC  
ZONES OF THE JABARBAN-BELAMU AREA IN THE DISTRICT OF PURULIA, WEST-BENGAL, INDIA

By: DAS, NR; BAIDYA, TK; CHAKRABORTY, PS; et al.

NUCLEAR GEOPHYSICS Volume: 5 Issue: 3 Pages: 297-302 Published: 1991

1,096. MULTIMODE ANALYSIS OF TRACES OF NIOBIUM IN A GEOLOGICAL MATRIX BY CHARGED-PARTICLE ACTIVATION

By: DAS, NR; BASU, D; BHATTACHARYYA, SN

NUCLEAR GEOPHYSICS Volume: 5 Issue: 3 Pages: 307-313 Published: 1991

1,097. ON THE STABILITY OF STRANGELETS

By: CHAKRABARTY, S

PHYSICA SCRIPTA Volume: 43 Issue: 1 Pages: 11-13 Published: JAN 1991

1,098. HELIUM BUBBLES IN MOLYBDENUM INVESTIGATED BY POSITRON-ANNIHILATION SPECTROSCOPY

By: NAMBISSAN, PMG; SEN, P; VISWANATHAN, B

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 116 Issue: 1-2 Pages: 125-135 Published: 1991

1,099. MECHANISM OF PRODUCTION AND THE CURRENT-DENSITY EFFECTS OF DOUBLY CHARGED ION EMISSION FROM CD<sup>+</sup>-BOMBARDED NB-TARGETS AND V-TARGETS

By: RAY, N; RAJASEKAR, P; CHAKRABORTY, P; et al.

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 116 Issue: 3 Pages: 199-209 Published: 1991

1,100. EFFECT OF CU(II)-AMINOPOLYCARBOXYLATES ON THE RADIOSENSITIVITY OF THYMINE

By: BHATTACHARYYA, SN; MANDAL, PC; CHAKRABARTI, S

RADIATION PHYSICS AND CHEMISTRY Volume: 37 Issue: 2 Pages: 347-352 Published: 1991

1,101. POSITRONIUM REACTIONS IN URANYL ION-HDEHP MICROEMULSION SYSTEM

By: GANGULY, BN; SUBRAHMANYAM, VS; SEN, P

RADIATION PHYSICS AND CHEMISTRY Volume: 38 Issue: 2 Pages: 213-220 Published: 1991

1,102. SPIN-GLASS AND REENTRANT TYPE BEHAVIOR OF FE<sub>3</sub>-XMNXSI (X = 1.2, 1.5, 1.8)

By: CHAKRAVARTI, A; RANGANATHAN, R; RAYCHAUDHURI, AK; et al.

SOLID STATE COMMUNICATIONS Volume: 77 Issue: 1 Pages: 17-21 Published: JAN 1991

1,103. LIQUID ION-EXCHANGERS AND THEIR USES IN THE SEPARATION OF ZIRCONIUM, NIOBIUM, MOLYBDENUM, HAFNIUM, TANTALUM AND TUNGSTEN

By: DAS, NR; LAHIRI, S

SOLVENT EXTRACTION AND ION EXCHANGE Volume: 9 Issue: 2 Pages: 337-381 Published: 1991

1,104. ANOMALIES AND Z-DECAY

By: CHATTERJEE, D; GHOSH, S

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 50 Issue: 1 Pages: 103-106 Published: 1991

1,105. STRINGY EFFECTS ON SUPERSYMMETRY BREAKING IN LOW-ENERGY SUPERGRAVITY THEORIES  
By: SENGUPTA, S; MAJUMDAR, P  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 6 Issue: 1 Pages: 41-58 Published: JAN 10 1991

1,106. STRUCTURE OF 4-(3-CHLOROPHENYL)THIOSEMICARBAZIDE  
By: CHATTOPADHYAY, D; BANERJEE, T; MAZUMDAR, SK; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 47 Pages: 112-115 Part: 1 Published: JAN 15 1991

1,107. EQUATION OF STATE OF STRANGE QUARK MATTER AND STRANGE STAR  
By: CHAKRABARTY, S  
PHYSICAL REVIEW D Volume: 43 Issue: 2 Pages: 627-630 Published: JAN 15 1991

1,108. EXPERIMENTAL LIFETIMES OF SOME LEVELS BELONGING TO THE 3P44D CONFIGURATION OF AR-II  
By: DAS, MB; BHATTACHARYA, R  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 24 Issue: 2 Pages: 423-426 Published: JAN 28 1991

1,109. TECHNIQUE FOR EVALUATING THE OPTIMAL PATH IN ADIABATIC TIME-DEPENDENT HARTREE-FOCK THEORY  
By: MUKHERJEE, AK  
PHYSICAL REVIEW C Volume: 43 Issue: 2 Pages: 912-915 Published: FEB 1991

1,110. AN AUTOMATED AC-MAGNETIC SUSCEPTIBILITY APPARATUS  
By: CHAKRAVARTI, A; RANGANATHAN, R; RAYCHAUDHURI, AK  
PRAMANA-JOURNAL OF PHYSICS Volume: 36 Issue: 2 Pages: 231-241 Published: FEB 1991

1,111. COVARIANTLY QUANTIZED  $D = 4, N = 1$  GREEN-SCHWARZ SIGMA-MODELS  
By: MAJUMDAR, P  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 6 Issue: 4 Pages: 599-611 Published: FEB 10 1991

1,112. FRACTIONAL STATISTICS INDUCED BY GAUGE-FIELDS  
By: CHATTERJEE, A; SREEDHAR, VV  
MODERN PHYSICS LETTERS A Volume: 6 Issue: 5 Pages: 391-398 Published: FEB 20 1991

1,113. SELF-AVOIDING WALK CONNECTIVITY CONSTANT AND THETA-POINT ON PERCOLATING LATTICES  
By: BARAT, K; KARMAKAR, SN; CHAKRABARTI, BK  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 24 Issue: 4 Pages: 851-860 Published: FEB 21 1991



1,114. ON THE FORMATION OF EXFOLIATION ON THE REVERSE UNBOMBARDED FACE OF A TUNGSTEN FOIL UNDER MEV ALPHA-PARTICLE IRRADIATION

By: BHATTACHARYYA, SR; CHINI, TK; GHOSE, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 53 Issue: 3 Pages: 355-357 Published: MAR 1991

1,115. NONLINEAR ENHANCEMENT OF DRIFT WAVES BY KINETIC ALFVEN WAVES

By: KAR, C; SUNDARAM, AK; SEN, A

PHYSICA SCRIPTA Volume: 43 Issue: 3 Pages: 290-295 Published: MAR 1991

1,116. LOCALIZATION AND MOBILITY EDGES IN A ONE-DIMENSIONAL LATTICE WITH A SELF-SIMILAR FEIGENBAUM STRUCTURE

By: ROY, TK; LAHIRI, A

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 3 Issue: 9 Pages: 1153-1164 Published: MAR 4 1991

1,117. SINGLE Q-OSCILLATOR MODE REALIZATION OF QUANTUM GROUP THROUGH CANONICAL BOSONIZATIONS OF  $SU(2)_Q$  AND Q-OSCILLATORS

By: MALLICK, BB; KUNDU, A

MODERN PHYSICS LETTERS A Volume: 6 Issue: 8 Pages: 701-705 Published: MAR 14 1991

1,118. STRUCTURE AND CONFORMATION OF THE 1-1 MOLECULAR-COMPLEX SULFAPROXYLINE-CAFFEINE

By: GHOSH, M; BASAK, AK; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY Volume: 47 Pages: 577-580 Part: 3 Published: MAR 15 1991

1,119. A COMPARATIVE-STUDY OF THE HYDRATION EFFECT ON THE CONFORMATIONAL AND ELECTRONIC ASPECTS OF BICUCULLINE AND GABA

By: MAJUMDAR, D; GUHA, S

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 73 Pages: 363-377 Published: MAR 29 1991

1,120. EFFECT OF SUPERCOILING ON THE MELTING CHARACTERISTICS OF HETEROPOLYNUCLEOTIDES

By: SEN, S; LAHIRI, A

BIOPHYSICAL CHEMISTRY Volume: 40 Issue: 1 Pages: 33-41 Published: APR 1991

1,121. X-RAY INACTIVATION, WEIGLE REACTIVATION, AND WEIGLE MUTAGENESIS OF THE LYSOGENIC VIBRIO KAPPA-PHAGE

By: BHATTACHARYYA, SC; SAMAD, SA; MANDAL, JC; et al.

CANADIAN JOURNAL OF MICROBIOLOGY Volume: 37 Issue: 4 Pages: 265-269 Published: APR 1991

1,122. NEUTRON-PRODUCTION FROM THICK TARGETS BOMBARDED BY ALPHA-PARTICLES - EXPERIMENT AND THEORETICAL-ANALYSIS OF NEUTRON ENERGY-SPECTRA

By: SARKAR, PK; BANDYOPADHYAY, T; MUTHUKRISHNAN, G; et al.

PHYSICAL REVIEW C Volume: 43 Issue: 4 Pages: 1855-1866 Published: APR 1991

1,123. OBSERVATIONS ON SUPERSYMMETRY BREAKING BY SCHERK-SCHWARZ MECHANISM

By: SENGUPTA, S

MODERN PHYSICS LETTERS A Volume: 6 Issue: 11 Pages: 993-1000 Published: APR 10 1991

1,124. INFLUENCE OF DIFFERENT MICELLAR ENVIRONMENTS ON THE EXCITED-STATE PROTON-TRANSFER LUMINESCENCE OF 3-HYDROXYFLAVONE

By: SARKAR, M; SENGUPTA, PK

CHEMICAL PHYSICS LETTERS Volume: 179 Issue: 1-2 Pages: 68-72 Published: APR 12 1991

1,125. STRUCTURE OF 5-AMINO-1-DIPHENYLMETHYLIMIDAZOLE-4-CARBOXAMIDE

By: BANERJEE, T; ROYCHOWDHURY, P; CHATTOPADHYAY, D; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 47 Pages: 804-807 Part: 4 Published: APR 15 1991

1,126. ELECTRIC-DIPOLE MOMENT OF THE NEUTRON IN THE STANDARD MODEL FROM DYNAMIC BREAKING OF CHIRAL SYMMETRY

By: BANERJEE, H; CHATTERJEE, D; BANERJEE, R

MODERN PHYSICS LETTERS A Volume: 6 Issue: 12 Pages: 1095-1101 Published: APR 20 1991

1,127. HELIUM PHYSISORPTION ON INTERNAL SURFACES OF RADIATION-INDUCED CAVITIES IN ALUMINUM - A POSITRON-ANNIHILATION STUDY

By: HOZHABRI, N; MA, J; NAIDU, SV; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 56-7 Pages: 578-581 Part: 1 Published: MAY 1991

1,128. SURFACE SEGREGATION OF PT-NI ALLOYS

By: MODAK, S; GANGOPADHYAY, S

SOLID STATE COMMUNICATIONS Volume: 78 Issue: 5 Pages: 429-432 Published: MAY 1991

1,129. AC SUSCEPTIBILITY OF HIGH-TEMPERATURE SUPERCONDUCTOR IN BCS MODEL

By: CHAKRAVARTI, A; RANGANATHAN, R; MUKHERJEE, CD; et al.

SOLID STATE COMMUNICATIONS Volume: 78 Issue: 7 Pages: 615-619 Published: MAY 1991

1,130. DOPPLER- RADIO-FREQUENCY LINESHAPE THEORY FOR A 3-LEVEL SYSTEM WITH 3 ALLOWED TRANSITIONS IN PRESENCE OF AN IR PUMP

By: GHOSHAL, S; DATTA, A

CHEMICAL PHYSICS Volume: 153 Issue: 1-2 Pages: 161-168 Published: MAY 15 1991

1,131. STABILITY OF THE FROHLICH BIPOLARON IN 2 AND 3 DIMENSIONS

By: SIL, S; GIRI, AK; CHATTERJEE, A

PHYSICAL REVIEW B Volume: 43 Issue: 15 Pages: 12642-12645 Published: MAY 15 1991

- 1,132. CRITICAL-TEMPERATURE IN A HIGGS SCALAR FIELD-THEORY  
By: BANERJEE, N; MALLIK, S  
PHYSICAL REVIEW D Volume: 43 Issue: 10 Pages: 3368-3375 Published: MAY 15 1991
- 1,133. THEORY OF A SUPERCOIL-INDUCED B-Z TRANSITION IN CLOSED CIRCULAR DNA  
By: MAJUMDAR, R; LAHIRI, A; SEN, S  
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 76 Pages: 431-435 Published: MAY 24 1991
- 1,134. BETA-DECAY RATES OF FP SHELL NUCLEI IN ADVANCED EVOLUTIONARY STAGES OF PRESUPERNOVA STARS  
By: KAR, K; SARKAR, S; RAY, A  
PHYSICS LETTERS B Volume: 261 Issue: 3 Pages: 217-220 Published: MAY 30 1991
- 1,135. A POLYMER-CHAIN IN AN ANNEALED RANDOM MEDIUM - THE PUZZLE OF FISHER RENORMALIZATION  
By: BHATTACHARJEE, SM; CHAKRABARTI, BK  
EUROPHYSICS LETTERS Volume: 15 Issue: 3 Pages: 259-264 Published: JUN 1 1991
- 1,136. OXIDATION OF NICKEL(II) ETHYLENEDIAMINETETRAACETATE BY CARBONATE RADICAL  
By: MANDAL, PC; BARDHAN, DK; SARKAR, S; et al.  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 6 Pages: 1457-1461  
Published: JUN 1991
- 1,137. VARIATION OF TC AND TRANSPORT-PROPERTIES WITH CARRIER CONCENTRATION IN Y-DOPED AND PB-DOPED BI-BASED SUPERCONDUCTORS  
By: MANDAL, P; PODDAR, A; GHOSH, B; et al.  
PHYSICAL REVIEW B Volume: 43 Issue: 16 Pages: 13102-13111 Part: A Published: JUN 1 1991
- 1,138. CRITICAL PROPERTIES OF A ONE-DIMENSIONAL FRUSTRATED QUANTUM MAGNETIC MODEL  
By: SEN, P; CHAKRABARTI, BK  
PHYSICAL REVIEW B Volume: 43 Issue: 16 Pages: 13559-13565 Part: B Published: JUN 1 1991
- 1,139. ADIABATIC TIME-DEPENDENT HARTREE-FOCK THEORY WITH THE SKYRME INTERACTION  
By: MUKHERJEE, AK  
PHYSICAL REVIEW C Volume: 43 Issue: 6 Pages: 2663-2669 Published: JUN 1991
- 1,140. Q-DEFORMATION OF THE HOLSTEIN-PRIMAKOFF TRANSFORMATION AND OTHER BOSONISATIONS OF THE QUANTUM GROUP  
By: KUNDU, A; MALLICK, BB  
PHYSICS LETTERS A Volume: 156 Issue: 3-4 Pages: 175-178 Published: JUN 10 1991
- 1,141. ROTATIONAL SPECTRUM AND STRUCTURE OF THE LINEAR HCN-HCCH DIMER  
By: JAMAN, AI; GERMANN, TC; GUTOWSKY, HS; et al.  
CHEMICAL PHYSICS Volume: 154 Issue: 2 Pages: 281-289 Published: JUL 1 1991

1,142. RESPONSE OF V79 CELLS TO N-METHYL-N'-NITRO-N-NITROSOGUANIDINE (MNNG) TREATMENT - INHIBITION OF POLY(ADP-RIBOSE) AND TOPOISOMERASE ACTIVITY

By: ROY, M; GHOSH, R; DEY, SK; et al.

MUTATION RESEARCH Volume: 249 Issue: 1 Pages: 195-199 Published: JUL 1991

1,143. RENORMALIZATION-GROUP METHOD FOR EXACT GREENS-FUNCTIONS OF SELF-SIMILAR LATTICES - APPLICATION TO GENERALIZED FIBONACCI CHAINS

By: CHAKRABARTI, A; KARMAKAR, SN

PHYSICAL REVIEW B Volume: 44 Issue: 2 Pages: 896-899 Published: JUL 1 1991

1,144. A TOY VERSION OF THE INTERACTING BOSON MODEL

By: BHAUMIK, D; SEN, S; DUTTARROY, B

AMERICAN JOURNAL OF PHYSICS Volume: 59 Issue: 8 Pages: 719-722 Published: AUG 1991

1,145. AC SUSCEPTIBILITY STUDIES ON BI-SR-CA-CU-O SYSTEM

By: CHAKRAVARTI, A; MUKHERJEE, CD; RANGANATHAN, R; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 14 Issue: 4 Pages: 921-926 Published: AUG 1991

1,146. GAMMA-RADIOLYSIS OF FLAVIN MONONUCLEOTIDE AND FLAVIN-ADENINE DINUCLEOTIDE IN AQUEOUS-SOLUTION

By: SAHA, A; MANDAL, PC; BHATTACHARYYA, SN

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 64 Issue: 8 Pages: 2532-2538 Published: AUG 1991

1,147. PROPAGATION IN A WARM COLLISIONAL MAGNETOPLASMA ENCLOSED IN A CONDUCTING CYLINDER

By: BASU, J; BISWAS, S

IEEE TRANSACTIONS ON PLASMA SCIENCE Volume: 19 Issue: 4 Pages: 645-650 Published: AUG 1991

1,148. LAYERED SYNTHETIC MICROSTRUCTURES AS OPTICAL-ELEMENTS FOR THE EXTREME ULTRAVIOLET AND SOFT X-RAYS

By: CHAKRABORTY, P

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 5 Issue: 13 Pages: 2133-2228

Published: AUG 1991

1,149. CRYSTAL AND MOLECULAR-STRUCTURE OF (+-)-1-PHENYL-2-AMINO-1-PROPANOL, C<sub>9</sub>H<sub>13</sub>NO

By: MUKHOPADHYAY, BP; DATTA GUPTA, JK; EVRARD, GH

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 21 Issue: 4 Pages: 507-510 Published: AUG 1991

1,150. SYNTHESIS, CRYSTAL-STRUCTURE AND CHEMICAL-REACTIVITY OF DICHLORO(THIOSEMICARBAZIDE)COPPER(II)

By: CHATTO PADHYAY, D; MAJUMDAR, SK; LOWE, P; et al.

JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 8 Pages: 2121-2124  
Published: AUG 1991

1,151. SURFACE-TOPOGRAPHY OF A CU SINGLE-CRYSTAL BY AR<sup>+</sup> ION SPUTTERING

By: SEN, AK; GHOSE, D

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 61 Issue: 2 Pages: 253-255 Published: AUG 1991

1,152. EXPERIMENTAL LIFETIMES OF SOME LEVELS BELONGING TO THE 5P46D CONFIGURATION OF  
XE-II

By: DAS, MB; BHATTACHARYA, R

PHYSICA SCRIPTA Volume: 44 Issue: 2 Pages: 145-147 Published: AUG 1991

1,153. MAGNETOSONIC SHOCK-WAVES PROPAGATING OBLIQUELY IN A WARM COLLISIONAL PLASMA

By: JANAKI, MS; DASGUPTA, B; GUPTA, MR; et al.

PHYSICA SCRIPTA Volume: 44 Issue: 2 Pages: 203-207 Published: AUG 1991

1,154. EFFECT OF CARRIER CONCENTRATION ON THE NORMAL TRANSPORT-PROPERTIES AND THE  
SUPERCONDUCTING TRANSITION-TEMPERATURE IN THE TL2BA2CA1-XYXCU2O8+Y SYSTEM

By: PODDAR, A; MANDAL, P; DAS, AN; et al.

PHYSICAL REVIEW B Volume: 44 Issue: 6 Pages: 2757-2761 Published: AUG 1 1991

1,155. MICROSCOPIC ANALYSIS OF S-34(D-),D')S-34-STAR AND THE RELATIVE SIGN OF NEUTRON AND  
PROTON TRANSITION MATRIX-ELEMENTS FOR THE (0+-2(2)(+)) TRANSITION

By: ROY, S; DATTA, SK

PHYSICAL REVIEW C Volume: 44 Issue: 2 Pages: 912-914 Published: AUG 1991

1,156. PROJECTILE BREAKUP BY NUCLEAR AND COULOMB FIELDS AND APPLICATION TO  
ASTROPHYSICALLY RELEVANT RADIATIVE-CAPTURE PROCESSES

By: SHYAM, R; BAUR, G; BANERJEE, P

PHYSICAL REVIEW C Volume: 44 Issue: 2 Pages: 915-918 Published: AUG 1991

1,157. PREPARATION AND CHARACTERIZATION OF BISRCACUO THROUGH GLASSY ROUTE

By: JAYAVEL, R; MURUGAKOOTHAN, P; RAO, CRV; et al.

SOLID STATE COMMUNICATIONS Volume: 79 Issue: 5 Pages: 421-424 Published: AUG 1991

1,158. RF STABILIZATION OF BALLOONING MODES IN AN AXISYMMETRICALLY ROTATING PLASMA

By: SEN, S; JANAKI, MS; DASGUPTA, B

PHYSICS LETTERS A Volume: 157 Issue: 6-7 Pages: 411-414 Published: AUG 5 1991

1,159. METAL-INSULATOR-TRANSITION IN ONE-DIMENSIONAL QUASI-PERIODIC SYSTEMS

By: BASU, C; MOOKERJEE, A; SEN, AK; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 3 Issue: 32 Pages: 6041-6053 Published:  
AUG 12 1991

1,160. NEW WAY OF GAUGING SELF-DUAL BOSONS

By: GHOSH, S; MITRA, P

PHYSICAL REVIEW D Volume: 44 Issue: 4 Pages: 1332-1333 Published: AUG 15 1991

1,161. ENERGY-DEPENDENT NUCLEUS NUCLEUS POTENTIAL WITH THE PARIS INTERACTION

By: MAJUMDAR, MM; SAMANTA, BC; SAMADDAR, SK

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 17 Issue: 9 Pages: 1387-1400  
Published: SEP 1991

1,162. K-P BURGERS-EQUATION FOR THE DECAY OF SOLITARY MAGNETOSONIC WAVES PROPAGATING  
OBLIQUELY IN A WARM COLLISIONAL PLASMA

By: JANAKI, MS; SOM, BK; DASGUPTA, B; et al.

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 60 Issue: 9 Pages: 2977-2984 Published:  
SEP 1991

1,163. ON PARTIAL DECONFINEMENT, STRANGE STAR AND QUARK-HADRON PHASE-TRANSITION IN  
THE EARLY UNIVERSE

By: CHAKRABARTY, S

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY  
AND MATHEMATICAL PHYSICS AND METHODS Volume: 106 Issue: 9 Pages: 1023-1033 Published:  
SEP 1991

1,164. HEAVY FRAGMENT EMISSION IN ALPHA-INDUCED REACTIONS ON ALUMINUM AT 60 MEV

By: BHATTACHARYA, C; BASU, SK; BHATTACHARYA, S; et al.

PHYSICAL REVIEW C Volume: 44 Issue: 3 Pages: 1049-1056 Published: SEP 1991

1,165. PROPERTIES OF HIGH-SPIN STATES IN CR-53 AND MN-53

By: BANERJEE, P; SETHI, B; CHATTERJEE, MB; et al.

PHYSICAL REVIEW C Volume: 44 Issue: 3 Pages: 1128-1136 Published: SEP 1991

1,166. SEGREGATION BEHAVIOR IN PTXNI1-X(110) AND (111) SURFACES

By: GANGOPADHYAY, S; MODAK, S; KHANRA, BC; et al.

SOLID STATE COMMUNICATIONS Volume: 79 Issue: 9 Pages: 759-761 Published: SEP 1991

1,167. FUNCTIONAL-INTEGRALS FOR ABELIAN ANOMALOUS GAUGE-THEORIES

By: MITRA, P

ANNALS OF PHYSICS Volume: 211 Issue: 1 Pages: 158-171 Published: OCT 1991

1,168. MICROWAVE DIAGNOSTIC METHOD FOR HIGH-DENSITY PLASMAS

By: BISWAS, S; BASU, J

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 29 Issue: 10 Pages: 702-704 Published:  
OCT 1991

1,169. CROSS-OVER PHENOMENON IN THE 1D-XY MODEL

By: BASAK, R; CHATTERJEE, I

PHYSICA B-CONDENSED MATTER Volume: 174 Issue: 1-4 Pages: 70-73 Published: OCT 1991

1,170. INFRARED STUDIES OF  $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{-XYXCU}_2\text{O}_8+\text{DELTA}$  AND CORRELATION BETWEEN CU-O DISTANCE DERIVED FROM X-RAY AND IR

By: PAL, AJ; MANDAL, P; PODDAR, A; et al.

PHYSICA C Volume: 181 Issue: 1-3 Pages: 186-190 Published: OCT 1 1991

1,171. NONLINEAR I-V-CHARACTERISTICS NEAR THE PERCOLATION-THRESHOLD

By: CHAKRABARTY, RK; BARDHAN, KK; BASU, A

PHYSICAL REVIEW B Volume: 44 Issue: 13 Pages: 6773-6779 Published: OCT 1 1991

1,172. REVERSIBLE HOPF-BIFURCATION IN 4-DIMENSIONAL MAPS

By: ROY, TK; LAHIRI, A

PHYSICAL REVIEW A Volume: 44 Issue: 8 Pages: 4937-4944 Published: OCT 15 1991

1,173. MANIFEST AND NON-MANIFEST LORENTZ INVARIANCE FOR GAUGED SELF-DUAL BOSONS

By: GHOSH, S; MITRA, P

MODERN PHYSICS LETTERS A Volume: 6 Issue: 32 Pages: 2957-2963 Published: OCT 20 1991

1,174. MELITTIN-INDUCED CONFORMATIONAL-CHANGES IN HUMAN LENS PROTEIN

By: GHOSH, SK; CHATTOPADHYAY, D; SEN, AC; et al.

CURRENT EYE RESEARCH Volume: 10 Issue: 11 Pages: 1065-1068 Published: NOV 1991

1,175. RADIATION-INDUCED CHANGES IN FLAVIN FLUORESCENCE OF DIHYDROOROTATE DEHYDROGENASE

By: SAHA, A; MANDAL, PC; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 60 Issue: 5 Pages: 769-778 Published: NOV 1991

1,176. TOPOGRAPHY OF THE  $\text{AR}^{++}$ -SPUTTERED SI SURFACE

By: CHINI, TK; BHATTACHARYYA, SR; GHOSE, D; et al.

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS Volume: 30 Issue: 11A Pages: 2895-2896 Published: NOV 1991

1,177. GAMMA-IRRADIATION OF SUPERCONDUCTING  $\text{Bi-Sr-Ca-Cu-O}$  AND ITS LEAD-DOPES VARIETIES

By: DE, A; DAS, NR; BHATTACHARYYA, SN

JAPANESE JOURNAL OF APPLIED PHYSICS PART 2-LETTERS Volume: 30 Issue: 11A Pages: L1873-L1876 Published: NOV 1 1991

1,178. IMMOBILIZATION OF BARIUM, CADMIUM AND ANTIMONY CATIONS OVER ZIRCONIA

By: BHATTACHARYYA, DK; DUTTA, NC

JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY Volume: 28 Issue: 11 Pages: 1014-1018 Published: NOV 1991

1,179. MEASUREMENTS OF SUBNANOSECOND NUCLEAR LIFETIMES

By: DEY, CC; SINHA, BK; BHATTACHARYA, R; et al.

PHYSICAL REVIEW C Volume: 44 Issue: 5 Pages: 2213-2215 Published: NOV 1991

1,180. SURFACE COMPOSITIONS OF THE ORDERED AND DISORDERED PHASES OF AUCU<sub>3</sub>(100) BY CLUSTER BETHE LATTICE METHOD (CBLM)

By: POON, HC; KHANRA, BC

SOLID STATE COMMUNICATIONS Volume: 80 Issue: 5 Pages: 361-366 Published: NOV 1991

1,181. CONE FORMATION ON COPPER BY ION-BEAM SPUTTERING

By: SEN, AK; GHOSE, D

JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 10 Issue: 22 Pages: 1304-1306 Published: NOV 15 1991

1,182. AZBEL RESONANCES

By: BASU, C; MOOKERJEE, A; SEN, AK; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 3 Issue: 46 Pages: 9055-9065 Published: NOV 18 1991

1,183. STABILITY AGAINST NUCLEON DRIPPING IN HOT NUCLEI

By: DE, JN; BANDYOPADHYAY, D; SAMADDAR, SK; et al.

NUCLEAR PHYSICS A Volume: 534 Issue: 2 Pages: 294-302 Published: NOV 18 1991

1,184. GROUND AND EXCITED-STATES OF A BOUND POLARON IN A PURELY 2-DIMENSIONAL QUANTUM-WELL

By: SIL, S; CHATTERJEE, A

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 3 Issue: 47 Pages: 9401-9416 Published: NOV 25 1991

1,185. PURIFICATION AND PROPERTIES OF THE LOW-MOLECULAR-WEIGHT ALPHA-CRYSTALLIN FROM NORMAL GOAT LENS - COMPARISON WITH BOVINE LENS

By: ROY, B; GHOSH, SK

EXPERIMENTAL EYE RESEARCH Volume: 53 Issue: 6 Pages: 693-701 Published: DEC 1991

1,186. FINITE-TEMPERATURE GAUGE FIELD PROPAGATOR IN THE EARLY UNIVERSE

By: BANERJEE, N; MALLIK, S

PHYSICAL REVIEW D Volume: 44 Issue: 12 Pages: 3730-3736 Published: DEC 15 1991

1,187. NEUTRAL AND CHARGED CURRENT MEDIATED NEUTRINO HEATING OF SUPERNOVA SHOCKS AND SUPERNOVA-1987A

By: RAY, A; KAR, K

ASTROPHYSICAL LETTERS & COMMUNICATIONS Volume: 28 Issue: 5 Pages: 271-280 Published: 1992

1,188. ADAPTIVE RESPONSE OF VIBRIO-CHOLERAЕ AND ESCHERICHIA-COLI TO NITROFURANTOIN

By: BASAK, J; MUKHERJEE, U; CHATTERJEE, SN



ENVIRONMENTAL AND MOLECULAR MUTAGENESIS Volume: 20 Issue: 1 Pages: 53-60 Published: 1992

1,189. POSITRON-ANNIHILATION STUDY OF THE ANNEALING BEHAVIOR OF ALPHA-INDUCED DEFECTS IN TUNGSTEN

By: NAMBISSAN, PMG; SEN, P

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 124 Issue: 2 Pages: 215-221 Published: 1992

1,190. ROLE OF HYDROUS TITANIUM-OXIDE ON THE UPTAKE OF SEVERAL TRACER CATIONS, AND SEPARATION OF CARRIER- TE-125M FROM SB-125 AND I-132 FROM TE-132

By: BHATTACHARYYA, DK; DUTTA, NC

SEPARATION SCIENCE AND TECHNOLOGY Volume: 27 Issue: 3 Pages: 399-408 Published: 1992

1,191. BULK AND SURFACE CORE LEVEL BINDING-ENERGIES IN THE PT80FE20(111) ALLOY

By: BARRETT, N; GUILLOT, C; BERTOLINI, JC; et al.

SURFACE SCIENCE Volume: 260 Issue: 1-3 Pages: L11-L16 Published: JAN 1992

1,192. THE CRYSTAL AND MOLECULAR-STRUCTURE OF TRAMAZOLINE HYDROCHLORIDE MONOHYDRATE, C<sub>13</sub>H<sub>18</sub>N<sub>3</sub>+CL-BULLET-H<sub>2</sub>O

By: GHOSH, S; DATTAGUPTA, JK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 200 Issue: 1-2 Pages: 127-132 Published: 1992

1,193. CONSTRUCTION OF INTEGRABLE QUANTUM-LATTICE MODELS THROUGH SKLYANIN-LIKE ALGEBRAS

By: KUNDU, A; MALLICK, BB

MODERN PHYSICS LETTERS A Volume: 7 Issue: 1 Pages: 61-69 Published: JAN 10 1992

1,194. SPINOR FIELD-THEORY AT FINITE TEMPERATURE IN THE EARLY UNIVERSE

By: BANERJEE, N; MALLIK, S

PHYSICAL REVIEW D Volume: 45 Issue: 2 Pages: 701-704 Published: JAN 15 1992

1,195. STUDY ON THE IMMOBILIZATION BEHAVIOR OF BARIUM, CADMIUM AND ANTIMONY OVER SN(IV) AND CE(IV) OXIDES

By: BHATTACHARYYA, DK; DUTTA, NC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 31 Issue: 2 Pages: 120-124 Published: FEB 1992

1,196. HYDROGEN PEROXIDE-INDUCED DNA DAMAGES INVITRO REVEALED BY ELECTRON-MICROSCOPY

By: CHAUDHURI, S; BHATTACHARYYA, NP; BHATTACHARJEE, SB

JOURNAL OF ELECTRON MICROSCOPY Volume: 41 Issue: 1 Pages: 57-59 Published: FEB 1992

1,197. SCATTERING OF ANTIPROTONS ON O-18

By: TAMURA, K; OKI, Y; SAKAMOTO, Y; et al.

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 105  
Issue: 2 Pages: 203-213 Published: FEB 1992

1,198. FINITE TEMPERATURE STUDY OF RETRIEVAL TIME IN HOPFIELD NETWORK

By: GHOSH, M

PHYSICA A Volume: 181 Issue: 1-2 Pages: 23-28 Published: FEB 1 1992

1,199. INFLUENCE OF ELECTRON-PHONON COUPLING ON THE MOSSBAUER QUADRUPOLE INTERACTION IN FESIF66H2O

By: SINHA, TP

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 169 Issue: 2 Pages: 561-570 Published: FEB 1992

1,200. ANGULAR-DISTRIBUTION OF FAST PROTONS FROM THE PREEQUILIBRIUM PROCESS OF THE HO-165(ALPHA-P) REACTION

By: DE, A; SHIBATA, T; EJIRI, H

PHYSICAL REVIEW C Volume: 45 Issue: 2 Pages: 774-779 Published: FEB 1992

1,201. EXTENDED MEMORY LOADING CAPACITY OF A NEURAL NETWORK MODEL WITH DELAYED TIME INTERACTION

By: SEN, P; CHAKRABARTI, BK

PHYSICS LETTERS A Volume: 162 Issue: 4 Pages: 327-330 Published: FEB 17 1992

1,202. INVITRO INTERACTION BETWEEN NITROFURANTOIN AND VIBRIO-CHOLERAEE DNA

By: MUKHERJEE, U; CHATTERJEE, SN

CHEMICO-BIOLOGICAL INTERACTIONS Volume: 82 Issue: 1 Pages: 111-121 Published: MAR 1992

1,203. ETCHING TIME AND TEMPERATURE RELATIONSHIP FOR SOME SOLID-STATE NUCLEAR TRACK DETECTORS

By: MUKHERJEE, RN; BALIGA, BB

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 30 Issue: 3 Pages: 107-112 Published: MAR 1992

1,204. DECAY OF THE 6- ISOMER OF TM-164

By: CHAKRABARTI, A; SETHI, B; SAHA, SK; et al.

PHYSICAL REVIEW C Volume: 45 Issue: 3 Pages: 1026-1034 Published: MAR 1992

1,205. PREEQUILIBRIUM EMISSION EFFECTS IN THE MEASURED ISOMERIC YIELD RATIOS IN ALPHA-INDUCED REACTIONS ON AU-197

By: CHAKRAVARTY, N; SARKAR, PK; GHOSH, S

PHYSICAL REVIEW C Volume: 45 Issue: 3 Pages: 1171-1188 Published: MAR 1992

1,206. SIMS OF Y1BA2CU3O7-X AND (BI,PB)2SR2CA2CU3O10+DELTA SUPERCONDUCTORS

By: RAJASEKAR, P; CHAKRABORTY, P; RAY, N; et al.

VACUUM Volume: 43 Issue: 3 Pages: 215-218 Published: MAR 1992

1,207. OBLIQUE CONE FORMATION IN GE BY AR+ SPUTTERING

By: CHINI, TK; BHATTACHARYYA, SR; GHOSE, D; et al.

VACUUM Volume: 43 Issue: 3 Pages: 219-222 Published: MAR 1992

1,208. LIFETIME MEASUREMENTS OF 3 LEVELS BELONGING TO 4P(4)5D CONFIGURATION OF KR II

By: DAS, MB; BHATTACHARYA, R

ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS Volume: 22 Issue: 4 Pages: 699-700

Published: MAR 1992

1,209. INTENSE PIGMENTATION OF HUMAN LENS OF INDIAN ORIGIN - ROLE OF SUNLIGHT AND NUTRITION FACTOR

By: GHOSH, SK; UENO, N; CHAKRABARTI, B

INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE Volume: 33 Issue: 4 Pages: 1168-1168

Published: MAR 15 1992

1,210. FUSION LIMITED BY TEMPERATURE

By: BANDYOPADHYAY, D; SAMADDAR, SK; SAHA, R; et al.

NUCLEAR PHYSICS A Volume: 539 Issue: 2 Pages: 370-380 Published: MAR 23 1992

1,211. ROLE OF MAGNESIUM-ION IN THE INTERACTION BETWEEN CHROMOMYCIN-A3 AND DNA - BINDING OF CHROMOMYCIN-A3-MG<sup>2+</sup> COMPLEXES WITH DNA

By: AICH, P; SEN, R; DASGUPTA, D

BIOCHEMISTRY Volume: 31 Issue: 11 Pages: 2988-2997 Published: MAR 24 1992

1,212. BOOST NON-INVARIANT HYDRODYNAMICS IN ULTRARELATIVISTIC HEAVY-ION COLLISIONS

By: SRIVASTAVA, DK; ALAM, JE; CHAKRABARTY, S; et al.

PHYSICS LETTERS B Volume: 278 Issue: 3 Pages: 225-230 Published: MAR 26 1992

1,213. THEORETICAL-ANALYSIS OF GEL-ELECTROPHORETIC DATA FOR INTERACTION OF LYSINE RICH HISTONE WITH SUPERCOILED DNA

By: LAHIRI, A; CHAUDHURI, S; BHATTACHARYYA, NP

BIOPHYSICAL CHEMISTRY Volume: 42 Issue: 3 Pages: 223-228 Published: APR 1992

1,214. MELTING CHARACTERISTICS OF HIGHLY SUPERCOILED DNA

By: SEN, S; LAHIRI, A; MAJUMDAR, R

BIOPHYSICAL CHEMISTRY Volume: 42 Issue: 3 Pages: 229-234 Published: APR 1992

1,215. MOSSBAUER, XRD AND POSITRON-ANNIHILATION STUDIES ON NATURAL MAGNETITE AND HEMATITE ORE FROM ARI-DONGRI, CENTRAL INDIA

By: DAS, D; CHAKRABORTI, MB; CHOUDHURY, K; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 15 Issue: 2 Pages: 161-170 Published: APR 1992

1,216. DIFFERENTIAL ANGULAR-CORRELATION OF THE 1408-122 KEV CASCADE AND THE G-FACTOR OF THE 122 KEV 2+ LEVEL OF SM-152

By: DEY, CC; DAS, NR; SINHA, BK; et al.

CANADIAN JOURNAL OF PHYSICS Volume: 70 Issue: 4 Pages: 268-272 Published: APR 1992

1,217. INSTABILITIES IN A SANDPILE UNDER VIBRATION

By: CHAKRABARTI, BK; ACHARYYA, M

JOURNAL DE PHYSIQUE I Volume: 2 Issue: 4 Pages: 389-392 Published: APR 1992

1,218. MASS OF THE DIHYPERON IN THE COLOR-DIELECTRIC MODEL

By: PAL, D; MCGOVERN, JA

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 18 Issue: 4 Pages: 593-603  
Published: APR 1992

1,219. STABILIZATION OF COLLISIONAL DRIFT WAVES BY KINETIC ALFVEN WAVES

By: KAR, C; MAJUMDAR, SK; IYENGAR, ANS

JOURNAL OF PLASMA PHYSICS Volume: 47 Pages: 249-260 Part: 2 Published: APR 1992

1,220. GROWTH OF CORRELATION IN THE HOPFIELD MODEL

By: SEN, P

JOURNAL OF STATISTICAL PHYSICS Volume: 67 Issue: 1-2 Pages: 413-417 Published: APR 1992

1,221. ELASTIC-SCATTERING OF ALPHA-PARTICLES FROM AL-27 AT 50 MEV

By: MUKHERJEE, RN; DE, TK; BALIGA, BB

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 105  
Issue: 4 Pages: 517-522 Published: APR 1992

1,222. LIFETIMES OF THE 321 KEV, 636 KEV AND 642 KEV LEVELS OF TE-125

By: DEY, CC; SINHA, BK; BHATTACHARYA, R

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 105  
Issue: 4 Pages: 523-526 Published: APR 1992

1,223. SOLITARY MAGNETOSONIC WAVES WITH LANDAU DAMPING

By: JANAKI, MS; DASGUPTA, B; GUPTA, MR; et al.

PHYSICA SCRIPTA Volume: 45 Issue: 4 Pages: 368-372 Published: APR 1992

1,224. ALPHA-PARTICLE SCATTERING FROM LI-6 NEAR THE ALPHA-D BREAKUP THRESHOLD

By: SAMANTA, C; GHOSH, S; LAHIRI, M; et al.

PHYSICAL REVIEW C Volume: 45 Issue: 4 Pages: 1757-1766 Published: APR 1992

1,225. STUDY OF PARTICLE-TRANSPORT TO THE TOKAMAK EDGES AND THE DRIFT-WAVE-LIKE  
INSTABILITY OCCURRING IN THE SOL REGION

By: RAYCHAUDHURI, S; SENGUPTA, SN

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 34 Issue: 4 Pages: 475-486 Published: APR  
1992

1,226. DETERMINATION OF ANTIPROTON-NEUTRON AMPLITUDE FROM ELASTIC (P)BAR-DEUTERON SCATTERING AT 600 MEV/C

By: MAHALANABIS, J

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 342 Issue: 1 Pages: 101-105

Published: APR 1992

1,227. PERTURBED CHERN-SIMONS THEORY, FRACTIONAL STATISTICS, AND YANG-BAXTER ALGEBRA

By: CHATTERJEE, A; SREEDHAR, VV

PHYSICS LETTERS B Volume: 279 Issue: 1-2 Pages: 69-74 Published: APR 9 1992

1,228. PREEQUILIBRIUM PRODUCTION OF PHOTONS AND LEPTONS IN RELATIVISTIC HEAVY-ION COLLISIONS

By: CHAKRABARTY, S; RAHA, S; SINHA, B

MODERN PHYSICS LETTERS A Volume: 7 Issue: 11 Pages: 927-935 Published: APR 10 1992

1,229. COULOMB DISSOCIATION OF LI-11 AND BE-11 IN A DIRECT FRAGMENTATION MODEL

By: SHYAM, R; BANERJEE, P; BAUR, G

NUCLEAR PHYSICS A Volume: 540 Issue: 1-2 Pages: 341-352 Published: APR 13 1992

1,230. POSITRON-ANNIHILATION IN THE STUDY OF MATERIAL DAMAGE

By: SEN, P

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 314 Issue: 2 Pages: 366-372

Published: APR 15 1992

1,231. SURFACE-TOPOGRAPHY OF AR-40(+) AND KR-84(+) BOMBARDED COPPER, SILVER AND NICKEL

By: BHATTACHARYYA, SR; CHINI, TK; BASU, D

SURFACE & COATINGS TECHNOLOGY Volume: 51 Issue: 1-3 Pages: 392-398 Published: APR 15 1992

1,232. MOLECULAR ELECTROSTATIC POTENTIAL - A TOOL FOR THE PREDICTION OF THE PHARMACOPHORIC PATTERN OF DRUG MOLECULES

By: GUHA, S; MAJUMDAR, D; BHATTACHARJEE, AK

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 88 Pages: 61-74 Published: APR 23 1992

1,233. THEORETICAL-STUDIES ON THE CONFORMATIONAL PROPERTIES AND PHARMACOPHORIC PATTERN OF SEVERAL BIPYRIDINE CARDIOTONICS

By: BHATTACHARJEE, AK; MAJUMDAR, D; GUHA, S

JOURNAL OF THE CHEMICAL SOCIETY-PERKIN TRANSACTIONS 2 Issue: 5 Pages: 805-809 Published: MAY 1992

1,234. AMPLITUDE AND RISE TIME COMPENSATED TIME PICK-OFF CIRCUIT BASED ON EXTRAPOLATED LEADING-EDGE TIMING TECHNIQUE

By: BOSE, S; BHATTACHARYA, R

MEASUREMENT SCIENCE AND TECHNOLOGY Volume: 3 Issue: 5 Pages: 539-543 Published: MAY 1992

1,235. VISCOSITY OF GAMMA-IRRADIATED SILICONE

By: SANTRA, L; CHATTERJEE, BK; BHAUMIK, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 66 Issue: 4 Pages: 420-423 Published: MAY 1992

1,236. STUDIES ON HUMAN LENSES .2. DISTRIBUTION AND SOLUBILITY OF FLUORESCENT PIGMENTS IN CATARACTOUS AND NON-CATARACTOUS LENSES OF INDIAN ORIGIN

By: BANDYOPADHYAY, S; CHATTOPADHYAY, D; GHOSH, SK; et al.

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 55 Issue: 5 Pages: 765-772 Published: MAY 1992

1,237. NONLINEAR EVOLUTION OF ALFVEN WAVES IN A FINITE BETA-PLASMA - REPLY

By: SOM, BK; DASGUPTA, B; PATEL, VL; et al.

PHYSICS OF FLUIDS B-PLASMA PHYSICS Volume: 4 Issue: 5 Pages: 1372-1372 Published: MAY 1992

1,238. DO ANTICOMMUTATORS GIVE ADDITIONAL CONDITIONS ON ADIABATIC TIME-DEPENDENT HARTREE-FOCK PATH

By: MUKHERJEE, AK; MUKHOPADHYAY, D

PRAMANA-JOURNAL OF PHYSICS Volume: 38 Issue: 5 Pages: C539-C542 Published: MAY 1992

1,239. INCREASE IN CRITICAL-TEMPERATURE OF  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_x$  SUPERCONDUCTOR DUE TO ALPHA-PARTICLE IRRADIATION

By: BANDYOPADHYAY, SK; BARAT, P; KAR, S; et al.

SOLID STATE COMMUNICATIONS Volume: 82 Issue: 5 Pages: 397-399 Published: MAY 1992

1,240. LINEAR AND NONLINEAR AC SUSCEPTIBILITY OF REENTRANT SPIN-GLASS SYSTEM

By: CHAKRAVARTI, A; RANGANATHAN, R; BANSAL, C

SOLID STATE COMMUNICATIONS Volume: 82 Issue: 8 Pages: 591-595 Published: MAY 1992

1,241. INFORMATION OBTAINED FROM (P)BAR-NUCLEUS SCATTERING

By: MAHALANABIS, J; SAKAMOTO, Y

SOVIET JOURNAL OF NUCLEAR PHYSICS-USSR Volume: 55 Issue: 5 Pages: 718-722 Published: MAY 1992

1,242. SERIES STUDIES OF SELF-AVOIDING WALKS NEAR THE THETA-POINT ON 2D CRITICAL PERCOLATION CLUSTERS

By: BARAT, K; KARMAKAR, SN; CHAKRABARTI, BK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 25 Issue: 10 Pages: 2745-2751 Published: MAY 21 1992

1,243. EFFECT OF HYDRATION ON THE CONFORMATIONAL PROPERTIES AND PHARMACOPHORIC PATTERN OF SEVERAL GABA MEDIATORS

By: GUHA, S; MAJUMBAR, D

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 257 Issue: 3-4 Pages: 451-473

Published: MAY 25 1992

1,244. LIQUID-LIQUID-EXTRACTION OF TRACE LEVEL NIOBIUM AND TANTALUM BY TRIOCTYLAMINE

By: DAS, NR; LAHIRI, S

ANALYTICAL SCIENCES Volume: 8 Issue: 3 Pages: 317-322 Published: JUN 1992

1,245. DISTRIBUTION OF ANGULAR-MOMENTUM IN INCOMPLETE FUSION REACTION

By: KRISHAN, K; BHATTACHARYA, S; DE, JN; et al.

NUCLEAR PHYSICS A Volume: 542 Issue: 1 Pages: 159-172 Published: JUN 1 1992

1,246. MICROSCOPIC ANALYSIS OF ALPHA SCATTERING FROM SI-28 AT 40 AND 45 MEV

By: ROY, S; DEY, T; GOSWAMI, A; et al.

PHYSICAL REVIEW C Volume: 45 Issue: 6 Pages: 2904-2908 Published: JUN 1992

1,247. AN AUTOMATED THERMOELECTRIC-POWER APPARATUS USING ELECTROOPTIC RELAYS

By: CHAKRAVARTI, A; RANGANATHAN, R

PRAMANA-JOURNAL OF PHYSICS Volume: 38 Issue: 6 Pages: 695-702 Published: JUN 1992

1,248. ALGEBRAIC APPROACH TO ANOMALOUS SIGMA-MODELS

By: BANERJEE, R; GHOSH, S

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 54 Issue: 4 Pages: 577-579 Published: JUN 1992

1,249. INTERACTION BETWEEN ANTITUMOR ANTIBIOTIC CHROMOMYCIN A3 AND MG<sup>2+</sup> .1. EVIDENCE FOR THE FORMATION OF 2 TYPES OF CHROMOMYCIN-A3-MG<sup>2+</sup> COMPLEXES

By: AICH, P; SEN, R; DASGUPTA, D

CHEMICO-BIOLOGICAL INTERACTIONS Volume: 83 Issue: 1 Pages: 23-33 Published: JUN 15 1992

1,250. CHIRAL SCHWINGER MODEL WITH A FADDEEVIAN REGULARIZATION

By: MITRA, P

PHYSICS LETTERS B Volume: 284 Issue: 1-2 Pages: 23-26 Published: JUN 18 1992

1,251. A SEMIEMPIRICAL EXPRESSION FOR THE GEL-ELECTROPHORETIC MOBILITY OF SUPERCOILED DNA

By: LAHIRI, A; SEN, S

BIOPOLYMERS Volume: 32 Issue: 7 Pages: 893-896 Published: JUL 1992

1,252. ON THE INDUCTION OF UMU GENE-EXPRESSION IN SALMONELLA-TYPHIMURIUM STRAIN TA1535 PSK1002 BY SOME NITROFURANS

By: PAL, AK; RAHMAN, MS; CHATTERJEE, SN

MUTATION RESEARCH Volume: 280 Issue: 1 Pages: 67-71 Published: JUL 1992

1,253. VIBRONIC-COUPPLING EFFECT ON THE PARAMAGNETIC  $Fe^{2+}$  IONS IN AN INSULATOR -  
MOSSBAUER QUADRUPOLE SPLITTING IN A BIOLOGICAL SYSTEM

By: SINHA, TP

PHYSICAL REVIEW B Volume: 46 Issue: 2 Pages: 632-638 Published: JUL 1 1992

1,254. A MULTIFRACTAL ANALYSIS FOR ELECTRONIC TRANSMITTANCE IN INHOMOGENEOUS  
POTENTIALS

By: THAKUR, PK; BASU, C; MOOKERJEE, A; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 4 Issue: 28 Pages: 6095-6107 Published: JUL  
13 1992

1,255. MODELING NEURAL NETWORKS

By: CHAKRABARTI, BK; DASGUPTA, PK

PHYSICA A Volume: 186 Issue: 1-2 Pages: 33-48 Published: JUL 15 1992

1,256. MONTE-CARLO STUDY OF HYSTERETIC RESPONSE FOR THE 2-DIMENSIONAL ISING SYSTEM -  
SCALING BEHAVIOR

By: ACHARYYA, M; CHAKRABARTI, BK; SEN, AK

PHYSICA A Volume: 186 Issue: 1-2 Pages: 231-236 Published: JUL 15 1992

1,257. QUANTUM PERCOLATION AND BREAKDOWN - ABSENCE OF THE DELOCALIZATION TRANSITION  
IN 2 DIMENSIONS

By: MOOKERJEE, A; CHAKRABARTI, BK; DASGUPTA, I; et al.

PHYSICA A Volume: 186 Issue: 1-2 Pages: 258-269 Published: JUL 15 1992

1,258. ELECTRONIC TRANSPORT AND RESONANCES IN 2 RANDOM DIMER MODELS IN ONE DIMENSION  
- ANY RELEVANCE TO CONDUCTING POLYANILINE

By: SEN, AK; GANGOPADHYAY, S

PHYSICA A Volume: 186 Issue: 1-2 Pages: 270-284 Published: JUL 15 1992

1,259. STATISTICAL PHYSICS OF DISORDERED SOLIDS, POLYMERS AND GLASSES - STATPHYS, CALCUTTA  
- WORKSHOP HELD BY S.N. BOSE NATIONAL CENTER FOR BASIC SCIENCES CALCUTTA, INDIA 27  
DECEMBER 1991 - 7 JANUARY 1992 - PREFACE

By: MOOKERJEE, A; CHAKRABARTI, BK

PHYSICA A Volume: 186 Issue: 1-2 Pages: R13-R14 Published: JUL 15 1992

1,260. GROUND-STATE PROPERTIES OF A ONE-DIMENSIONAL FRUSTRATED QUANTUM XY MODEL

By: SEN, P

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 186 Issue: 1-2 Pages: 306-313  
Published: JUL 15 1992

1,261. FRUSTRATED TRANSVERSE ISING-MODELS - A CLASS OF FRUSTRATED QUANTUM-SYSTEMS

By: SEN, P; CHAKRABARTI, BK

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 6 Issue: 14 Pages: 2439-2469  
Published: JUL 20 1992



1,262. PHOTONS AND DILEPTONS FROM AN EXPANDING QUARK-GLUON PLASMA

By: ALAM, J; CHAKRABARTY, S; RAHA, S; et al.

NUCLEAR PHYSICS A Volume: 544 Issue: 1-2 Pages: C493-C496 Published: JUL 20 1992

1,263. CRYSTAL-STRUCTURE OF A NUCLEOSIDE ANALOG - 1-(R)-[6-(R)-HYDROXYMETHYL-1,4-DIOXAN-2-YL] URACIL

By: DAS, AK; DATTA, M; MAZUMDAR, SK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 22 Issue: 4 Pages: 439-442 Published: AUG 1992

1,264. EFFECT OF HYDROGEN-PEROXIDE ON MAMMALIAN CHROMATIN - ELECTRON-MICROSCOPIC STUDIES

By: CHAUDHURI, S; SENGUPTA, S; BHATTACHARYYA, NP; et al.

JOURNAL OF ELECTRON MICROSCOPY Volume: 41 Issue: 4 Pages: 261-263 Published: AUG 1992

1,265. H-1-NMR STUDY OF CENIALHX AND CECUALHX

By: BANDYOPADHYAY, B; GHOSHRAY, K; GHOSHRAY, A; et al.

PHYSICAL REVIEW B Volume: 46 Issue: 5 Pages: 2912-2919 Published: AUG 1 1992

1,266. DYNAMIC STRUCTURE FACTOR OF A FIBONACCI LATTICE - A RENORMALIZATION-GROUP APPROACH

By: KARMAKAR, SN; CHAKRABARTI, A; MOITRA, RK

PHYSICAL REVIEW B Volume: 46 Issue: 6 Pages: 3660-3663 Published: AUG 1 1992

1,267. ULTRA LOW Q(A) DISCHARGE EXPERIMENTS IN THE SINP TOKAMAK

By: IYENGAR, ANS; MAJUMDAR, SK; BASU, J; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 39 Issue: 2 Pages: 181-191 Published: AUG 1992

1,268. MEASUREMENT OF K-ELECTRON CAPTURE PROBABILITY (P(K)) IN THE DECAY OF HG-197 (64.1-H)

By: DASMAHAPATRA, B; BHATTACHARYA, S

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 343 Issue: 2 Pages: 161-164

Published: AUG 1992

1,269. HIDDEN QUANTUM GROUP-STRUCTURE IN A RELATIVISTIC QUANTUM INTEGRABLE MODEL

By: MALLICK, BB; KUNDU, A

PHYSICS LETTERS B Volume: 287 Issue: 1-3 Pages: 149-153 Published: AUG 6 1992

1,270. SPECTRAL PARAMETER-DEPENDENT APPROACH TO QUANTIZED ALGEBRA, ITS MULTIPARAMETER DEFORMATIONS AND THEIR Q-OSCILLATOR REALIZATIONS

By: MALLICK, BB; KUNDU, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 25 Issue: 15 Pages: 4147-4156

Published: AUG 7 1992

1,271. CONDUCTANCE FLUCTUATIONS IN THE MESOSCOPIC REGIME IN A QUANTUM DISORDERED CHAIN

By: GANGOPADHYAY, S; SEN, AK

PHYSICAL REVIEW B Volume: 46 Issue: 7 Pages: 4020-4025 Published: AUG 15 1992

1,272. ON THE NATURE OF EIGENSTATES OF QUASI-PERIODIC LATTICES IN ONE DIMENSION

By: CHAKRABARTI, A; KARMAKAR, SN; MOITRA, RK

PHYSICS LETTERS A Volume: 168 Issue: 4 Pages: 301-304 Published: AUG 31 1992

1,273. THE HARMONIC LATTICE, RECOILLESS TRANSITIONS, AND THE COHERENT STATE

By: BATEMAN, DS; BOSE, SK; DUTTARROY, B; et al.

AMERICAN JOURNAL OF PHYSICS Volume: 60 Issue: 9 Pages: 829-832 Published: SEP 1992

1,274. PROPAGATION IN A COLLISIONAL MAGNETIZED PLASMA-COLUMN BOUNDED BY A CONDUCTING CYLINDER

By: BISWAS, S; BASU, J

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 30 Issue: 9 Pages: 423-426 Published: SEP 1992

1,275. ALPHA-ACTIVATION ANALYSIS OF REFINED PETROLEUM

By: DAS, NR; BASU, D

NUCLEAR GEOPHYSICS Volume: 6 Issue: 3 Pages: 367-370 Published: SEP 1992

1,276. TIME-DIFFERENTIAL ANGULAR-CORRELATION OF THE 208-113 KEV CASCADE OF HF-177 AT SUBNANOSECOND TIME RESOLUTION

By: DEY, CC; SINHA, BK; BHATTACHARYA, R

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 105 Issue: 9 Pages: 1307-1311 Published: SEP 1992

1,277. COMPETING INTERACTIONS AND SPIN-GLASS-LIKE FEATURES IN THE UCU2GE2 SYSTEM

By: CHAKRAVARTI, A; RANGANATHAN, R; ROY, SB

PHYSICAL REVIEW B Volume: 46 Issue: 10 Pages: 6236-6239 Published: SEP 1 1992

1,278. PATH-INTEGRAL TREATMENT OF THE LARGE-BIPOLARON PROBLEM - COMMENT

By: SIL, S; CHATTERJEE, A

PHYSICAL REVIEW B Volume: 46 Issue: 10 Pages: 6633-6634 Published: SEP 1 1992

1,279. NONLINEAR RESONANT HEATING AT ELECTRON-CYCLOTRON SUBHARMONIC FREQUENCY

By: JANAKI, MS; DASGUPTA, B

PHYSICS OF FLUIDS B-PLASMA PHYSICS Volume: 4 Issue: 9 Pages: 2696-2698 Published: SEP 1992

1,280. ELECTRON-CYCLOTRON ABSORPTION IN A LOSS CONE DISTRIBUTION WITH TEMPERATURE ANISOTROPY

By: JANAKI, MS; DASGUPTA, B

PHYSICS OF FLUIDS B-PLASMA PHYSICS Volume: 4 Issue: 9 Pages: 2744-2750 Published: SEP 1992

1,281. NUMERICAL ESTIMATE OF THE PHASE-DIAGRAM OF FINITE ANNNI CHAINS IN TRANSVERSE FIELD

By: SEN, P; CHAKRABORTY, S; DASGUPTA, S; et al.

ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 88 Issue: 3 Pages: 333-338 Published: SEP 1992

1,282. REACTIONS OF CARBONATE RADICAL WITH COBALT(II) AMINOPOLYCARBOXYLATES

By: MANDAL, PC; BARDHAN, DK; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-LETTERS Volume: 166 Issue: 2 Pages: 87-96 Published: SEP 21 1992

1,283. NUCLEAR MICROANALYSIS OF TITANIUM

By: DAS, NR; LAHIRI, S; BASU, D; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-LETTERS Volume: 166 Issue: 2 Pages: 117-122 Published: SEP 21 1992

1,284. CRYSTAL AND MOLECULAR-STRUCTURE OF 3-TERT-BUTYL-1-ETHYL-1-[(4-CHLOROBENZENE) SULFONYL] UREA

By: DATTA, M; MAZUMDAR, B; DAS, AK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 22 Issue: 5 Pages: 541-546 Published: OCT 1992

1,285. INVESTIGATION OF THE LAYERED COMPOUND  $Fe_{0.5}Cd_{0.5}PS_3$

By: BHOWMICK, A; BAL, B; GANGULY, S; et al.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 53 Issue: 10 Pages: 1279-1284 Published: OCT 1992

1,286. EXTRACTION AND SEPARATION OF ZR, NB AND HF BY ALIQUOT-336 AND ITS MIXTURES WITH TOPO FROM ACIDIC THIOCYANATE MEDIA

By: MISHRA, PK; CHAKRAVORTTY, V; DASH, KC; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 162 Issue: 2 Pages: 289-298 Published: OCT 1992

1,287. RADIATION-INDUCED INACTIVATION OF DIHYDROOROTATE DEHYDROGENASE IN DILUTE AQUEOUS-SOLUTION

By: SAHA, A; MANDAL, PC; BHATTACHARYYA, SN

RADIATION RESEARCH Volume: 132 Issue: 1 Pages: 7-12 Published: OCT 1992

1,288. STRUCTURE OF 3-TERT-BUTYL-1-[(4-CHLOROPHENYL)SULFONYL]-1-METHYLUREA

By: GHOSH, M; DAS, AK; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 48 Pages: 1862-1864 Part: 10 Published: OCT 15 1992

1,289. MASSIVE MAJORANA NEUTRINOS IN PREBOUNCE SUPERNOVAE

By: GOSWAMI, S; KAR, K; RAYCHAUDHURI, A

PHYSICAL REVIEW D Volume: 46 Issue: 8 Pages: 3278-3289 Published: OCT 15 1992

1,290. SIEGEL GAUGE-INVARIANCE AND QUANTIZATION

By: MITRA, P

MODERN PHYSICS LETTERS A Volume: 7 Issue: 32 Pages: 3007-3011 Published: OCT 20 1992

1,291. NONLINEAR AC RESPONSE NEAR PERCOLATION-THRESHOLD AND 3-VARIABLE SCALING

By: BARDHAN, KK; CHAKRABARTY, RK

PHYSICAL REVIEW LETTERS Volume: 69 Issue: 17 Pages: 2559-2562 Published: OCT 26 1992

1,292. BEHAVIOR OF THE ELECTRONIC STATES IN THE HARPER MODEL IN ONE DIMENSION

By: GUPTA, AK; SEN, AK

JOURNAL DE PHYSIQUE I Volume: 2 Issue: 11 Pages: 2039-2045 Published: NOV 1992

1,293. IMMOBILIZATION OF BARIUM, CADMIUM AND ANTIMONY OVER TITANIA

By: BHATTACHARYYA, DK; DUTTA, NC

JOURNAL OF MATERIALS SCIENCE Volume: 27 Issue: 21 Pages: 5948-5952 Published: NOV 1 1992

1,294. BERRY PHASE FOR ANHARMONIC-OSCILLATORS

By: DATTA, N; GHOSH, G

PHYSICAL REVIEW A Volume: 46 Issue: 9 Pages: 5358-5362 Published: NOV 1 1992

1,295. THERMOELECTRIC-POWER OF THE  $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{YxCu}_2\text{O}_{8+y}$  ( $x=0-1.0$ ) SYSTEM

By: MANDAL, JB; KESHRI, S; MANDAL, P; et al.

PHYSICAL REVIEW B Volume: 46 Issue: 18 Pages: 11840-11846 Published: NOV 1 1992

1,296. NUMERICAL INVESTIGATION OF NON-EIKONAL CORRECTIONS TO THE GLAUBER MODEL AT INTERMEDIATE ENERGIES

By: FALDT, G; INGEMARSSON, A; MAHALANABIS, J

PHYSICAL REVIEW C Volume: 46 Issue: 5 Pages: 1974-1981 Published: NOV 1992

1,297. LOW-SPIN IDENTICAL BANDS IN THE NPNN SCHEME

By: SAHA, M; SEN, S

PHYSICAL REVIEW C Volume: 46 Issue: 5 Pages: R1587-R1590 Published: NOV 1992

1,298. SURFACE SEGREGATION IN SMALL BIMETALLIC PARTICLES

By: MODAK, S; KHANRA, BC

SOLID STATE COMMUNICATIONS Volume: 84 Issue: 6 Pages: 663-667 Published: NOV 1992

1,299. INVESTIGATION OF CR-3+ SUBSTITUTED GAMMA- $\text{Fe}_2\text{O}_3$  CATALYST IN ITS ACTIVE FORM

By: SENGUPTA, AC; KUNDU, ML; MAITI, GC; et al.

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 31 Issue: 12 Pages: 909-914 Published: DEC 1992

1,300. REVERSED PHASE CHROMATOGRAPHIC-SEPARATION OF ZIRCONIUM, NIOBIUM AND HAFNIUM TRACERS WITH HDEHP

By: DAS, NR; LAHIRI, S

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 163 Issue: 2 Pages: 213-223 Published: DEC 1992

1,301. THE ANGULAR-DEPENDENCE OF SPUTTERING YIELDS OF GE AND AG

By: CHINI, TK; BHATTACHARYYA, SR; GHOSE, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 72 Issue: 3-4 Pages: 355-358 Published: DEC 1992

1,302. REALISTIC ESTIMATE OF INCOMPLETE FUSION EXCITATION-FUNCTION IN NUCLEUS-NUCLEUS COLLISIONS

By: SAMADDAR, SK; DE, JN; SPERBER, D

PHYSICAL REVIEW C Volume: 46 Issue: 6 Pages: 2631-2634 Published: DEC 1992

1,303. HIGH-SPIN ISOMER IN SM-151

By: CHATTERJEE, JM; BASU, S; CHATTOPADHYAY, RK; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 344 Issue: 2 Pages: 149-154 Published: DEC 1992

1,304. SOLUTIONS OF THE NONADDITIVE YBE BY SPECTRAL PARAMETER FACTORIZATION AND RE-YANG-BAXTERIZATION

By: KUNDU, A; MALLICK, BB

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 25 Issue: 23 Pages: 6307-6316 Published: DEC 7 1992

1,305. THE RESONANCE STRUCTURE IN A RANDOM DIMER MODEL

By: GANGOPADHYAY, S; SEN, AK

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 4 Issue: 49 Pages: 9939-9954 Published: DEC 7 1992

1,306. CHIRAL BOSONS COUPLED TO LIOUVILLE GRAVITY IN THE FADDEEV-JACKIW FORMALISM

By: BANERJEE, N; CHATTERJEE, D; GHOSH, S

PHYSICAL REVIEW D Volume: 46 Issue: 12 Pages: 5590-5597 Published: DEC 15 1992

1,307. INDUCTION OF SOS LIKE RESPONSES BY NITROFURANTOIN IN VIBRIO-CHOLERAEL-TOR CELLS

By: RAHMAN, MS; PAL, AK; CHATTERJEE, SN

ARCHIVES OF MICROBIOLOGY Volume: 159 Issue: 1 Pages: 98-100 Published: JAN 1993

1,308. CRYSTAL-STRUCTURE OF ANGENOMALIN - A FURANOCOUMARIN

By: GUPTA, VK; RAJNIKANT; GOSWAMI, KN; et al.

CRYSTAL RESEARCH AND TECHNOLOGY Volume: 28 Issue: 2 Pages: 187-191 Published: 1993

1,309. CRYSTAL-STRUCTURE OF 14-DEOXY-11,12-DIDEHYDRO-ANDROGRAPHOLIDE - A DITERPENOID

By: GUPTA, VK; RAJNIKANT; GOSWAMI, KN; et al.

CRYSTAL RESEARCH AND TECHNOLOGY Volume: 28 Issue: 3 Pages: 359-364 Published: 1993

1,310. MOSSBAUER STUDY ON M1 AND M2 SITES OF FE<sup>2+</sup> IN NATURAL HYPERSTHENE UNDER DYNAMIC CRYSTAL-FIELD POTENTIAL APPROACH

By: SINHA, TP; DAS, D; BHATTACHARYA, M

HYPERFINE INTERACTIONS Volume: 77 Issue: 1-2 Pages: 29-42 Published: 1993

1,311. ULTRAVIOLET RADIATION-INDUCED LIPID-PEROXIDATION IN LIPOSOMAL MEMBRANE - MODIFICATION BY CAPSAICIN

By: DE, AK; GHOSH, JJ; MANDAL, TK

PHYTOTHERAPY RESEARCH Volume: 7 Issue: 1 Pages: 87-89 Published: JAN-FEB 1993

1,312. COLLOIDAL FERRIC-OXIDE - A NEW PHOTOSENSITIZER FOR GRAFTING ACRYLAMIDE ONTO CELLULOSE-ACETATE FILMS

By: CHATTERJEE, S; SARKAR, S; BHATTACHARYYA, SN

POLYMER Volume: 34 Issue: 9 Pages: 1979-1980 Published: 1993

1,313. LIQUID-LIQUID-EXTRACTION AND REVERSED-PHASE CHROMATOGRAPHIC-SEPARATION OF PARENT-DAUGHTER, ZR-95 NB-95, WITH TOA

By: DAS, NR; SINGH, K; LAHIRI, S

RADIOCHIMICA ACTA Volume: 62 Issue: 4 Pages: 213-216 Published: 1993

1,314. ANOMALOUS PRODUCTION OF GEN<sup>+</sup> (N = 2, 3) SECONDARY IONS IN THE CASE OF 3-10 KEV AR<sup>+</sup> BOMBARDED GE

By: RAY, N; RAJASEKAR, P; CHAKRABORTY, P; et al.

VACUUM Volume: 44 Issue: 1 Pages: 23-28 Published: JAN 1993

1,315. CRYSTAL-STRUCTURE OF P-AMINOHIPURIC ACID C-9H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>

By: CHAKRABARTI, C; DATTA GUPTA, JK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 207 Pages: 53-58 Part: 1 Published: 1993

1,316. SCATTERING LENGTH EXPANSION OF THE COUPLED CHANNELS (P)OVER-BAR-P -] (LAMBDA)OVER-BAR-LAMBDA AND (LAMBDA)OVER-BAR-LAMBDA -] (LAMBDA)OVER-BAR-LAMBDA NEAR THE LAMBDA-PRODUCTION THRESHOLD

By: SCHNEIDERNEUREITHER, AG; PIRNER, HJ; KERBIKOV, B; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 344 Issue: 3 Pages: 317-323 Published: JAN 1993

1,317. STRUCTURE OF A NUCLEOSIDE ANALOG - ALPHA-(1-THYMINYLMETHYL)-GAMMA-BUTYROLACTONE

By: DAS, AK; MAZUMDAR, SK; DAS, N; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 49 Pages: 177-179 Part: 1 Published: JAN 15 1993

- 1,318. MONTE-CARLO STUDY OF HYSTERETIC RESPONSE AND RELAXATION IN ISING-MODELS  
By: ACHARYYA, M; CHAKRABARTI, BK  
PHYSICA A Volume: 192 Issue: 3 Pages: 471-485 Published: JAN 15 1993
- 1,319. SURFACE SEGREGATION STUDY OF A DILUTE PD1FE99 ALLOY BY LEIS AND XPS  
By: BERTOLINI, JC; ROUSSET, JL; MIEGGE, P; et al.  
SURFACE SCIENCE Volume: 281 Issue: 1-2 Pages: 102-110 Published: JAN 20 1993
- 1,320. STUDY OF PHOTODYNAMIC REACTIONS OF P-NITROACETOPHENONE USING ESR AND OPTICAL TECHNIQUES  
By: KRISHNA, CM; ROY, AK  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 30 Issue: 1 Pages: 7-9 Published: FEB 1993
- 1,321. RESPONSE OF MTX-RESISTANT V79 CELLS TO SOME DNA-DAMAGING AGENTS  
By: ROY, M; SENGUPTA, S; BHATTACHARYYA, NP; et al.  
MUTATION RESEARCH Volume: 285 Issue: 2 Pages: 199-207 Published: FEB 1993
- 1,322. CHARACTERIZATION OF METHOTREXATE-RESISTANT CLONES  
By: ROY, M; SENGUPTA, S; GHOSH, R; et al.  
MUTATION RESEARCH Volume: 291 Issue: 1 Pages: 43-51 Published: FEB 1993
- 1,323. MAGNETIC-MOMENTS OF EVEN RARE-EARTH NUCLEI IN THE CRANKED HFB APPROACH  
By: SAHA, M; SEN, S  
NUCLEAR PHYSICS A Volume: 552 Issue: 1 Pages: 37-56 Published: FEB 1 1993
- 1,324. RADIATIVE ORBITAL ELECTRON-CAPTURE IN SN-113  
By: FLOWER, SL; BABU, BRS; NEELAKANDAN, K; et al.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 106 Issue: 2 Pages: 163-170 Published: FEB 1993
- 1,325. CAVITY-FIELD-ASSISTED ATOMIC RELAXATION AND SUPPRESSION OF RESONANCE FLUORESCENCE AT HIGH INTENSITIES  
By: GANGOPADHYAY, G; BASU, S; RAY, DS  
PHYSICAL REVIEW A Volume: 47 Issue: 2 Pages: 1314-1319 Published: FEB 1993
- 1,326. NPNN SCHEME AND THE SATURATION OF COLLECTIVITY IN THE A-APPROXIMATE-TO-170 AND 230 REGIONS  
By: SAHA, M; SEN, S  
PHYSICAL REVIEW C Volume: 47 Issue: 2 Pages: 884-887 Published: FEB 1993
- 1,327. AN IMPROVED LAMB SHIFT CALCULATION FOR A BOUND POLARON IN A PURELY 2-DIMENSIONAL QUANTUM-WELL  
By: SIL, S; CHATTERJEE, A

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 5 Issue: 8 Pages: 1169-1172 Published: FEB 22 1993

1,328. GEOMETRIC PHASE IN Q-DEFORMED QUANTUM-MECHANICS

By: DUTTARROY, B; GHOSH, G

PHYSICS LETTERS A Volume: 173 Issue: 6 Pages: 439-441 Published: FEB 22 1993

1,329. STABILITY OF INVARIANT CURVES IN 4-DIMENSIONAL REVERSIBLE MAPPINGS NEAR 1/1 RESONANCE

By: LAHIRI, A; BHOWAL, A; ROY, TK; et al.

PHYSICA D Volume: 63 Issue: 1-2 Pages: 99-116 Published: FEB 28 1993

1,330. CANONICAL QUANTIZATION AND GAUGE INVARIANT ANYON OPERATORS IN CHERN-SIMONS SCALAR ELECTRODYNAMICS

By: BANERJEE, R; CHATTERJEE, A; SREEDHAR, VV

ANNALS OF PHYSICS Volume: 222 Issue: 2 Pages: 254-290 Published: MAR 1993

1,331. REACTIONS OF NI(II) AND ITS COMPLEXES WITH  $\cdot$ -RADICALS DERIVED FROM THYMINE

By: CHAKRABARTI, S; MANDAL, PC; BHATTACHARYYA, SN

CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE Volume: 71 Issue: 3 Pages: 307-312 Published: MAR 1993

1,332. THE EFFECT OF COMPLEXING AGENTS ON THE EXTRACTION OF LANTHANIDES BY DI(2-ETHYL HEXYL) PHOSPHORIC-ACID

By: BHATTACHARYYA, SN; GANGULY, KM

HYDROMETALLURGY Volume: 32 Issue: 2 Pages: 201-208 Published: MAR 1993

1,333. STUDIES OF BONDING AND VALENCE STATES IN YBA<sub>2</sub>CU<sub>3</sub>O<sub>7-x</sub> THROUGH SECONDARY-ION-MASS SPECTROMETRY

By: RAJASEKAR, P; CHAKRABORTY, P; RAY, N; et al.

JOURNAL OF APPLIED PHYSICS Volume: 73 Issue: 5 Pages: 2429-2432 Published: MAR 1 1993

1,334. CRYSTAL-STRUCTURE OF A NUCLEOSIDE ANALOG - 9-(R)-[6-(R)-HYDROXYMETHYL-1-OXA-4-THIACYCLOHEXAN-2-YL] ADENINE

By: DAS, AK; MAZUMDAR, SK; DAS, N; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 3 Pages: 177-180 Published: MAR 1993

1,335. CRYSTAL AND MOLECULAR-STRUCTURE OF ALPHA-(9-ADENINYLMETHYL) BUTYROLACTONE

By: DAS, AK; DATTA, M; MAZUMDAR, SK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 3 Pages: 247-249 Published: MAR 1993

1,336. CLASSICAL AND QUANTUM INTEGRABILITY OF A DERIVATIVE NONLINEAR SCHRÖDINGER MODEL RELATED TO QUANTUM GROUP



By: KUNDU, A; MALLICK, BB

JOURNAL OF MATHEMATICAL PHYSICS Volume: 34 Issue: 3 Pages: 1052-1062 Published: MAR 1993

1,337. MICROWAVE-SPECTRUM OF ALLYL ISOCYANATE - GAUCHE CONFORMER

By: MAITI, S; JAMAN, AI; NANDI, RN

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 158 Issue: 1 Pages: 8-13 Published: MAR 1993

1,338. ELECTRONIC STATES AND  $Fe^{2+}$  QUADRUPOLE SPLITTING IN  $Fe[(CH_3)_2SO]_6(CLO_4)_2$  UNDER ORBIT LATTICE INTERACTION

By: SINHA, TP

PHYSICA B-CONDENSED MATTER Volume: 183 Issue: 3 Pages: 312-316 Published: MAR 1993

1,339. SMALL TO LARGE POLARON TRANSITION IN A STRONGLY CORRELATED SYSTEM

By: DAS, AN; SIL, S

PHYSICA C Volume: 207 Issue: 1-2 Pages: 51-57 Published: MAR 1 1993

1,340. SPECTROSCOPY OF I-123

By: GOSWAMI, R; SETHI, B; BANERJEE, P; et al.

PHYSICAL REVIEW C Volume: 47 Issue: 3 Pages: 1013-1019 Published: MAR 1993

1,341. DISTORTED-WAVE ANALYSIS OF PROTON-SCATTERING FROM LI-6 NEAR THE ALPHA-D BREAKUP THRESHOLD

By: SAMANTA, C; LAHIRI, M; ROY, S; et al.

PHYSICAL REVIEW C Volume: 47 Issue: 3 Pages: 1313-1316 Published: MAR 1993

1,342. EFFECT OF UV-A ON THE LINOLENIC ACID MICELLES

By: BOSE, B; CHATTERJEE, SN

RADIATION RESEARCH Volume: 133 Issue: 3 Pages: 340-344 Published: MAR 1993

1,343. REENTRANT MAGNETIC-BEHAVIOR IN  $(NiFe)_{25}Au_{75}$  ALLOY

By: RANGANATHAN, R; VAIDYANATHAN, LS; CHAKRAVARTI, A; et al.

SOLID STATE COMMUNICATIONS Volume: 85 Issue: 11 Pages: 911-915 Published: MAR 1993

1,344. SPECTROSCOPIC EVALUATION OF SOLUBLE AND INSOLUBLE LENS CRYSTALLINS ISOLATED FROM LOW AND HIGH-INCOME GROUP CATARACT PATIENTS OF INDIA

By: CHAKRABARTI, B; MEISLER, A; GHOSH, SK; et al.

INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE Volume: 34 Issue: 4 Pages: 987-987  
Published: MAR 15 1993

1,345.  $Ar^+$ -ION SPUTTERING-INDUCED SURFACE-TOPOGRAPHY DEVELOPMENT ON ALUMINUM

By: SEN, AK; GHOSE, D

JOURNAL OF MATERIALS SCIENCE Volume: 28 Issue: 6 Pages: 1525-1531 Published: MAR 15 1993

- 1,346. SYNTHESIS AND STRUCTURAL STUDIES OF TETRAAQUACOPPER(II) DIAQUABIS(MALONATO)CUPRATE(II)  
By: CHATTOPADHYAY, D; CHATTOPADHYAY, SK; LOWE, PR; et al.  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 6 Pages: 913-916 Published: MAR 21 1993
- 1,347. ON THE ANGULAR-DEPENDENCE OF BOMBARDMENT INDUCED LIGHT-EMISSION  
By: GHOSE, D  
ACTA PHYSICA POLONICA A Volume: 83 Issue: 4 Pages: 481-484 Published: APR 1993
- 1,348. ACCURATE MEASUREMENT OF THE INTENSITY OF 255.1-KEV GAMMA-RAY IN THE DECAY OF SN-113(115.1D)  
By: MUKHERJEE, A; BHATTACHARYA, S; DASMAHAPATRA, B  
APPLIED RADIATION AND ISOTOPES Volume: 44 Issue: 4 Pages: 731-735 Published: APR 1993
- 1,349. STRUCTURAL-PROPERTIES OF PLANAR RANDOM HEAP OF HARD DISKS  
By: ACHARYYA, M  
JOURNAL DE PHYSIQUE I Volume: 3 Issue: 4 Pages: 905-908 Published: APR 1993
- 1,350. CRYSTAL-STRUCTURE OF 5-FLUORO-1-(2,3,6-TRIDEOXY-ALPHA-L-GLYCERO-HEX-2-ENOPYRANOS-4-ULOSYL)URACIL  
By: DAS, AK; DATTA, M; MAZUMDAR, SK; et al.  
JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 4 Pages: 301-303 Published: APR 1993
- 1,351. OBSERVATION OF A PAKE DOUBLET IN THE H-1-NMR SPECTRUM OF CENIINH<sub>X</sub>  
By: GHOSHRAJ, K; BANDYOPADHYAY, B; SEN, M; et al.  
PHYSICAL REVIEW B Volume: 47 Issue: 13 Pages: 8277-8280 Published: APR 1 1993
- 1,352. THERMOELECTRIC-POWER OF TL<sub>2</sub>BA<sub>2</sub>CA<sub>1-XYXC</sub>U<sub>2</sub>O<sub>8+Y</sub> (0-LESS-THAN-OR-EQUAL-TO-X-LESS-THAN-OR-EQUAL-TO-0.6) SAMPLES  
By: KESHRI, S; MANDAL, JB; MANDAL, P; et al.  
PHYSICAL REVIEW B Volume: 47 Issue: 14 Pages: 9048-9054 Published: APR 1 1993
- 1,353. MEASUREMENT OF AC CONDUCTANCE, AND MINIMA IN LOSS TANGENT, OF RANDOM CONDUCTOR-INSULATOR MIXTURES  
By: CHAKRABARTY, RK; BARDHAN, KK; BASU, A  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 5 Issue: 15 Pages: 2377-2388 Published: APR 12 1993
- 1,354. A FACTORIZATION PROPERTY OF THE BERRY PHASE  
By: DUTTARROY, B; GHOSH, G  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 26 Issue: 8 Pages: 1875-1879 Published: APR 21 1993

1,355. ZIRCONIUM DIOXIDE - A NEW PHOTOSENSITIZER UNDER UV IRRADIATION

By: GANGULY, KM; SARKAR, S; BHATTACHARYYA, SN

JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS Issue: 8 Pages: 682-683

Published: APR 21 1993

1,356. TYROSINE RESIDUES IN UNIRRADIATED AND GAMMA-IRRADIATED DIHYDROOROTATE DEHYDROGENASE - FLUOROMETRIC AND 2ND-DERIVATIVE ABSORPTION SPECTROPHOTOMETRIC STUDIES

By: SAHA, A; MANDAL, PC; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 63 Issue: 5 Pages: 557-564 Published:

MAY 1993

1,357. CRYSTAL-STRUCTURE OF A NUCLEOSIDE ANALOG - 2',3'-DIDEOXY-3'-FLUORO-5-BROMOCYTIDINE

By: DAS, AK; MAZUMDAR, SK; BERTOLASI, V; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 5 Pages: 353-

357 Published: MAY 1993

1,358. CRYSTAL-STRUCTURE OF A NUCLEOSIDE ANALOG, 2',3'-DIDEOXY-3'-AZIDO-5-CHLOROCYTIDINE

By: DAS, AK; MAZUMDAR, SK; BERTOLASI, V; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 5 Pages: 437-

440 Published: MAY 1993

1,359. DIFFUSE PHASE-TRANSITION IN SOLID-SOLUTION OF  $PB(MG_{1/4}ZN_{1/4}NB_{1/2})O_3$ -DELTA AND PBTIO<sub>3</sub>

By: SHARMA, S; SATI, R; CHOUDHARY, RNP; et al.

MATERIALS LETTERS Volume: 16 Issue: 5 Pages: 281-285 Published: MAY 1993

1,360. SIZE EFFECT IN THE PHOTOCHEMICAL GENERATION OF HYDROGEN FROM WATER BY COLLOIDAL  $Fe_2O_3$  PARTICLES

By: CHATTERJEE, S; SARKAR, S; BHATTACHARYYA, SN

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 72 Issue: 2 Pages:

183-187 Published: MAY 15 1993

1,361. PHASE-TRANSITION IN THE ELECTROWEAK THEORY

By: BANERJEE, N; MALLIK, S; CHAUDHURI, DR

PHYSICAL REVIEW D Volume: 47 Issue: 10 Pages: 4277-4281 Published: MAY 15 1993

1,362. CURVATURE OF HILBERT-SPACE AND Q-DEFORMED QUANTUM-MECHANICS

By: DUTTARROY, B; GHOSH, G

MODERN PHYSICS LETTERS A Volume: 8 Issue: 15 Pages: 1427-1432 Published: MAY 20 1993

1,363. EVIDENCE OF PRIMARY ATOM ACCUMULATION ON SI UNDER 3-10 KEV  $O^{2+}$  BOMBARDMENT

By: RAY, N; RAJASEKAR, P; CHAKRABORTY, P; et al.

APPLIED SURFACE SCIENCE Volume: 68 Issue: 2 Pages: 215-221 Published: JUN 1993

1,364. SURFACE-TOPOGRAPHY OF ERODED CU AND SI CATHODES IN A PIG ION-SOURCE

By: SEN, AK; GHOSE, D

BULLETIN OF MATERIALS SCIENCE Volume: 16 Issue: 3 Pages: 193-204 Published: JUN 1993

1,365. APPLICATION OF HYDROUS CERIA FOR THE UPTAKE OF SEVERAL CATIONS AND IN THE SEPARATION OF CARRIER- (99M)TC AND NB-95 FROM MO-99 AND ZR-95 RESPECTIVELY

By: BHATTACHARYYA, DK; DUTTA, NC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 32 Issue: 6 Pages: 549-552 Published: JUN 1993

1,366. CRYSTAL-STRUCTURE OF A NUCLEOSIDE ANALOG, 2',3'-DIDEOXY-3'-FLUORO-5-CHLOROCYTIDINE

By: DAS, AK; MAZUMDAR, SK; BERTOLASI, V; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 6 Pages: 455-458 Published: JUN 1993

1,367. STRUCTURE OF 6-AMINOBENZOFURAN-2-SULFONAMIDE - A TROPICALLY ACTIVE CARBONIC-ANHYDRASE INHIBITOR

By: DATTA, M; DAS, AK; MAZUMDAR, SK; et al.

JOURNAL OF CRYSTALLOGRAPHIC AND SPECTROSCOPIC RESEARCH Volume: 23 Issue: 6 Pages: 519-522 Published: JUN 1993

1,368. ORBIT-LATTICE INTERACTION AND MOSSBAUER QUADRUPOLE SPLITTING OF FERROUS-IONS IN FERROUS DIPHENYL SULFOXIDE CHLORATE

By: SINHA, TP

PHYSICAL REVIEW B Volume: 47 Issue: 21 Pages: 13998-14002 Published: JUN 1 1993

1,369. HE-3 SCATTERING FROM LI-6 - A SEMIMICROSCOPIC APPROACH

By: SINHA, T; ROY, S; SAMANTA, C

PHYSICAL REVIEW C Volume: 47 Issue: 6 Pages: 2994-2997 Published: JUN 1993

1,370. SMALL-ANGLE KREIN COLLISIONS IN A FAMILY OF 4-DIMENSIONAL REVERSIBLE MAPS

By: BHOWAL, A; ROY, TK; LAHIRI, A

PHYSICAL REVIEW E Volume: 47 Issue: 6 Pages: 3932-3940 Published: JUN 1993

1,371. FLUORESCENCE STUDY OF MELANOCYTE-STIMULATING HORMONES IN AOT REVERSE MICELLES

By: BHATTACHARYYA, K; BASAK, S

BIOPHYSICAL CHEMISTRY Volume: 47 Issue: 1 Pages: 21-31 Published: JUL 1993

1,372. RADIOMETRIC ANALYSIS OF SILVER IN GALENA

By: DAS, NR; MAITY, HP

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-LETTERS Volume: 176 Issue: 1 Pages: 45-53 Published: JUL 1 1993

1,373. ALL-COUPPLING MANY POLARON GAS IN A 2-DIMENSIONAL SEMICONDUCTOR QUANTUM-WELL  
By: CHATTERJEE, A; SIL, S  
SOLID STATE COMMUNICATIONS Volume: 87 Issue: 4 Pages: 329-333 Published: JUL 1993

1,374. HOPF-BIFURCATION IN 4-DIMENSIONAL REVERSIBLE MAPS AND RENORMALIZATION EQUATIONS  
By: BHOWAL, A; ROY, TK; LAHIRI, A  
PHYSICS LETTERS A Volume: 179 Issue: 1 Pages: 9-14 Published: JUL 26 1993

1,375. MAGNETIC-FIELD CODE TO STUDY MAGNETIC-FIELD STRUCTURE OF SINP TOKAMAK  
By: RANJAN, P; MUKHERJEE, P  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 31 Issue: 8 Pages: 568-573 Published: AUG 1993

1,376. DISTRIBUTION OF CONDUCTANCE AND ITS UNIVERSAL FLUCTUATIONS IN 1-D DISORDERED, MESOSCOPIC SYSTEMS  
By: GUPTA, AK; JAYANNAVAR, AM; SEN, AK  
JOURNAL DE PHYSIQUE I Volume: 3 Issue: 8 Pages: 1671-1675 Published: AUG 1993

1,377. POSITRON-ANNIHILATION STUDIES ON AL-CU-FE - THEIR SIGNIFICANCE FOR THE STRUCTURAL MODELS OF ICOSAHEDRAL QUASI-CRYSTALS  
By: CHIDAMBARAM, R; SANYAL, MK; RAGHUNATHAN, VS; et al.  
PHYSICAL REVIEW B Volume: 48 Issue: 5 Pages: 3030-3036 Published: AUG 1 1993

1,378. EXTENDED STATES IN ONE-DIMENSIONAL LATTICES - APPLICATION TO THE QUASI-PERIODIC COPPER-MEAN CHAIN  
By: SIL, S; KARMAKAR, SN; MOITRA, RK; et al.  
PHYSICAL REVIEW B Volume: 48 Issue: 6 Pages: 4192-4195 Published: AUG 1 1993

1,379. DOUBLE-FOLDING MODEL POTENTIAL FOR LI-6 SCATTERING WITH HE-4 - ABSENCE OF ANOMALOUS REDUCTION FACTOR  
By: SINHA, T; ROY, S; SAMANTA, C  
PHYSICAL REVIEW C Volume: 48 Issue: 2 Pages: 785-791 Published: AUG 1993

1,380. SCALING OF DECAY LENGTHS FOR SURFACE-STATES IN THE GAPS OF ONE-DIMENSIONAL SEMIINFINITE SUPERLATTICES  
By: GUPTA, AK; SEN, AK  
ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 91 Issue: 4 Pages: 493-496 Published: AUG 1993

1,381. COULOMB AND NUCLEAR EFFECTS IN THE FRAGMENTATION OF EXOTIC NUCLEI  
By: BANERJEE, P; SHYAM, R  
NUCLEAR PHYSICS A Volume: 561 Issue: 1 Pages: 112-132 Published: AUG 16 1993

1,382. RADIATION-INDUCED REACTIONS OF (2-METHYL-5-NITRO-1H-IMIDAZOLE-1-ETHANOL)NICKEL(II) IN AQUEOUS-SOLUTION - A FLASH-PHOTOLYSIS AND STEADY-STATE GAMMA-RADIOLYSIS STUDY  
By: ROY, MB; MANDAL, PC; BHATTACHARYYA, SN  
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS Issue: 16 Pages: 2485-2490  
Published: AUG 21 1993

1,383. GENERALIZED GRASSMANN VARIABLES FOR ANYON FIELD-THEORY  
By: MITRA, P  
PHYSICS LETTERS B Volume: 313 Issue: 1-2 Pages: 41-44 Published: AUG 26 1993

1,384. TOP-QUARK MASS IN THE CONDENSATE MODEL AND THE POSSIBILITY OF COLORED BOSONS  
By: KUNDU, A; DE, T; DUTTARROY, B  
MODERN PHYSICS LETTERS A Volume: 8 Issue: 26 Pages: 2465-2470 Published: AUG 30 1993

1,385. INTERACTION OF POSITRONIUM WITH CO<sub>2</sub> AND CU<sup>2+</sup> IONS IN AQUEOUS CHLORIDE AND SULFATE MEDIA  
By: GANGULY, BN; SARKAR, PK  
JOURNAL DE PHYSIQUE IV Volume: 3 Issue: C4 Pages: 139-142 Published: SEP 1993

1,386. POSITRONIUM REACTIONS IN AOT N-HEPTANE WATER REVERSED MICELLAR SYSTEM INCORPORATING METAL-IONS  
By: GANGULY, BN; SUBRAHMANYAM, VS  
JOURNAL DE PHYSIQUE IV Volume: 3 Issue: C4 Pages: 325-327 Published: SEP 1993

1,387. A SIMPLE ESTIMATE OF THE POLYMER THETA-POINT ON DIFFERENT LATTICES  
By: BARAT, K  
MAKROMOLEKULARE CHEMIE-THEORY AND SIMULATIONS Volume: 2 Issue: 5 Pages: 637-642  
Published: SEP 1993

1,388. STABILITY-CRITERIA FOR A SINGLET MAGNETOBIPOLARON  
By: SIL, S; CHATTERJEE, A  
SOLID STATE COMMUNICATIONS Volume: 87 Issue: 10 Pages: 917-920 Published: SEP 1993

1,389. GROUND-STATE OF THE NON-HALF-FILLED HUBBARD-MODEL - A RENORMALIZATION-GROUP STUDY  
By: BHATTACHARYYA, B; SIL, S  
PHYSICS LETTERS A Volume: 180 Issue: 3 Pages: 299-303 Published: SEP 6 1993

1,390. INTERACTION OF RIBONUCLEOTIDES WITH T7 RNA-POLYMERASE - PROBABLE ROLE OF GTP IN TRANSCRIPTION INITIATION  
By: SEN, R; DASGUPTA, D  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 195 Issue: 2 Pages: 616-622  
Published: SEP 15 1993

1,391. SERIES STUDIES OF SELF-AVOIDING WALKS NEAR THE THETA-POINTS ON 2D AND 3D CLUSTERS AT THE PERCOLATION THRESHOLDS

By: BARAT, K; KARMAKAR, SN; CHAKRABARTI, BK

JOURNAL DE PHYSIQUE I Volume: 3 Issue: 10 Pages: 2007-2016 Published: OCT 1993

1,392. MEV HE-4(2+)-IRRADIATION INDUCED EFFECTS IN CUO

By: SEKAR, K; SATYAM, PV; MAHAPATRA, DP; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 83 Issue: 1-2 Pages: 140-144 Published: OCT 1993

1,393. ROLE OF NUCLEAR COMPRESSIBILITY ON THE FISSION PATH

By: MAJUMDAR, MM; DE, JN; SAMANTA, C; et al.

PHYSICAL REVIEW C Volume: 48 Issue: 4 Pages: 2093-2096 Published: OCT 1993

1,394. HEAVY-ION-INDUCED MULTIPLE IONIZATION IN GOLD

By: BHATTACHARYA, D; KURI, G; MAHAPATRA, DP; et al.

ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS Volume: 28 Issue: 2 Pages: 123-125 Published: OCT 1993

1,395. RESISTIVITY ANISOTROPY IN THE Y-SUBSTITUTED BI-2212 SYSTEM

By: MANDAL, JB; KESHRI, S; GHOSH, B

PHYSICA C Volume: 216 Issue: 1-2 Pages: 195-198 Published: OCT 15 1993

1,396. COMPUTATIONAL APPROACH TO THE STUDY OF SUPERCOIL-INDUCED STRUCTURAL POLYMORPHISM IN DNA

By: MAJUMDAR, R; LAHIRI, A; THAKUR, AR

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 105 Pages: 211-218 Published: OCT 29 1993

1,397. A STUDY OF THE POLARONIC BAND-WIDTH AND THE SMALL-TO-LARGE-POLARON TRANSITION IN A MANY-POLARON SYSTEM

By: DAS, AN; SIL, S

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 5 Issue: 44 Pages: 8265-8276 Published: NOV 1 1993

1,398. RADIATIVE LIFETIMES OF SOME LEVELS BELONGING TO THE 2P(4)3P CONFIGURATION OF NE-II

By: DAS, MB

JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 50 Issue: 5 Pages: 561-563 Published: NOV 1993

1,399. GROUND AND EXCITED-STATES OF AN IMPURITY-BOUND SURFACE OPTICAL POLARON

By: CHATTERJEE, A; SIL, S

PHYSICAL REVIEW B Volume: 48 Issue: 20 Pages: 15438-15440 Published: NOV 15 1993

1,400. SURVIVABILITY OF COSMOLOGICAL QUARK NUGGETS IN THE CHROMOELECTRIC FLUX-TUBE FISSION MODEL OF BARYON EVAPORATION

By: BHATTACHARJEE, P; ALAM, JE; SINHA, B; et al.

PHYSICAL REVIEW D Volume: 48 Issue: 10 Pages: 4630-4638 Published: NOV 15 1993

1,401. THE RESISTIVE DAMPING OF THE TOROIDICITY-INDUCED ALFVEN EIGENMODE

By: KAR, C; VLAD, G; ROMANELLI, F

PHYSICS LETTERS A Volume: 182 Issue: 2-3 Pages: 309-311 Published: NOV 15 1993

1,402. CONFORMATIONAL AND ELECTRONIC-PROPERTIES OF SEVERAL NOVEL HETEROCYCLIC CARDIOTONICS - A THEORETICAL APPROACH

By: MAJUMDAR, D; BHATTACHARJEE, AK; DAS, KK; et al.

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 107 Issue: 1-2 Pages: 41-53  
Published: NOV 29 1993

1,403. SYNTHESIS AND ELECTRICAL STUDIES OF MODIFIED PBTIO<sub>3</sub> CERAMICS - (PB1-XCAX) (MN0.05W0.05TI0.90)O<sub>3</sub>

By: PRASAD, K; SATI, R; CHOUDHARY, RNP; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 16 Issue: 6 Pages: 679-684 Published: DEC 1993

1,404. FE<sup>2+</sup> QUADRUPOLE SPLITTING IN DOLOMITE UNDER ORBIT-LATTICE INTERACTION - A MOSSBAUER STUDY

By: SINHA, TP; GANGULI, S; BHATTACHARYA, M

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 180 Issue: 2 Pages: 423-429 Published: DEC 1993

1,405. SUPERCONDUCTING PHASE-DIAGRAM OF A NARROW-BAND SYSTEM AT T=0 - A MEAN-FIELD STUDY

By: DAS, AN; SARKAR, S; CHOUDHURY, P

PHYSICAL REVIEW B Volume: 48 Issue: 22 Pages: 16673-16679 Published: DEC 1 1993

1,406. INFLATIONARY COSMOLOGY

By: MALLIK, S

PRAMANA-JOURNAL OF PHYSICS Volume: 41 Supplement: S Pages: 473-484 Published: DEC 1993

1,407. UNIQUENESS OF THE SOLUTIONS OF MULTICHANNEL SCATTERING EQUATION IN 3-PARTICLE SYSTEM

By: MUKHERJEE, S

PRAMANA-JOURNAL OF PHYSICS Volume: 41 Issue: 6 Pages: 483-491 Published: DEC 1993

1,408. ANGULAR-DISTRIBUTIONS OF NEUTRONS EMITTED IN THE FRAGMENTATION REACTIONS OF BE-11

By: BANERJEE, P; SHYAM, R

PHYSICS LETTERS B Volume: 318 Issue: 2 Pages: 268-272 Published: DEC 2 1993



1,409. EXTENDED ELECTRONIC STATES IN DISORDERED 1-D LATTICES - AN EXAMPLE

By: SIL, S; KARMAKAR, SN; MOITRA, RK

PHYSICS LETTERS A Volume: 183 Issue: 4 Pages: 344-347 Published: DEC 13 1993

1,410. STABILITY OF ALL-COUPPLING LARGE OPTICAL SINGLET BIPOLARONS

By: CHATTERJEE, A; SIL, S

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 7 Issue: 28 Pages: 4763-4781

Published: DEC 30 1993

1,411. DETERMINATION AND CORRELATION OF HEAVY-ATOM POSITIONS IN THE DERIVATIVES USED IN THE X-RAY-ANALYSIS OF RIBONUCLEASE-A AT 2.5-ANGSTROM RESOLUTION

By: CARLISLE, CH; PALMER, RA; MAZUMDAR, SK

JOURNAL OF CHEMICAL CRYSTALLOGRAPHY Volume: 24 Issue: 1 Pages: 37-49 Published: JAN 1994

1,412. MULTIPOLE MIXING RATIOS OF THE 198 AND 177 KEV GAMMA-RAY TRANSITIONS IN TM-169

By: DEY, CC; SINHA, BK

PHYSICAL REVIEW C Volume: 49 Issue: 1 Pages: 533-536 Published: JAN 1994

1,413. FINITE-RANGE MOMENTUM AND DENSITY-DEPENDENT EFFECTIVE INTERACTION AND ANALYSIS OF NUCLEAR INCOMPRESSIBILITY

By: MAJUMDAR, MM; SAMADDAR, SK; RUDRA, N; et al.

PHYSICAL REVIEW C Volume: 49 Issue: 1 Pages: 541-544 Published: JAN 1994

1,414. ANGLE OF INCIDENCE VARIATION OF SPUTTERING OF GERMANIUM

By: CHINI, TK; BHATTACHARYYA, SR; BASU, D; et al.

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 127 Issue: 3-4 Pages: 349-355 Published: 1994

1,415. TARGET CURRENT-DENSITY EFFECTS IN AL-CLUSTER ION EMISSION

By: RAY, N; RAJASEKAR, P; CHAKRABORTY, P; et al.

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 128 Issue: 3 Pages: 205-214 Published: 1994

1,416. MICROSTRUCTURAL EVOLUTION OF DEFECTS AND THE NUCLEATION OF HELIUM BUBBLES IN NIOBIUM STUDIED BY POSITRON-ANNIHILATION

By: SUBRAHMANYAM, VS; NAMBISSAN, PMG; SEN, P

RADIATION EFFECTS AND DEFECTS IN SOLIDS Volume: 132 Issue: 2 Pages: 169-178 Published: 1994

1,417. AUDIO-FREQUENCY DISCHARGE CLEANING SYSTEM FOR THE SINP TOKAMAK USING SINGLE TURN PRIMARY

By: RANJAN, P; HUI, AK; CHOWDHURY, S; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 65 Issue: 1 Pages: 135-139 Published: JAN 1994

1,418. STUDY OF MAGNETIC-SUSCEPTIBILITY AND LATTICE-PARAMETERS OF CENIINHx SYSTEMS

By: SEN, M; GIRI, S; GHOSHRAY, K; et al.

SOLID STATE COMMUNICATIONS Volume: 89 Issue: 4 Pages: 327-330 Published: JAN 1994

1,419. ROLE OF IONIC HEAD GROUPS IN THE ZERO-PRESSURE PHASE OF FATTY-ACID MONOLAYERS

By: MODAK, S; DATTA, A

JOURNAL OF PHYSICAL CHEMISTRY Volume: 98 Issue: 1 Pages: 1-3 Published: JAN 6 1994

1,420. ON THE MECHANISM OF SMALL SI-N(+) AND AL-N(+) (N=1-3) CLUSTER EMISSION FROM 3-10 KEV AR+ BOMBARDED AL AND SI SURFACES AT INCREASED TARGET CURRENT DENSITIES

By: RAY, N; RAJASEKAR, P; CHAKRABORTY, P; et al.

SURFACE SCIENCE Volume: 301 Issue: 1-3 Pages: 337-345 Published: JAN 10 1994

1,421. MAGNETIC HYSTERSIS LOOPS AS LISSAJOUS PLOTS OF RELAXATIONALLY DELAYED-RESPONSE TO PERIODIC FIELD VARIATION

By: ACHARYYA, M; CHAKRABARTI, BK

PHYSICA A Volume: 202 Issue: 3-4 Pages: 467-481 Published: JAN 15 1994

1,422. CATION DIFFUSION-COEFFICIENTS IN CSCL-H<sub>2</sub>O SYSTEM OVER THE CONCENTRATION RANGE 0.009 TO 10.00 M-CENTER-DOT-DM(-3) AT 25-DEGREES-C

By: CHAKRABARTI, H

APPLIED RADIATION AND ISOTOPES Volume: 45 Issue: 2 Pages: 171-175 Published: FEB 1994

1,423. VALIDITY OF THE MARKOVIAN APPROXIMATION FOR DAMPED COLLISION IN THE NUCLEON EXCHANGE MODEL

By: CHATTOPADHYAY, S; PAL, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 20 Issue: 2 Pages: 357-363

Published: FEB 1994

1,424. NUCLEAR TECHNIQUES TO STUDY THE NOBLE-METALS IN THE CHROMITE SULFIDE-ASSOCIATION-OF-NAUSAHI, ORISSA, INDIA

By: DAS, NR; LAHIRI, S; BASU, D; et al.

NUCLEAR GEOPHYSICS Volume: 8 Issue: 1 Pages: 85-90 Published: FEB 1994

1,425. OCTUPOLE DEFORMATION IN SM-149, SM-151 NUCLEI

By: BASU, S; CHATTERJEE, JM; BANIK, D; et al.

PHYSICAL REVIEW C Volume: 49 Issue: 2 Pages: 650-662 Published: FEB 1994

1,426. NEUTRON SKIN-EFFECT IN PREEQUILIBRIUM NUCLEON EMISSIONS

By: GHOSH, S; NANDY, M; SARKAR, PK; et al.

PHYSICAL REVIEW C Volume: 49 Issue: 2 Pages: 1059-1065 Published: FEB 1994

1,427. SYSTEMATICS OF PREEQUILIBRIUM CONTRIBUTIONS IN (N,P) REACTIONS AT 14 MEV

By: SINGH, G; HANS, HS; CHEEMA, TS; et al.

PHYSICAL REVIEW C Volume: 49 Issue: 2 Pages: 1066-1078 Published: FEB 1994

1,428. DEVELOPMENT OF A SIMPLE ELECTROLYTIC JET THINNING APPARATUS FOR THE PREPARATION OF THIN METAL FOILS FOR TRANSMISSION ELECTRON-MICROSCOPY

By: CHINI, TK; BHATTACHARYYA, SR; BASU, D

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 65 Issue: 2 Pages: 370-373 Published: FEB 1994

1,429. HELIUM BUBBLES IN TUNGSTEN STUDIED BY POSITRON-ANNIHILATION

By: SUBRAHMANYAM, VS; NAMBISSAN, PMG; SEN, P

SOLID STATE COMMUNICATIONS Volume: 89 Issue: 6 Pages: 523-527 Published: FEB 1994

1,430. IDENTICAL SCALING BEHAVIOR OF DC AND AC RESPONSE NEAR THE PERCOLATION-THRESHOLD IN CONDUCTOR-INSULATOR MIXTURES

By: BARDHAN, KK; CHAKRABARTY, RK

PHYSICAL REVIEW LETTERS Volume: 72 Issue: 7 Pages: 1068-1071 Published: FEB 14 1994

1,431. AMINE INTERCALATION IN FEPS3 - A FE-57 MOSSBAUER STUDY

By: BHOWMICK, A; GANGULI, S; BHATTACHARYA, M

PHYSICAL REVIEW B Volume: 49 Issue: 8 Pages: 5549-5553 Published: FEB 15 1994

1,432. BATALIN-TYUTIN QUANTIZATION OF THE CP(N-1) MODEL

By: BANERJEE, N; GHOSH, S; BANERJEE, R

PHYSICAL REVIEW D Volume: 49 Issue: 4 Pages: 1996-2000 Published: FEB 15 1994

1,433. SYMMETRY IN THE COMMENSURATE ANISOTROPIC OSCILLATOR

By: BHAUMIK, D; CHATTERJEE, A; DUTTARROY, B

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 27 Issue: 4 Pages: 1401-1403  
Published: FEB 21 1994

1,434. TRANSMISSION CHARACTERISTICS OF OPTICAL-FIBER SUBJECTED TO ALPHA AND PROTON RADIATIONS

By: RAY, R; DATTA, AK; BASURAY, A; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 32 Issue: 3 Pages: 249-253 Published:  
MAR 1994

1,435. 2ND-ORDER ACCURATE NO-SLIP CONDITIONS FOR SOLVING PROBLEMS OF INCOMPRESSIBLE VISCOUS FLOWS

By: MUKHOPADHYAY, S; BASU, BC

JOURNAL OF COMPUTATIONAL PHYSICS Volume: 111 Issue: 1 Pages: 53-61 Published: MAR 1994

1,436. STRUCTURE FACTORS OF 1D XY MODEL

By: BASAK, R; CHATTERJEE, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 131 Issue: 1-2 Pages: 99-102  
Published: MAR 1994

1,437. HYSTERESIS IN ISING-MODEL IN TRANSVERSE FIELD

By: ACHARYYA, M; CHAKRABARTI, BK; STINCHCOMBE, RB

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 27 Issue: 5 Pages: 1533-1540  
Published: MAR 7 1994

1,438.  $SL(2,R)$ -CURRENTS IN 2D-GRAVITY ARE GENERATORS OF IMPROPER GAUGE TRANSFORMATION  
By: GHOSH, S; MUKHERJEE, S  
ANNALS OF PHYSICS Volume: 231 Issue: 1 Pages: 41-55 Published: APR 1994

1,439. QUANTIZATION OF  $O(N)$  INVARIANT NONLINEAR SIGMA-MODEL IN THE BATALIN-TYUTIN  
FORMALISM  
By: BANERJEE, N; GHOSH, S; BANERJEE, R  
NUCLEAR PHYSICS B Volume: 417 Issue: 1-2 Pages: 257-266 Published: APR 11 1994

1,440. MICROWAVE-SPECTRUM OF ALLYL ISOTHIOCYANATE - GAUCHE CONFORMER  
By: MAITI, S; JAMAN, AI; NANDI, RN  
JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 165 Issue: 1 Pages: 168-172 Published: MAY  
1994

1,441. UVA-INDUCED PEROXIDATION OF LIPID IN THE DRIED FILM STATE  
By: BOSE, B; CHATTERJEE, SN  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 23 Issue: 2-3 Pages:  
119-123 Published: MAY 1994

1,442. INDUCTION OF ADAPTIVE RESPONSE BY NITROFURANTOIN AGAINST OXIDATIVE DNA-DAMAGE  
IN SOME BACTERIAL-CELLS  
By: BASAK, J; CHATTERJEE, SN  
MUTATION RESEARCH Volume: 321 Issue: 3 Pages: 127-132 Published: MAY 1994

1,443. ISOTOPE-SHIFT EXPONENT, PRESSURE COEFFICIENT OF  $T(C)$ , AND THE SUPERCONDUCTING-GAP  
RATIO WITHIN THE VANHOVE SCENARIO  
By: SARKAR, S; DAS, AN  
PHYSICAL REVIEW B Volume: 49 Issue: 18 Pages: 13070-13074 Published: MAY 1 1994

1,444. STABILITY AND NATURE OF POLARONS IN A 2-SITE 2-ELECTRON MODEL  
By: DAS, AN; CHOUDHURY, P  
PHYSICAL REVIEW B Volume: 49 Issue: 18 Pages: 13219-13222 Published: MAY 1 1994

1,445. ENERGY SYSTEMATICS OF EVEN-EVEN NUCLEI IN THE  $N(P)N(N)$  SCHEME  
By: SAHA, M; SEN, S  
PHYSICAL REVIEW C Volume: 49 Issue: 5 Pages: 2460-2464 Published: MAY 1994

1,446. ROLE OF COLOR-OCTET ISODOUBLET SCALAR BOSONS IN THE PHYSICS OF  $K-(K)\text{OVER-BAR}$ ,  $B(D)-$   
 $(B)\text{OVER-BAR}(D)$  MIXING AND THE EPSILON-PARAMETER  
By: KUNDU, A; DE, T; DUTTARROY, B  
PHYSICAL REVIEW D Volume: 49 Issue: 9 Pages: 4793-4800 Published: MAY 1 1994

- 1,447. ROLE OF ISODOUBLET COLOR-OCTET SCALAR BOSONS IN RADIATIVE B-DECAYS  
By: KUNDU, A; DE, T; DUTTARROY, B  
PHYSICAL REVIEW D Volume: 49 Issue: 9 Pages: 4801-4804 Published: MAY 1 1994
- 1,448. ON THE SURFACE BINDING-ENERGY OF VARIOUS COMPONENTS IN SUPERCONDUCTING  
YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>-DELTA  
By: RAJASEKAR, P; RAY, N; DEY, SD; et al.  
SOLID STATE COMMUNICATIONS Volume: 90 Issue: 8 Pages: 519-522 Published: MAY 1994
- 1,449. MONTE-CARLO SIMULATIONS ON A RIGID-ROD MODEL FOR A LANGMUIR MONOLAYER  
By: PAL, B; MODAK, S; DATTA, A  
SURFACE SCIENCE Volume: 310 Issue: 1-3 Pages: 407-412 Published: MAY 1 1994
- 1,450. COLORED FRT ALGEBRA AND ITS YANG-BAXTERIZATION LEADING TO INTEGRABLE MODELS  
WITH NONADDITIVE R-MATRICES  
By: KUNDU, A; BASUMALLICK, B  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 27 Issue: 9 Pages: 3091-3104  
Published: MAY 7 1994
- 1,451. 11-KETOPROGESTERONE  
By: GUPTA, VK; RAJNIKANT; GOSWAMI, KN; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 50 Pages:  
798-801 Part: 5 Published: MAY 15 1994
- 1,452. STRUCTURE AND ENERGETICS OF PLECTONEMICALLY SUPERCOILED DNA  
By: LAHIRI, A  
BIOPOLYMERS Volume: 34 Issue: 6 Pages: 799-804 Published: JUN 1994
- 1,453. LIQUID-LIQUID-EXTRACTION OF MO-99 AND W-187 WITH TRIOCYTLAMINE  
By: DAS, NR; LAHIRI, S  
FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY Volume: 349 Issue: 6 Pages: 481-482 Published:  
JUN 1994
- 1,454. LIQUID-LIQUID-EXTRACTION OF TRACE-LEVEL ZIRCONIUM AND HAFNIUM WITH  
TRIOCYTLAMINE  
By: DAS, NR; LAHIRI, S  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 181 Issue: 1 Pages:  
157-164 Published: JUN 1994
- 1,455. INTERACTION OF POSITRONIUM WITH CO<sub>2</sub><sup>+</sup> AND CU<sub>2</sub><sup>+</sup> IONS IN AQUEOUS-SOLUTIONS  
By: GANGULY, BN; SUBRAHMANYAM, VS; SARKAR, PK  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 181 Issue: 1 Pages:  
201-209 Published: JUN 1994
- 1,456. QUANTIZATION OF GAUGE-THEORIES WITH GLOBAL ANOMALIES

By: MITRA, P

LETTERS IN MATHEMATICAL PHYSICS Volume: 31 Issue: 2 Pages: 111-115 Published: JUN 1994

1,457. COLLOID FORMATION IN COPPER-IMPLANTED FUSED-SILICA AND SILICATE-GLASSES

By: MAZZOLDI, P; CACCAVALE, F; CATTARUZZA, E; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 91 Issue: 1-4 Pages: 505-509 Published: JUN 1994

1,458. L-SUBSHELL IONIZATION CROSS-SECTIONS IN GOLD AND BISMUTH BY 3.6-9.5-MEV CARBON AND 4.0-7.2-MEV OXYGEN IONS

By: BHATTACHARYA, D; SARKAR, M; CHATTERJEE, MB; et al.

PHYSICAL REVIEW A Volume: 49 Issue: 6 Pages: 4616-4623 Published: JUN 1994

1,459. CLASSICAL INTEGRABLE LATTICE MODELS THROUGH QUANTUM GROUP-RELATED FORMALISM

By: KUNDU, A

THEORETICAL AND MATHEMATICAL PHYSICS Volume: 99 Issue: 3 Pages: 699-704 Published: JUN 1994

1,460. DIRAC FERMION IN EUCLIDEAN METRIC AND THE U(1) AND STRONG CP PROBLEMS

By: BANERJEE, H; MITRA, P; CHATTERJEE, D

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 62 Issue: 3 Pages: 511-520 Published: JUN 1994

1,461. A COMPUTER-SIMULATION STUDY FOR THE BIAXIAL NEMATIC-ISOTROPIC PHASE-TRANSITION

By: MUKHERJEE, CD; CHATTERJEE, N

PHYSICS LETTERS A Volume: 189 Issue: 1-2 Pages: 86-90 Published: JUN 6 1994

1,462. 2,3-DIHYDRO-6-HYDROXY-1,3-DIMETHYL-7-PROPYL-9-(2-THIENYLMETHYL)PYRIMIDO[2,1-F]PURINE-4,8(1H,9H)-DIONE

By: DAS, AK; DATTA, M; MAZUMDAR, SK; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 50 Pages: 952-954 Part: 6 Published: JUN 15 1994

1,463. INTRINSIC FLUORESCENCE OF ESCHERICHIA-COLI RNA-POLYMERASE AS A PROBE FOR ITS CONFORMATIONAL-CHANGES DURING TRANSCRIPTION INITIATION

By: SEN, R; DASGUPTA, D

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 201 Issue: 2 Pages: 820-828 Published: JUN 15 1994

1,464. REFOLDING OF DENATURED LACTATE-DEHYDROGENASE BY ESCHERICHIA-COLI RIBOSOMES

By: CHATTOPADHYAY, S; DAS, B; BERA, AK; et al.

BIOCHEMICAL JOURNAL Volume: 300 Pages: 717-721 Part: 3 Published: JUN 15 1994

1,465. ON THE EC BRANCHING TO THE GROUND-STATE OF AU-197 IN THE DECAY OF HG-197 (64.1 H)

By: DASMAHAPATRA, B; MUKHERJEE, A

APPLIED RADIATION AND ISOTOPES Volume: 45 Issue: 7 Pages: 803-807 Published: JUL 1994

1,466. REACTIONS OF COBALT(III) COMPLEXES WITH  $\cdot$ -RADICALS DERIVED FROM THYMINE

By: CHAKRABARTI, S; MANDAL, PC; BHATTACHARYYA, SN

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS Volume: 26 Issue: 7 Pages: 693-703 Published: JUL 1994

1,467. LINEAR AND NONLINEAR AC SUSCEPTIBILITY OF THE CANTED-SPIN SYSTEM -  $\text{Ce}(\text{Fe}_{0.96}\text{Al}_{0.04})_2$

By: MUKHERJEE, S; RANGANATHAN, R; ROY, SB

PHYSICAL REVIEW B Volume: 50 Issue: 2 Pages: 1084-1089 Published: JUL 1 1994

1,468. DECAY OF  $0^+$  ANALOG STATE OF SB-120

By: PAL, J; DEY, CC; BOSE, S; et al.

PHYSICAL REVIEW C Volume: 50 Issue: 1 Pages: 99-103 Published: JUL 1994

1,469. FRUSTRATED SPIN-GLASS-LIKE FEATURES IN  $\text{KMnFeF}_6$  SYSTEM

By: GIRI, S; GHOSHAY, K; RANGANATHAN, R; et al.

SOLID STATE COMMUNICATIONS Volume: 91 Issue: 4 Pages: 273-277 Published: JUL 1994

1,470. PREPARATION OF POLYPYRROLE COMPOSITE WITH ACRYLIC ACID-GRAFTED

TETRAFLUOROETHYLENE-HEXAFLUOROPROPYLENE (TEFLON-FEP) COPOLYMER

By: BHATTACHARYA, A; DE, A; BHATTACHARYYA, SN

SYNTHETIC METALS Volume: 65 Issue: 1 Pages: 35-38 Published: JUL 1994

1,471. EFFECT OF ALPHA-IRRADIATION ON POLYCRYSTALLINE  $\text{Bi-2223}$  SUPERCONDUCTORS

By: BANDYOPADHYAY, SK; BARAT, P; SEN, P; et al.

PHYSICA C Volume: 228 Issue: 1-2 Pages: 109-114 Published: JUL 10 1994

1,472. P-HYDROXYEPHEDRINIUM DIHYDROGENPHOSPHATE

By: DATTA, M; PODDER, A; DATTAGUPTA, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 50 Pages: 1132-1135 Part: 7 Published: JUL 15 1994

1,473. EXCESS CONDUCTIVITY ANALYSIS OF THE  $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{-xYxCu}_2\text{O}_{8+y}$  SYSTEM - AN ESTIMATION OF INTERLAYER COUPLING STRENGTH

By: MANDAL, P; PODDAR, A; DAS, S

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 6 Issue: 29 Pages: 5689-5695 Published: JUL 18 1994

1,474. HE-4 INDUCED  $\text{Li-6-}\alpha$  TARGET BREAKUP IN THE REGION OF SMALL RELATIVE FRAGMENT ENERGIES

By: SAMANTA, C; SINHA, T; GHOSH, S; et al.

PHYSICAL REVIEW C Volume: 50 Issue: 2 Pages: 1226-1229 Published: AUG 1994

1,475. FLUCTUATING HYDRODYNAMICS AND DIFFUSION IN AMORPHOUS SOLIDS

By: DAS, SP; SCHILLING, R

PHYSICAL REVIEW E Volume: 50 Issue: 2 Pages: 1265-1273 Part: A Published: AUG 1994

1,476. PHOTODEGRADATION OF PHENOL BY VISIBLE-LIGHT IN THE PRESENCE OF COLLOIDAL  $Fe_2O_3$

By: CHATTERJEE, S; SARKAR, S; BHATTACHARYYA, SN

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 81 Issue: 3 Pages: 199-203 Published: AUG 2 1994

1,477. TEMPERATURE-DEPENDENCE OF SPUTTERING YIELD OF GAAS UNDER 30 KEV  $Ar^+$  BOMBARDMENT

By: BHATTACHARYYA, SR; GHOSE, D; BASU, D

JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 13 Issue: 16 Pages: 1192-1194 Published: AUG 15 1994

1,478. AC SUSCEPTIBILITY AND HYSTERESIS IN ISING MAGNETS

By: ACHARYYA, M; CHAKRABARTI, BK

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 136 Issue: 1-2 Pages: L29-L32 Published: SEP 1994

1,479. SPECTROSCOPIC EVIDENCES FOR GRAFTING OF N-VINYL CARBAZOLE ON CELLULOSE-ACETATE FILM

By: BASU, S; BHATTACHARYYA, A; MONDAL, PC; et al.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 32 Issue: 12 Pages: 2251-2255 Published: SEP 1994

1,480. ABSORPTION AND FLUORESCENCE BEHAVIOR OF CYTOSINE IRRADIATED AT DIFFERENT PH AND IN THE PRESENCE OF  $Cu(II)$  IONS AT NEUTRAL PH

By: CHABITA, K; MANDAL, PC; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-LETTERS Volume: 188 Issue: 2 Pages: 133-148 Published: SEP 15 1994

1,481. GENERALIZED GAUGE-INVARIANT REGULARIZATION OF THE SCHWINGER MODEL

By: BHATTACHARYA, G; GHOSH, A; MITRA, P

PHYSICAL REVIEW D Volume: 50 Issue: 6 Pages: 4183-4188 Published: SEP 15 1994

1,482. BERRY PHASE FOR SUPERSYMMETRIC SHAPE-INVARIANT POTENTIALS

By: BHAUMIK, D; DUTTARROY, B; BAGCHI, BK; et al.

PHYSICS LETTERS A Volume: 193 Issue: 1 Pages: 11-14 Published: SEP 19 1994

1,483. EFFECTS OF COPPER(II) IONS ON THE  $SO_4$ -CENTER-DOT RADICAL-INDUCED OXIDATION OF CYTOSINE AND ITS DERIVATIVES

By: CHABITA, K; MANDAL, PC; BHATTACHARYYA, SN

BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN Volume: 67 Issue: 10 Pages: 2751-2757 Published: OCT 1994



- 1,484. EFFECT OF COUPLING TO THE LEADS ON THE CONDUCTANCE FLUCTUATIONS IN ONE-DIMENSIONAL DISORDERED, MESOSCOPIC SYSTEMS  
By: SEN, AK; GANGOPADHYAY, S  
JOURNAL DE PHYSIQUE I Volume: 4 Issue: 10 Pages: 1373-1378 Published: OCT 1994
- 1,485. ROLE OF THE  $G_{9/2}$  NEUTRON ORBITAL IN THE STRUCTURE OF ZN-65  
By: BANERJEE, P; SETHI, B; CHATTERJEE, MB; et al.  
PHYSICAL REVIEW C Volume: 50 Issue: 4 Pages: 1813-1818 Published: OCT 1994
- 1,486. PARTICLE-ROTOR MODEL ANALYSIS OF LOW-SPIN IDENTICAL BANDS IN NEIGHBORING ODD-A AND EVEN-EVEN NUCLEI  
By: MUKHERJEE, A; PRAMANIK, UD; SARKAR, MS; et al.  
PHYSICAL REVIEW C Volume: 50 Issue: 4 Pages: 1868-1875 Published: OCT 1994
- 1,487. SUCCESSIVE EQUILIBRATION IN QUARK-GLUON PLASMA  
By: ALAM, JE; RAHA, S; SINHA, B  
PHYSICAL REVIEW LETTERS Volume: 73 Issue: 14 Pages: 1895-1898 Published: OCT 3 1994
- 1,488. MICROCANONICAL SIMULATION OF MULTIFRAGMENTATION OF EXOTIC NUCLEAR SHAPES  
By: PAL, S; SAMADDAR, SK; DAS, A; et al.  
PHYSICS LETTERS B Volume: 337 Issue: 1-2 Pages: 14-18 Published: OCT 6 1994
- 1,489. BETA-DECAY RATES OF FP SHELL NUCLEI WITH A-GREATER-THAN-60 IN MASSIVE STARS AT THE PRESUPERNOVA STAGE  
By: KAR, K; RAY, A; SARKAR, S  
ASTROPHYSICAL JOURNAL Volume: 434 Issue: 2 Pages: 662-683 Part: 1 Published: OCT 20 1994
- 1,490. SINGLE PHOTONS FROM S+AU COLLISIONS AT THE CERN SUPER PROTON SYNCHROTRON AND THE QUARK-HADRON PHASE-TRANSITION  
By: SRIVASTAVA, DK; SINHA, B  
PHYSICAL REVIEW LETTERS Volume: 73 Issue: 18 Pages: 2421-2424 Published: OCT 31 1994
- 1,491. ENTROPY IN DILATONIC BLACK-HOLE BACKGROUND  
By: GHOSH, A; MITRA, P  
PHYSICAL REVIEW LETTERS Volume: 73 Issue: 19 Pages: 2521-2523 Published: NOV 7 1994
- 1,492. LUMINESCENCE BEHAVIOR OF 7-AZAINDOLE IN AOT REVERSE MICELLES  
By: RAY, JG; SENGUPTA, PK  
CHEMICAL PHYSICS LETTERS Volume: 230 Issue: 1-2 Pages: 75-81 Published: NOV 18 1994
- 1,493. TRANSPORT-PROPERTIES OF FECL<sub>3</sub>-DOPED POLYPYRROLES AT DIFFERENT DOPANT CONCENTRATIONS  
By: BHATTACHARYA, A; DE, A; BHATTACHARYA, SN; et al.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 6 Issue: 48 Pages: 10499-10507 Published: NOV 28 1994

- 1,494. NONLINEAR AC SUSCEPTIBILITY OF FE<sub>3</sub>-XMNXS (X=1.2, 1.5, 1.8)  
By: CHAKRAVARTI, A; RANGANATHAN, R; CHATTERJEE, S  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 138 Issue: 3 Pages: 329-338  
Published: DEC 1994
- 1,495. EXPERIMENTAL LIFETIMES OF SOME EXCITED-STATES OF XEII  
By: DAS, MB  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 52 Issue: 6 Pages:  
743-745 Published: DEC 1994
- 1,496. LOW-TEMPERATURE SYNTHESIS OF SUPERCONDUCTING HGBA<sub>2</sub>CUO<sub>4</sub>+DELTA AND ITS  
DETERIORATION TO NONSUPERCONDUCTING PHASE STUDIED BY X-RAY AND IR METHODS  
By: MANDAL, JB; BANDYOPADHYAY, B; PODDAR, A; et al.  
PHYSICA C Volume: 235 Pages: 1107-1108 Part: 2 Published: DEC 1994
- 1,497. SIMPLE PHENOMENOLOGY FOR THE GROUND-STATE BANDS OF EVEN-EVEN NUCLEI  
By: SARKAR, M; SEN, S  
PHYSICAL REVIEW C Volume: 50 Issue: 6 Pages: 2794-2799 Published: DEC 1994
- 1,498. RADIATIVE-CORRECTIONS TO (GAMMA-ZETA-]B(B)OVER-BAR) FROM COLORED SCALARS IN A  
MODEL WITH DYNAMICAL SYMMETRY-BREAKING  
By: KUNDU, A; RAYCHAUDHURI, S; DE, T; et al.  
PHYSICAL REVIEW D Volume: 50 Issue: 11 Pages: 6872-6876 Published: DEC 1 1994
- 1,499. TARGET CURRENT-DENSITY EFFECTS ON THE YIELD RATIOS IN+/I+ (N=2,3) FOR MULTIPLY-  
CHARGED SECONDARY IONS EMITTED FROM SI, GE AND AL TARGETS UNDER 3-10-KEV INERT-GAS  
BOMBARDMENT  
By: RAY, N; RAJASEKAR, P; DEY, SD  
VACUUM Volume: 45 Issue: 12 Pages: 1209-1214 Published: DEC 1994
- 1,500. STATISTICAL-MECHANICS - MODELS AND REALITIES  
By: CHAKRABARTI, BK  
CURRENT SCIENCE Volume: 67 Issue: 11 Pages: 839-841 Published: DEC 10 1994
- 1,501. SURFACE-STRUCTURE  
By: SANYAL, MK  
CURRENT SCIENCE Volume: 67 Issue: 11 Pages: 880-883 Published: DEC 10 1994
- 1,502. FERMION SCATTERING OFF DILATONIC BLACK-HOLES  
By: GHOSH, A; MITRA, P  
PHYSICAL REVIEW D Volume: 50 Issue: 12 Pages: 7389-7393 Published: DEC 15 1994
- 1,503. CRYSTAL-STRUCTURE OF A FURO-[3,2-G]-[1]-BENZOPYRAN-7-ONE DERIVATIVE  
By: PADHA, N; SUBRAMANIAN, E; DASS, AK; et al.

CRYSTAL RESEARCH AND TECHNOLOGY Volume: 30 Issue: 2 Pages: 205-209 Published: 1995

1,504. RAMAN-SCATTERING IN ZNSEXT1-X THIN-FILMS - A PROBE FOR ALLOY DISORDER

By: PAL, AJ; MANDAL, J

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 216 Issue: 2 Pages: 265-267 Published: JAN 1 1995

1,505. STUDIES OF BINDING-ENERGIES OF VARIOUS COMPONENTS IN BISMUTH-BASED CUPRATE SUPERCONDUCTORS THROUGH SECONDARY-ION MASS-SPECTROMETRY AND X-RAY PHOTOELECTRON-SPECTROSCOPY

By: RAJASEKAR, P; RAY, N; DEY, SD; et al.

JOURNAL OF APPLIED PHYSICS Volume: 77 Issue: 1 Pages: 343-349 Published: JAN 1 1995

1,506. EXTRACTION CHROMATOGRAPHIC-SEPARATION OF MO-99 AND W-187 WITH TRIOCTYLAMINE  
By: DAS, NR; LAHIRI, S

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 189 Issue: 2 Pages: 345-348 Published: JAN 1995

1,507. A molecular meanfield model for the biaxial rectangular discotic phase with herring-bone packing of tilted molecules

By: Ghose, D; Bose, TR; Saha, J; et al.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION A-MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 264 Pages: 165-179 Published: 1995

1,508. RAPIDITY DISTRIBUTION OF PHOTONS EMITTED FROM A HADRONIZING QUARK-GLUON PLASMA

By: SARKAR, S; SRIVASTAVA, DK; SINHA, B

PHYSICAL REVIEW C Volume: 51 Issue: 1 Pages: 318-327 Published: JAN 1995

1,509. PARTICLE IDENTIFICATION BY SSNTD - A NEW APPROACH

By: MUKHERJEE, RN; DAS, PK; DE, TK; et al.

RADIATION MEASUREMENTS Volume: 24 Issue: 1 Pages: 67-73 Published: JAN 1995

1,510. SEQUENTIAL SEPARATION OF CARRIER- SC-47, V-48 AND CR-48,CR-49,CR-51 FROM EX-PARTICLE ACTIVATED TITANIUM WITH TOA

By: DAS, NR; BANERJEE, S; LAHIRI, S

RADIOCHIMICA ACTA Volume: 69 Issue: 1 Pages: 61-64 Published: 1995

1,511. ON THE PHENOMENON OF DIRECT EMISSION OF SMALL SI-N(+) (N=2, 3) CLUSTERS FROM AN AR+ BOMBARDED SI SURFACE

By: RAY, N; RAJASEKAR, P; DEY, SD

SURFACE SCIENCE Volume: 322 Issue: 1-3 Pages: 90-94 Published: JAN 1 1995

1,512. REDOX REACTIONS OF HYDROGEN ADDUCTS OF THYMINE - COMPARISONS WITH THE REACTIONS OF HYDROXYL ADDUCTS

By: CHAKRABARTI, S; MANDAL, PC; BHATTACHARYYA, SN  
TALANTA Volume: 42 Issue: 1 Pages: 55-57 Published: JAN 1995

1,513. BOMBARDMENT-INDUCED LIGHT-EMISSION SPECTROSCOPY OF GAAS

By: GHOSE, D

VACUUM Volume: 46 Issue: 1 Pages: 13-16 Published: JAN 1995

1,514. ANALYZING POWER PUZZLE OF P+LI-6 SCATTERING - CONSISTENT ANALYSIS WITH DENSITY AND MOMENTUM-DEPENDENT FINITE-RANGE EFFECTIVE INTERACTION

By: KANUNGO, R; SAMANTA, C; ROY, S; et al.

NUCLEAR PHYSICS A Volume: 581 Issue: 2 Pages: 294-314 Published: JAN 9 1995

1,515. NEUTRINO MASS AND MIXING - THE IMPACT OF EXCITED-STATE CONTRIBUTIONS ON CAPTURE RATES OF GA DETECTORS

By: KAR, K; GOSWAMI, S; RAYCHAUDHURI, A

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 10 Issue: 1 Pages: 133-143 Published: JAN 10 1995

1,516. PHASE-TRANSITION IN A MANY-ELECTRON GAS IN A 2-DIMENSIONAL POLAR-SEMICONDUCTOR QUANTUM-WELL

By: CHATTERJEE, A; SIL, S

PHYSICAL REVIEW B Volume: 51 Issue: 4 Pages: 2223-2228 Published: JAN 15 1995

1,517. Q-DEFORMED ANGULAR-MOMENTUM OPERATOR AND POSSIBLE APPLICATION TO TRIATOMIC-MOLECULES

By: KUNDU, A; NG, YJ

PHYSICS LETTERS A Volume: 197 Issue: 3 Pages: 221-226 Published: JAN 23 1995

1,518. NEURAL NETWORKS

By: CHAKRABARTI, BK

CURRENT SCIENCE Volume: 68 Issue: 2 Pages: 153-155 Published: JAN 25 1995

1,519. NONLINEAR SATURATION OF TOROIDAL ALFVEN EIGENMODES

By: ZONCA, F; ROMANELLI, F; VLAD, G; et al.

PHYSICAL REVIEW LETTERS Volume: 74 Issue: 5 Pages: 698-701 Published: JAN 30 1995

1,520. ROLE OF MAGNESIUM-ION IN MITHRAMYCIN DNA INTERACTION - BINDING OF MITHRAMYCIN MG<sup>2+</sup> COMPLEXES WITH DNA

By: AICH, P; DASGUPTA, D

BIOCHEMISTRY Volume: 34 Issue: 4 Pages: 1376-1385 Published: JAN 31 1995

1,521. A COMPARATIVE-STUDY OF PRIMARY ION ENERGY-DEPENDENCE OF SECONDARY-ION YIELDS FROM SI AND GE SURFACES UNDER INERT AND REACTIVE ION-BOMBARDMENT

By: RAY, N; RAJASEKAR, P; DEY, SD

APPLIED SURFACE SCIENCE Volume: 84 Issue: 2 Pages: 203-210 Published: FEB 1995

1,522. OXIDATIVE DAMAGE OF DNA AND BENZOATE BY CHELATED AND NON-CHELATED COPPER IN PRESENCE OF HYDROGEN-PEROXIDE

By: MUKHERJEE, U; CHATTEJEE, SN

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 32 Issue: 1 Pages: 32-36 Published: FEB 1995

1,523. STUDY OF THE RESPONSE TO PULSES AND POSSIBLE PREDICTION OF CATASTROPHES

By: ACHARYYA, M; CHAKRABARTI, BK

JOURNAL DE PHYSIQUE I Volume: 5 Issue: 2 Pages: 153-158 Published: FEB 1995

1,524. EFFECTS OF ISODOUBLET COLOR-OCTET SCALAR BOSONS ON OBLIQUE ELECTROWEAK PARAMETERS

By: BHATTACHARYYA, G; KUNDU, A; DE, T; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 21 Issue: 2 Pages: 153-157 Published: FEB 1995

1,525. MAGNETIC-PROPERTIES OF LAYERED ANTIFERROMAGNETS

By: CHATTERJEE, I

PHYSICAL REVIEW B Volume: 51 Issue: 6 Pages: 3937-3940 Published: FEB 1 1995

1,526. LINEAR AND NONLINEAR DYNAMICS OF ALFVEN EIGENMODES IN TOKAMAKS

By: VLAD, G; KAR, C; ZONCA, F; et al.

PHYSICS OF PLASMAS Volume: 2 Issue: 2 Pages: 418-441 Published: FEB 1995

1,527. STUDY OF THE MAGNETIC-SUSCEPTIBILITY OF  $KMFeF_6$  ( $M=CO$  AND  $ZN$ )

By: GIRI, S; GHOSHROY, K; GHOSHROY, A

SOLID STATE COMMUNICATIONS Volume: 93 Issue: 6 Pages: 493-495 Published: FEB 1995

1,528. ROTATIONAL BAND IN SN-111

By: GANGOPADHYAY, G; SINGH, AK; BANERJEE, D; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 351 Issue: 1 Pages: 1-2 Published: FEB 1995

1,529. CONTINUUM-CONTINUUM COUPLING WITH DISCRETIZED  $Li-6$ - $\alpha$ +D BREAKUP CONTINUUM DATA

By: KANUNGO, R; LAHIRI, M; SAMANTA, C; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 351 Issue: 1 Pages: 9-10 Published: FEB 1995

1,530. HEAVY-ION PHYSICS AT THE CYCLOTRON-CENTER, CALCUTTA

By: SINHA, B

NUCLEAR PHYSICS A Volume: 583 Pages: C413-C420 Published: FEB 6 1995

1,531. THERMODYNAMIC FLUCTUATION ANALYSIS IN  $Tl_2Ba_2Ca_1-xY_xCu_2O_{8+y}$  ( $Z=0-0.25$ ) SYSTEM

By: PODDAR, A; MANDAL, P; DAS, S

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 7 Issue: 7 Pages: 1351-1362 Published: FEB 13 1995

1,532. LONG-TERM PERFORMANCE OF A GAS-FILLED DELTA-E-COUNTER AND THE ROLE OF ELECTRONEGATIVE ELEMENTS AND MOISTURE IN COUNTER DETERIORATION

By: BASU, P; CHATTERJEE, ML

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 355 Issue: 2-3 Pages: 453-463 Published: FEB 15 1995

1,533. ROLE OF A NEW-TYPE OF CORRELATED DISORDER IN EXTENDED ELECTRONIC STATES IN THE THUE-MORSE LATTICE

By: CHAKRABARTI, A; KARMAKAR, SN; MOITRA, RK

PHYSICAL REVIEW LETTERS Volume: 74 Issue: 8 Pages: 1403-1406 Published: FEB 20 1995

1,534. STRUCTURE OF MULTI-ANYON WAVE-FUNCTIONS

By: MITRA, P

PHYSICS LETTERS B Volume: 345 Issue: 4 Pages: 473-476 Published: FEB 23 1995

1,535. IDENTICAL SCALING BEHAVIOR OF DC AND AC RESPONSE NEAR THE PERCOLATION-THRESHOLD IN CONDUCTOR-INSULATOR MIXTURES - COMMENT

By: SEN, AK

PHYSICAL REVIEW LETTERS Volume: 74 Issue: 9 Pages: 1693-1693 Published: FEB 27 1995

1,536. IDENTICAL SCALING BEHAVIOR OF DC AND AC RESPONSE NEAR THE PERCOLATION-THRESHOLD IN CONDUCTOR-INSULATOR MIXTURES - REPLY

By: BARDHAN, KK; CHAKRABARTY, RK

PHYSICAL REVIEW LETTERS Volume: 74 Issue: 9 Pages: 1694-1694 Published: FEB 27 1995

1,537. EFFECT OF INCLUSION OF 1G ORBITS ON THE GAMOW-TELLER STRENGTHS FOR THE CAPTURE RATES OF SOLAR NEUTRINOS IN GA DETECTORS

By: SARKAR, S; KAR, K

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 21 Issue: 3 Pages: 411-418 Published: MAR 1995

1,538. INTER-STRAND CROSS-LINKING OF VIBRIO-CHOLERAEE DNA INDUCED BY FURAZOLIDONE - A QUANTITATIVE ASSAY BY 4 SIMPLE METHODS

By: BASAK, J

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume: 327 Issue: 1-2 Pages: 5-15 Published: MAR 1995

1,539. HYDROGEN DISSOCIATION ON AU-SUBSTITUTED PT CLUSTERS

By: KHANRA, BC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 34 Issue: 4 Pages: 249-252 Published: APR 1995

1,540. REDUCTION OF PLASMA-WALL INTERACTION AND MHD DYNAMICS OF MAGNETICALLY COMPRESSED ULQ PLASMAS IN REPUTE-1

By: WATANABE, M; IKATHU, N; KIDO, S; et al.

JOURNAL OF NUCLEAR MATERIALS Volume: 220 Pages: 641-645 Published: APR 1995

1,541. REACTIONS OF HYDROXYALKYL RADICALS WITH NICKEL(II) AND COPPER(II) COMPLEXES OF 2-METHYL-5-NITRO-1H-IMIDAZOLE-1-ETHANOL - A STEADY-STATE GAMMA-RADIOLYSIS AND FLASH-PHOTOLYSIS STUDY

By: ROY, MB; MANDAL, PC; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 191 Issue: 2 Pages: 337-348 Published: APR 1995

1,542. ONE-ELECTRON OXIDATION OF NI(II)-IMINODIACETATE BY CARBONATE RADICAL

By: MANDAL, PC; BARDHAN, DK; BHATTACHARYYA, SN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 191 Issue: 2 Pages: 349-359 Published: APR 1995

1,543. CAN WEAKLY ABSORBING SURFACE TRANSPARENT NUCLEUS-NUCLEUS INTERACTION ENSURE ORBITING

By: RAY, A; BANERJEE, SR; DAS, P; et al.

PHYSICAL REVIEW C Volume: 51 Issue: 4 Pages: R1604-R1608 Published: APR 1995

1,544. LIGHT-EMISSION FROM A SI TARGET DURING ION-BEAM SPUTTERING

By: GHOSE, D; BRINKMANN, U; HIPPLER, R

SURFACE SCIENCE Volume: 327 Issue: 1-2 Pages: 53-58 Published: APR 1 1995

1,545. INOSITOL(1,3,4,5) TETRAKISPHOSPHATE PLAYS AN IMPORTANT ROLE IN CALCIUM MOBILIZATION FROM ENTAMOEBAS-HISTOLYTICA

By: RAHA, S; GIRI, B; BHATTACHARYYA, B; et al.

FEBS LETTERS Volume: 362 Issue: 3 Pages: 316-318 Published: APR 10 1995

1,546. PHOTSENSITIZATION OF DNA BASES BY 4(5)-NITROIMIDAZOLE - A STEADY-STATE AND FLASH-PHOTOLYSIS STUDY

By: ROY, MB; MANDAL, PC; BASU, S; et al.

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS Volume: 91 Issue: 8 Pages: 1191-1196 Published: APR 14 1995

1,547. STUDY OF PERCOLATION IN THE PRESENCE OF TUNNELING BONDS

By: GUPTA, AK; SEN, AK

PHYSICA A Volume: 215 Issue: 1-2 Pages: 1-9 Published: APR 15 1995

1,548. RECOMBINATION EFFECT IN NUCLEAR MULTIFRAGMENTATION

By: PAL, S; SAMADDAR, SK; DAS, A; et al.

NUCLEAR PHYSICS A Volume: 586 Issue: 3 Pages: 466-482 Published: APR 17 1995

1,549. THE BERRY PHASE, NONLOCAL POTENTIALS AND COUPLED-CHANNEL PROBLEMS

By: MUKHERJEE, T; MUKHERJEE, M; KUNDU, A; et al.

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 28 Issue: 8 Pages: 2353-2358

Published: APR 21 1995

1,550. EXCLUSIVE PION-PRODUCTION IN PROTON-NUCLEUS COLLISIONS AND THE RELATIVISTIC 2  
NUCLEON DYNAMICS

By: SHYAM, R; CASSING, W; MOSEL, U

NUCLEAR PHYSICS A Volume: 586 Issue: 4 Pages: 557-585 Published: APR 24 1995

1,551. PARTIAL UNFOLDING OF LACTATE-DEHYDROGENASE IN THE PRESENCE OF LOW  
CONCENTRATIONS OF GUANIDIUM CHLORIDE

By: CHAKRABARTI, A; CHATTOPADHYAY, S; DASGUPTA, CK

CURRENT SCIENCE Volume: 68 Issue: 8 Pages: 836-839 Published: APR 25 1995

1,552. MOMENTUM DISTRIBUTION OF FRAGMENTS IN REACTIONS INDUCED BY NEUTRON-RICH  
NUCLEI

By: BANERJEE, P; SHYAM, R

PHYSICS LETTERS B Volume: 349 Issue: 4 Pages: 421-426 Published: APR 27 1995

1,553. A STUDY OF THE IMMOBILIZATION OF STRONTIUM OVER CRYSTALLINE TITANIA

By: BHATTACHARYYA, DK; DUTTA, NC

JOURNAL OF MATERIALS SCIENCE Volume: 30 Issue: 9 Pages: 2248-2250 Published: MAY 1 1995

1,554. CORRELATION BETWEEN UVA-INDUCED CHANGES IN MICROVISCOSITY, PERMEABILITY AND  
MALONDIALDEHYDE FORMATION IN LIPOSOMAL MEMBRANE

By: BOSE, B; CHATTERJEE, SN

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 28 Issue: 2 Pages: 149-  
153 Published: MAY 1995

1,555. ON THE INDUCTION OF PROTECTIVE RESPONSES IN SALMONELLA-TYPHIMURIUM STRAIN  
TA1535/PSK1002 BY UVA (365 NM)

By: RAHMAN, MS; BOSE, B; CHATTERJEE, SN

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 61 Issue: 5 Pages: 471-478 Published: MAY  
1995

1,556. ACCURATE MEASUREMENT OF K X-RAY-INTENSITIES OF ELEMENTS WITH Z=79-82

By: DASMAHAPATRA, B; MUKHERJEE, A

PHYSICAL REVIEW A Volume: 51 Issue: 5 Pages: 3546-3550 Published: MAY 1995

1,557. STRONG EVIDENCE OF AN ISOTOPE EFFECT IN THE DIFFUSION OF A NaCl AND CsCl SOLUTION

By: CHAKRABARTI, H



PHYSICAL REVIEW B Volume: 51 Issue: 18 Pages: 12809-12812 Published: MAY 1 1995

1,558. ROLE OF ORTHORHOMBIC DISTORTION, 2ND-NEAREST-NEIGHBOR HOPPING, AND COULOMB REPULSION ON THE SUPERCONDUCTING TRANSITION-TEMPERATURE AND ISOTOPE-SHIFT EXPONENT  
By: SARKAR, S; BASU, S; DAS, AN

PHYSICAL REVIEW B Volume: 51 Issue: 18 Pages: 12854-12856 Published: MAY 1 1995

1,559. 6-CHLORO-1-ETHYL-1,4-DIHYDRO-4-OXO-7-(4-METHYL-1-PIPERAZINYL)-1,8-NAPHTHYRIDINE-3-CARBOXYLIC ACID, C<sub>16</sub>H<sub>19</sub>CLN<sub>4</sub>O<sub>3</sub>

By: DATTA, M; HANNAN, SS; TALUKDAR, AN

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 51 Pages: 978-980 Part: 5 Published: MAY 15 1995

1,560. CONE FORMATION ON AG SURFACE BOMBARDED BY AR AT OBLIQUE-INCIDENCE

By: BHATTACHARYYA, SR; CHINI, TK; BASU, D

BULLETIN OF MATERIALS SCIENCE Volume: 18 Issue: 3 Pages: 201-206 Published: JUN 1995

1,561. GAUGE TRANSFORMATIONS OF CONSTRAINED KP FLOWS - NEW INTEGRABLE HIERARCHIES

By: KUNDU, A; STRAMPP, W; OEVEL, W

JOURNAL OF MATHEMATICAL PHYSICS Volume: 36 Issue: 6 Pages: 2972-2984 Published: JUN 1995

1,562. FISSION-FRAGMENT ANGULAR-DISTRIBUTIONS AND EXCITATION-FUNCTIONS IN FISSION FOLLOWING COMPLETE FUSION AND TARGET-LIKE-FRAGMENT FISSION REACTIONS OF F-19+TH-232 AT NEAR-BARRIER AND SUBBARRIER ENERGIES

By: MAJUMDAR, N; BHATTACHARYA, P; BISWAS, DC; et al.

PHYSICAL REVIEW C Volume: 51 Issue: 6 Pages: 3109-3115 Published: JUN 1995

1,563. LASER FLASH-PHOTOLYSIS STUDIES AND MAGNETIC-FIELD EFFECT ON A NEW HETEROEXCIMER BETWEEN N-ETHYLCARBAZOLE AND 1,4-DICYANOBENZENE IN HOMOGENEOUS AND HETEROGENEOUS MEDIA

By: AICH, S; BASU, S

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS Volume: 91 Issue: 11 Pages: 1593-1600 Published: JUN 7 1995

1,564. ANYONS IN CURVED SPACE-TIME

By: GHOSH, S; MUKHOPADHYAY, S

PHYSICAL REVIEW D Volume: 51 Issue: 12 Pages: 6843-6846 Published: JUN 15 1995

1,565. COULOMB-NUCLEAR INTERFERENCE IN 56 MEV DEUTERON BREAKUP AT EXTREME FORWARD ANGLE

By: SAMANTA, C; KANUNGO, R; MUKHERJEE, S; et al.

PHYSICS LETTERS B Volume: 352 Issue: 3-4 Pages: 197-200 Published: JUN 15 1995

1,566. PHYSICAL SOLUTION OF CHIRAL SCHWINGER MODEL WITH NEW REGULARIZATION

By: MUKHOPADHYAY, S; MITRA, P

ANNALS OF PHYSICS Volume: 241 Issue: 1 Pages: 68-78 Published: JUL 1995

1,567. CHARACTERIZATION AND OPTIMIZATION OF TI-DIFFUSED LINBO<sub>3</sub> OPTICAL WAVE-GUIDES BY 2ND DIFFUSION OF MAGNESIUM

By: CACCAVALE, F; CHAKRABORTY, P; CAPOBIANCO, A; et al.

JOURNAL OF APPLIED PHYSICS Volume: 78 Issue: 1 Pages: 187-193 Published: JUL 1 1995

1,568. MEASUREMENT OF COMPLETE FUSION-FISSION AND TRANSFER-FISSION CROSS-SECTIONS AND ANGULAR-DISTRIBUTIONS FOR F-19+TH-232 AT SUBBARRIER ENERGIES BY FISSION FRAGMENT FOLDING-ANGLE TECHNIQUE

By: BHATTACHARYA, P; MAJUMDAR, N; BASU, P; et al.

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 108 Issue: 7 Pages: 819-830 Published: JUL 1995

1,569. SOMATOSTATIN IN A WATER-RESTRICTED ENVIRONMENT - FLUORESCENCE AND CIRCULAR-DICHROISM STUDY IN AOT REVERSE MICELLES

By: BHATTACHARYYA, K; BASAK, S

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 62 Issue: 1 Pages: 17-23 Published: JUL 1995

1,570. LA-128,LA-130,LA-132,LA-134 IN THE AXIALLY-SYMMETRICAL ROTOR MODEL

By: PRAMANIK, UD; BHATTACHARYA, S

PHYSICAL REVIEW C Volume: 52 Issue: 1 Pages: 117-128 Published: JUL 1995

1,571. STATISTICS OF SELF-AVOIDING WALKS ON RANDOM LATTICES

By: BARAT, K; CHAKRABARTI, BK

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 258 Issue: 6 Pages: 377-411 Published: JUL 1995

1,572. RADIATION-INDUCED INACTIVATION OF ENZYMES - A REVIEW

By: SAHA, A; MANDAL, PC; BHATTACHARYYA, SN

RADIATION PHYSICS AND CHEMISTRY Volume: 46 Issue: 1 Pages: 123-145 Published: JUL 1995

1,573. RADIATION-INDUCED INACTIVATION OF FLAVOCYTOCHROME B(2) IN DILUTE AQUEOUS-SOLUTION

By: BHATTACHARYA, D; SAHA, A; MANDAL, PC

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEIN STRUCTURE AND MOLECULAR ENZYMOLOGY Volume: 1250 Issue: 1 Pages: 1-8 Published: JUL 3 1995

1,574. TRANSPORT IN ALTERED PERCOLATING SYSTEMS

By: NANDY, UN; BARDHAN, KK

EUROPHYSICS LETTERS Volume: 31 Issue: 2 Pages: 101-106 Published: JUL 10 1995

1,575. THE GROUND-STATE OF THE PENSON-KOLB-HUBBARD MODEL

By: BHATTACHARYYA, B; ROY, GK

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 7 Issue: 28 Pages: 5537-5547 Published: JUL 10 1995

1,576. SIGNATURE OF EXOTIC NUCLEAR SHAPES FROM IMF-IMF CORRELATIONS

By: PAL, S; SAMADDAR, SK; DE, JN

NUCLEAR PHYSICS A Volume: 589 Issue: 3 Pages: 489-504 Published: JUL 10 1995

1,577. BOSE SYMMETRY AND BOSONIZATION

By: BANERJEE, N; BANERJEE, R

NUCLEAR PHYSICS B Volume: 445 Issue: 2-3 Pages: 516-524 Published: JUL 10 1995

1,578. 4TH ORDER RESONANT COLLISIONS OF MULTIPLIERS IN REVERSIBLE MAPS - PERIOD-4 ORBITS AND INVARIANT CURVES

By: LAHIRI, A; BHOWAL, A; ROY, TK

PHYSICA D Volume: 85 Issue: 1-2 Pages: 10-24 Published: JUL 15 1995

1,579. A DNA-BINDING ANTITUMOR ANTIBIOTIC BINDS TO SPECTRIN

By: MAJEE, S; CHAKRABARTI, A

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 212 Issue: 2 Pages: 428-432 Published: JUL 17 1995

1,580. UNIVERSAL R-MATRIX OF REDUCTIVE LIE-ALGEBRAS AND QUANTUM INTEGRABLE SYSTEMS FROM ITS COLOR REPRESENTATION

By: KUNDU, A; TRUINI, P

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 28 Issue: 14 Pages: 4089-4108 Published: JUL 21 1995

1,581. SINGLE PHOTONS FROM S+AU COLLISIONS AT CERN SUPER PROTON SYNCHROTRON AND QUARK-HADRON PHASE-TRANSITION

By: SRIVASTAVA, DK; SINHA, B

NUCLEAR PHYSICS A Volume: 590 Issue: 1-2 Pages: C507-C510 Published: JUL 24 1995

1,582. MACROSCOPIC MOTION IN SYSTEMS AT THERMAL-EQUILIBRIUM

By: GHOSH, A; MUKHOPADHYAY, P

AMERICAN JOURNAL OF PHYSICS Volume: 63 Issue: 8 Pages: 753-755 Published: AUG 1995

1,583. QUANTIZATION OF 2ND CLASS SYSTEMS IN THE BATALIN-TYUTIN FORMALISM

By: BANERJEE, N; BANERJEE, R; GHOSH, S

ANNALS OF PHYSICS Volume: 241 Issue: 2 Pages: 237-257 Published: AUG 1 1995

1,584. BOND ORDER CONSERVATION MODEL STUDIES OF H-2, O-2 AND CO DISSOCIATION ON METALLIC NANOSTRUCTURES

By: KHANRA, BC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 34 Issue: 8 Pages: 585-589 Published: AUG 1995

1,585. DERIVATIVE AND HIGHER-ORDER EXTENSIONS OF DAVEY-STEWARTSON EQUATION FROM MATRIX KADOMTSEV-PETVIASHVILI HIERARCHY

By: KUNDU, A; STRAMPP, W

JOURNAL OF MATHEMATICAL PHYSICS Volume: 36 Issue: 8 Pages: 4192-4202 Published: AUG 1995

1,586. COSTER-KRONIG YIELDS OF THE XE-54 L-SUBSHELLS MEASURED THROUGH SYNCHROTRON PHOTOIONIZATION

By: JITSCHIN, W; STOTZEL, R; PAPP, T; et al.

PHYSICAL REVIEW A Volume: 52 Issue: 2 Pages: 977-983 Published: AUG 1995

1,587. ELECTRON-WAVE TRANSPORT IN COHERENTLY ABSORPTIVE RANDOM-MEDIA

By: GUPTA, AK; JAYANAVAR, AM

PHYSICAL REVIEW B Volume: 52 Issue: 6 Pages: 4156-4161 Published: AUG 1 1995

1,588. INCLUSION OF FLUCTUATIONS IN BOLTZMANN-UHLENBECK DYNAMICS - A METHOD OF SIMULATION

By: CHATTOPADHYAY, S

PHYSICAL REVIEW C Volume: 52 Issue: 2 Pages: R480-R484 Published: AUG 1995

1,589. MASSIVE STATES IN CHIRAL PERTURBATION-THEORY

By: MALLIK, S

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 68 Issue: 1 Pages: 149-152 Published: AUG 1995

1,590. THE GENERALIZED HUBBARD-MODEL IN ONE-DIMENSION - A RENORMALIZATION-GROUP STUDY

By: BHATTACHARYYA, B; SIL, S

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 7 Issue: 33 Pages: 6663-6674 Published: AUG 14 1995

1,591. 3'-ISOCYANO-2',3'-DIDEOXYURIDINE (NCDDURD) - A NUCLEOSIDE ANALOG

By: DAS, AK; MAZUMDAR, SK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 51 Pages: 1652-1654 Part: 8 Published: AUG 15 1995

1,592. CHROMIUM DIFFUSION IN LITHIUM-NIOBATE FOR ACTIVE OPTICAL WAVE-GUIDES

By: ALMEIDA, JM; BOYLE, G; LEITE, AP; et al.

JOURNAL OF APPLIED PHYSICS Volume: 78 Issue: 4 Pages: 2193-2197 Published: AUG 15 1995

1,593. RADIOSENSITIZATION OF THYMINE BY FE(III)-1,2 DIHYDROXYANTHRAQUINONE COMPLEX IN DILUTE AQUEOUS-SOLUTION

By: DAS, S; SAHA, A; MANDAL, PC

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 196 Issue: 1 Pages: 57-63 Published: SEP 1995

1,594. SHAPE OF THE CLUSTERS OF A PERCOLATIVE SYSTEM IN THE PRESENCE OF TUNNELING BONDS AND A FINITE ELECTRIC-FIELD

By: GUPTA, AK; SEN, AK

JOURNAL OF STATISTICAL PHYSICS Volume: 80 Issue: 5-6 Pages: 1425-1431 Published: SEP 1995

1,595. IMPORTANCE OF SUBSHELL COUPLING IN L-SHELL IONIZATION BY LOW-VELOCITY HEAVY-IONS

By: SARKAR, M; BHATTACHARYA, D; CHATTERJEE, MB; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 103 Issue: 1 Pages: 23-27 Published: SEP 1995

1,596. RESPONSE OF ISING SYSTEMS TO OSCILLATING AND PULSED FIELDS - HYSTERESIS, AC, AND PULSE SUSCEPTIBILITY

By: ACHARYYA, M; CHAKRABARTI, BK

PHYSICAL REVIEW B Volume: 52 Issue: 9 Pages: 6550-6568 Published: SEP 1 1995

1,597. COUPLED-CHANNEL FOLDING MODEL DESCRIPTION OF A SCATTERING FROM BE-9

By: ROY, S; CHATTERJEE, JM; MAJUMDAR, H; et al.

PHYSICAL REVIEW C Volume: 52 Issue: 3 Pages: 1524-1531 Published: SEP 1995

1,598. STUDIES ON THE EFFECTS OF CAPSAICIN ON LEAKAGE IN EGG LECITHIN (PHOSPHATIDYL CHOLINE) LIPOSOME MEMBRANES IN-VITRO

By: MANDAL, TK; CHAKRABORTY, B; DE, AK

PHYTOTHERAPY RESEARCH Volume: 9 Issue: 6 Pages: 425-428 Published: SEP 1995

1,599. BAND STRUCTURES OF I-121,I-123

By: GOSWAMI, R; SETHI, B; SARKAR, MS; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 352 Issue: 4 Pages: 391-395 Published: SEP 1995

1,600. INTERMEDIATE-MASS FRAGMENT PRODUCTION IN (ALPHA+AL-27) REACTION AT LOW ENERGIES

By: MUKHERJEE, RN; DE, TK; BALIGA, BB

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 352 Issue: 4 Pages: 417-420 Published: SEP 1995

1,601. EFFECT OF NEIGHBORING FRAGMENTS ON SEQUENTIAL BINARY DECAY

By: PAL, S; SAMADDAR, SK; DE, JN

NUCLEAR PHYSICS A Volume: 591 Issue: 4 Pages: 719-737 Published: SEP 4 1995

1,602. ENTROPY FOR EXTREMAL REISSNER-NORDSTROM BLACK-HOLES

By: GHOSH, A; MITRA, P

PHYSICS LETTERS B Volume: 357 Issue: 3 Pages: 295-299 Published: SEP 7 1995

- 1,603. HELIUM IMPLANTED VANADIUM STUDIED BY THE POSITRON-ANNIHILATION TECHNIQUE  
By: SUBRAHMANYAM, VS; SEN, P  
APPLIED RADIATION AND ISOTOPES Volume: 46 Issue: 10 Pages: 981-985 Published: OCT 1995
- 1,604. POLARIMETRIC STUDY OF DEGENERATE 4-WAVE-MIXING WITH FOLDED BOXCARS GEOMETRY  
IN ISOTROPIC MEDIUM  
By: SAHA, SK  
JOURNAL OF MODERN OPTICS Volume: 42 Issue: 10 Pages: 1985-1990 Published: OCT 1995
- 1,605. MODIFICATION AND DAMPING OF ALFVEN WAVES IN A MAGNETIZED DUSTY PLASMA  
By: SALIMULLAH, M; DASGUPTA, B; WATANABE, K; et al.  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 64 Issue: 10 Pages: 3758-3766 Published:  
OCT 1995
- 1,606. SUPERNATANT MEDIUM FROM UV-IRRADIATED CELLS INFLUENCES THE CYTOTOXICITY AND  
MUTAGENICITY OF V79 CELLS  
By: GHOSH, R; BHAUMIK, G  
MUTATION RESEARCH-ENVIRONMENTAL MUTAGENESIS AND RELATED SUBJECTS Volume: 335  
Issue: 2 Pages: 129-135 Published: OCT 1995
- 1,607. OBSERVATION OF DRIFT-WAVE-LIKE INSTABILITY IN TOKAMAK CORE REGION  
By: RAYCHAUDHURI, S  
NUCLEAR FUSION Volume: 35 Issue: 10 Pages: 1281-1288 Published: OCT 1995
- 1,608. ESTIMATION OF HYDROXYL -RADICALS PRODUCED BY ULTRASOUND IN FRICKE SOLUTION  
USED AS A CHEMICAL DOSIMETER  
By: JANA, AK; CHATTERJEE, SN  
ULTRASONICS SONOCHEMISTRY Volume: 2 Issue: 2 Pages: S87-S91 Published: OCT 1995
- 1,609. BARYOGENESIS AT THE ELECTROWEAK SCALE  
By: KUNDU, A; MALLIK, S  
ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 68 Issue: 3 Pages: 503-508 Published:  
OCT 1995
- 1,610. IMPROVED PERFORMANCE OF THE HOPFIELD AND LITTLE NEURAL-NETWORK MODELS WITH  
TIME-DELAYED DYNAMICS  
By: MAITI, PK; DASGUPTA, PK; CHAKRABARTI, BK  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 9 Issue: 23 Pages: 3025-3037  
Published: OCT 20 1995
- 1,611. SECONDARY-ION-MASS SPECTROMETRY AND NEAR-FIELD STUDIES OF TI-LINBO3 OPTICAL  
WAVE-GUIDES  
By: CACCAVALE, F; CHAKRABORTY, P; QUARANTA, A; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 78 Issue: 9 Pages: 5345-5350 Published: NOV 1 1995

1,612. PRESSURE COEFFICIENT OF THE SUPERCONDUCTING TRANSITION-TEMPERATURE WITHIN THE VAN HOVE SCENARIO

By: SARKAR, S; BASU, S; DAS, AN

PHYSICAL REVIEW B Volume: 52 Issue: 17 Pages: 12545-12547 Published: NOV 1 1995

1,613. THE AZIMUTHAL ANGLE OPERATOR FOR ANGULAR-MOMENTUM AND PHASE OPERATORS OF OSCILLATORS

By: KAR, TK; BHAUMIK, D

PHYSICS LETTERS A Volume: 207 Issue: 5 Pages: 243-249 Published: NOV 6 1995

1,614. DISTINCTION BETWEEN MULTIFRAGMENTATION MECHANISMS FROM IMF-IMF CORRELATION-FUNCTIONS

By: PAL, S

NUCLEAR PHYSICS A Volume: 594 Issue: 2 Pages: 156-174 Published: NOV 13 1995

1,615. N-[1-PHENYL-2(R)-PROPYL]-2-CHLOROADENOSINE - AN ACTIVATING AGENT OF THE ADENOSINE A2 RECEPTOR

By: DAS, AK; BERTOLASI, V

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 51 Pages: 2408-2409 Part: 11 Published: NOV 15 1995

1,616. ERGODIC DIFFUSION DUE TO INTRINSIC MAGNETIC ERROR FIELD IN A TOROIDAL DISCHARGE

By: RAY, NR

EUROPHYSICS LETTERS Volume: 32 Issue: 6 Pages: 487-492 Published: NOV 20 1995

1,617. Origin of quantum group and its application in integrable systems

By: Kundu, A

CHAOS SOLITONS & FRACTALS Volume: 5 Issue: 12 Pages: 2329-2344 Published: DEC 1995

1,618. Studies of continuum coupling effects in Li-6(alpha,alpha) and Li-6(p,p') excitation

By: Kanungo, R; Lahiri, M; Samanta, C; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 4 Issue: 4 Pages: 827-841 Published: DEC 1995

1,619. THE BINDING-ENERGIES OF VARIOUS COMPONENTS IN A BISMUTH-BASED CUPRATE SUPERCONDUCTOR

By: CHAKRABORTY, P; CACCAVALE, F; LORUSSO, S; et al.

JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 193 Pages: 170-174 Published: DEC 1995

1,620. A SIMS study of embedded primary atom (Ar+ and Ne+) signals from Si and Ge surfaces under intense ion bombardment

By: Ray, N; Rajasekar, P; Dey, SD

JOURNAL OF NUCLEAR MATERIALS Volume: 227 Issue: 1-2 Pages: 138-143 Published: DEC 1995

1,621. ELECTRON-CYCLOTRON SUBHARMONIC RESONANCE-ABSORPTION

By: JANAKI, MS; DASGUPTA, B

PHYSICAL REVIEW E Volume: 52 Issue: 6 Pages: 6912-6915 Part: B Published: DEC 1995

1,622. Band structure in Ag-104

By: Goswami, A; Sarkar, MS; Pramanik, UD; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 353 Issue: 3 Pages: 231-232

Published: DEC 1995

1,623. Exact Bethe ansatz solution of non-ultralocal quantum mKdV model

By: Kundu, A

MODERN PHYSICS LETTERS A Volume: 10 Issue: 38 Pages: 2955-2966 Published: DEC 14 1995

1,624. The study of texturing of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  and

$\text{Bi}_{1.84}\text{Pb}_{0.34}\text{Sr}_{1.91}\text{Ca}_{2.03}\text{Cu}_3\text{O}_{10+\delta}$  superconductors as a function of pelletisation pressure

By: Sen, P; Bandyopadhyay, SK; Barat, P; et al.

PHYSICA C Volume: 255 Issue: 3-4 Pages: 306-310 Published: DEC 15 1995

1,625. Conductance and its fluctuations in disordered systems: Scaling behavior from ballistic to localized limit

By: Ganguli, MN; Sen, AK

PHYSICAL REVIEW B Volume: 52 Issue: 24 Pages: 17342-17351 Published: DEC 15 1995

1,626. Algebraic aspect and construction of lax operators in quantum integrable systems

By: BasuMallick, B; Kundu, A

MODERN PHYSICS LETTERS A Volume: 10 Issue: 40 Pages: 3113-3117 Published: DEC 28 1995

1,627. STUDY OF AL-C MULTILAYERS USING ANOMALOUS REFLECTIVITY AND HIGH QUANTUM WELLS USING RESOLUTION DIFFRACTION STUDIES OF MULTILAYERS.

By: Sanyal, M. K.; Datta, A.; Banerjee, S.; et al.

ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES Volume: 52 Supplement: S Pages: C464-C464 Meeting Abstract: MS12.02.02 Published: 1996

1,628. LLX separation of carrier- Sc-47, V-48 and Cr-48,Cr-49,Cr-51 produced in alpha-particle activated titanium with HDEHP

By: Lahiri, S; Banerjee, S; Das, NR

APPLIED RADIATION AND ISOTOPES Volume: 47 Issue: 1 Pages: 1-6 Published: JAN 1996

1,629. Conformational changes of E-coli RNA polymerase during transcription initiation

By: Sen, RJ; Dasgupta, D

BIOPHYSICAL CHEMISTRY Volume: 57 Issue: 2-3 Pages: 269-278 Published: JAN 1996

1,630. Temperature-dependent non linear conduction in composites

By: Nandi, UN; Bardhan, KK; Mukherjee, CD



DISORDERED MATERIALS - CURRENT DEVELOPMENTS - Book Series: MATERIALS SCIENCE FORUM  
Volume: 223 Pages: 261-265 Published: 1996

1,631. Effective medium theory for ionic conductivity of insulator dispersed composite electrolytes  
By: Bhattacharyya, AJ; Dutta, T; Roy, S; et al.

DISORDERED MATERIALS - CURRENT DEVELOPMENTS - Book Series: MATERIALS SCIENCE FORUM  
Volume: 223 Pages: 279-282 Published: 1996

1,632. Scaling field of the anisotropic XY model in one dimension

By: Basak, R; Chatterjee, I

PHYSICAL REVIEW B Volume: 53 Issue: 1 Pages: 38-39 Published: JAN 1 1996

1,633. Growth of breakdown susceptibility in random composites and the stick-slip model of earthquakes: Prediction of dielectric breakdown and other catastrophes

By: Acharyya, M; Chakrabarti, BK

PHYSICAL REVIEW E Volume: 53 Issue: 1 Pages: 140-147 Part: A Published: JAN 1996

1,634. An adiabatic phase in scattering

By: Ghosh, G

PHYSICS LETTERS A Volume: 210 Issue: 1-2 Pages: 40-44 Published: JAN 1 1996

1,635. Real space renormalisation group for a fermion system: An improved scheme

By: Bhattacharyya, B; Sil, S

PHYSICS LETTERS A Volume: 210 Issue: 1-2 Pages: 129-134 Published: JAN 1 1996

1,636. A theoretical analysis of looped-out DNA structure during replication

By: Majumdar, R; Thakur, AR

PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY Volume: 65 Supplement: 1 Pages: PB101-PB101  
Published: 1996

1,637. Conducting composites of polypyrrole and polyaniline - A review

By: Bhattacharya, A; De, A

PROGRESS IN SOLID STATE CHEMISTRY Volume: 24 Issue: 3 Pages: 141-181 Published: 1996

1,638. Radiochemical preconcentration of noble and platinum group metals for nuclear activation analysis

By: Lahiri, S; Nayak, D; Nandy, M; et al.

RADIOCHIMICA ACTA Volume: 73 Issue: 1 Pages: 35-37 Published: 1996

1,639. Reactions of OH center dot and e(aq)(-) with uracil and thymine in the presence of Cu(II) ions in dilute aqueous solutions: A pulse radiolysis study

By: Chabita, K; Saha, A; Mandal, PC; et al.

RESEARCH ON CHEMICAL INTERMEDIATES Volume: 22 Issue: 3 Pages: 225-240 Published: 1996

1,640. Studies on the formation of Cu(II) and Ni(II) complexes of 1,2-dihydroxy-9,10-anthraquinone and lack of stimulated superoxide formation by the complexes

By: Das, S; Saha, A; Mandal, PC

TALANTA Volume: 43 Issue: 1 Pages: 95-102 Published: JAN 1996

1,641. Crystal structure of 4-phenyl-1,2,3,6-tetrahydropyridine hydrochloride monohydrate, C<sub>11</sub>H<sub>13</sub>N center dot HCl center dot H<sub>2</sub>O

By: Chakrabarti, C; Sengupta, R; Dattagupta, JK

ZEITSCHRIFT FUR KRISTALLOGRAPHIE Volume: 211 Issue: 12 Pages: 971-972 Published: 1996

1,642. Multidimensional isotropic and anisotropic q-oscillator models

By: Ghosh, A; Mitra, P; Kundu, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 29 Issue: 1 Pages: 115-124

Published: JAN 7 1996

1,643. Coherent states for quons

By: Kar, TK; Ghosh, G

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 29 Issue: 1 Pages: 125-131

Published: JAN 7 1996

1,644. Li-7+C-12 and Li-7+C-13 fusion reactions at subbarrier energies

By: Mukherjee, A; Pramanik, UD; Sarkar, MS; et al.

NUCLEAR PHYSICS A Volume: 596 Issue: 2 Pages: 299-328 Published: JAN 8 1996

1,645. A beta-adrenergic agonist: Protonated terbutaline hemisulfate

By: Sengupta, R; Dattagupta, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 52 Pages:

162-164 Part: 1 Published: JAN 15 1996

1,646. An alpha-adrenergic agonist: Protonated oxymetazoline hydrochloride monohydrate

By: Sengupta, R; Dattagupta, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 52 Pages:

164-166 Part: 1 Published: JAN 15 1996

1,647. Estimation of single-strand breaks induced in the dried film of DNA by high energy alpha particle from a cyclotron

By: Basak, J

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 33 Issue: 1 Pages: 35-38 Published:

FEB 1996

1,648. Accessibility of very low q(alpha) (VLQ) and ultra-low q, (ULQ) discharges in the SINP tokamak

By: Lahiri, S; Iyengar, ANS; Mukhopadhyay, S; et al.

NUCLEAR FUSION Volume: 36 Issue: 2 Pages: 254-257 Published: FEB 1996

- 1,649. Response of random dielectric composites and earthquake models to pulses: Prediction possibilities  
By: Acharyya, M; Chakrabarti, BK  
PHYSICA A Volume: 224 Issue: 1-2 Pages: 254-266 Published: FEB 1 1996
- 1,650. Cluster statistics in dielectric breakdown  
By: Acharyya, M; Ray, P; Chakrabarti, BK  
PHYSICA A Volume: 224 Issue: 1-2 Pages: 287-291 Published: FEB 1 1996
- 1,651. Point-contact study of(Hg<sub>0.7</sub>Cr<sub>0.3</sub>)Sr<sub>2</sub>CuO<sub>4</sub>  
By: Rybaltchenko, LF; Yanson, IK; Jansen, AGM; et al.  
PHYSICA B Volume: 218 Issue: 1-4 Pages: 220-223 Published: FEB 1996
- 1,652. Polarons and bipolarons in a four-site periodic chain of spinless fermions  
By: Choudhury, P; Das, AN  
PHYSICAL REVIEW B Volume: 53 Issue: 6 Pages: 3203-3210 Published: FEB 1 1996
- 1,653. Refined Thomas-Fermi description of hot nuclei  
By: De, JN; Rudra, N; Pal, S; et al.  
PHYSICAL REVIEW C Volume: 53 Issue: 2 Pages: 780-789 Published: FEB 1996
- 1,654. Tensor coupling and vector mesons in dense nuclear matter  
By: DuttMazumder, AK; DuttaRoy, B; Kundu, A; et al.  
PHYSICAL REVIEW C Volume: 53 Issue: 2 Pages: 790-795 Published: FEB 1996
- 1,655. Reexamination of the nuclear orientation model of quasifission reactions to explain anomalous fragment anisotropies at sub-barrier energies  
By: Majumdar, N; Bhattacharya, P; Biswas, DC; et al.  
PHYSICAL REVIEW C Volume: 53 Issue: 2 Pages: R544-R548 Published: FEB 1996
- 1,656. Excess production of low-mass lepton pairs in S+Au collisions at the CERN super proton synchrotron and the quark-hadron phase transition  
By: Srivastava, DK; Sinha, B; Gale, C  
PHYSICAL REVIEW C Volume: 53 Issue: 2 Pages: R567-R571 Published: FEB 1996
- 1,657. Study of Triton X-100 surfactant-UO<sub>2</sub>(+2) aqueous system by positron annihilation technique  
By: Das, SK; Ganguly, BN  
RADIATION PHYSICS AND CHEMISTRY Volume: 47 Issue: 2 Pages: 257-262 Published: FEB 1996
- 1,658. Effect of reverse micelles on the intramolecular excited state proton transfer (ESPT) and dual luminescence behaviour of 3-hydroxyflavone  
By: Sarkar, M; Ray, JG; Sengupta, PK  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 52 Issue: 2 Pages: 275-278 Published: FEB 1996

1,659. Ligand binding isotherm for DNA in the presence of supercoil-induced non-B form: A theoretical analysis

By: Lahiri, A; Majumdar, R

BIOPHYSICAL CHEMISTRY Volume: 58 Issue: 3 Pages: 239-243 Published: FEB 8 1996

1,660. Backscattering and the decay of transmittance in a coherently absorbing or amplifying ordered chain

By: Sen, AK

MODERN PHYSICS LETTERS B Volume: 10 Issue: 3-5 Pages: 125-132 Published: FEB 10 1996

1,661. Characterization of the fluorescence emission properties of 7-azatryptophan in reverse micellar environments

By: Guharay, J; Sengupta, PK

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 219 Issue: 2 Pages: 388-392 Published: FEB 15 1996

1,662. On the role of synaptotagmin in synaptic vesicle exocytosis

By: Chaudhuri, S; Bhaumik, K

JOURNAL OF THEORETICAL BIOLOGY Volume: 178 Issue: 4 Pages: 419-422 Published: FEB 21 1996

1,663. Studies of 1,3-butadiene hydrogenation on Pd nanostructures

By: Khanra, BC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 35 Issue: 3 Pages: 174-176 Published: MAR 1996

1,664. Modification of gas-puffing system in SINP tokamak

By: Ranjan, P; Hui, AK; Paul, RK; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 34 Issue: 3 Pages: 140-148 Published: MAR 1996

1,665. Geometric phase for isotopic spin coherent states

By: Kar, TK; Ghosh, G

JOURNAL OF MATHEMATICAL PHYSICS Volume: 37 Issue: 3 Pages: 1197-1203 Published: MAR 1996

1,666. Thermal evolution of alpha-induced defects and helium bubbles in tantalum studied by positron annihilation

By: Subrahmanyam, VS; Nambissan, PMG; Sen, P

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 57 Issue: 3 Pages: 319-323 Published: MAR 1996

1,667. Immobilization of yttrium over crystalline titania

By: Dutta, NC; Bhattacharyya, DK

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 204 Issue: 1 Pages: 167-172 Published: MAR 1996

1,668. An automated magnetometer using the Tchebycheff method of numerical integration  
By: Ray, A; Chakravarti, A; Ranganathan, R  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 67 Issue: 3 Pages: 789-795 Part: 1 Published: MAR 1996

1,669. Enhanced emission of Ge<sup>2+</sup> secondary ions under N<sup>2(+)</sup> bombardment  
By: Ray, N; Rajasekar, P; Dey, SD  
VACUUM Volume: 47 Issue: 3 Pages: 287-290 Published: MAR 1996

1,670. Electroweak precision data and a heavy Z'  
By: Kundu, A  
PHYSICS LETTERS B Volume: 370 Issue: 1-2 Pages: 135-140 Published: MAR 7 1996

1,671. Structural, transport and thermal properties of Hg<sub>0.7</sub>Cr<sub>0.3</sub>Sr<sub>2</sub>CuO<sub>4</sub>+ $\delta$   
By: Bandyopadhyay, B; Mandal, JB; Poddar, A; et al.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 8 Issue: 11 Pages: 1743-1751 Published: MAR 11 1996

1,672. Constraints on a general Higgs sector from K-o-(K)over-bar(o), B-d-(B)over-bar(d) mixing and the epsilon parameter  
By: Chakraverty, D; Kundu, A  
MODERN PHYSICS LETTERS A Volume: 11 Issue: 8 Pages: 675-686 Published: MAR 14 1996

1,673. Astrophysical S-factor of the Be-7(p,gamma)B-8 reaction from Coulomb dissociation of B-8  
By: Shyam, R; Thompson, IJ; DuttMazumder, AK  
PHYSICS LETTERS B Volume: 371 Issue: 1-2 Pages: 1-6 Published: MAR 21 1996

1,674. Wide-angle measurement of 48 MeV Li-6 projectile fragmentation on Au-197  
By: Kanungo, R; Sinha, T; Samanta, C; et al.  
NUCLEAR PHYSICS A Volume: 599 Issue: 3-4 Pages: 579-592 Published: MAR 25 1996

1,675. On the nature of the adaptive response induced by mitomycin C in Vibrio cholerae OGAWA 154 cells  
By: Basak, J  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 220 Issue: 3 Pages: 509-514 Published: MAR 27 1996

1,676. Semiconductor photosensitized grafting: Physicochemical studies on acrylamide grafted CA films  
By: Chatterjee, S; Sarkar, S; Bhattacharyya, SN; et al.  
JOURNAL OF APPLIED POLYMER SCIENCE Volume: 59 Issue: 13 Pages: 1973-1978 Published: MAR 28 1996

- 1,677. Sequential separation of carrier Mn-52, Mn-56, Co-55, Co-56, Co-58 and Ni-56, Ni-57 from alpha-particle activated iron with triisooctylamine  
By: Lahiri, S; Banerjee, S; Das, NR  
APPLIED RADIATION AND ISOTOPES Volume: 47 Issue: 4 Pages: 413-415 Published: APR 1996
- 1,678. Radiosensitization of thymine by copper(II) and nickel(II) complexes of metronidazole  
By: Roy, MB; Mandal, PC; Bhattacharyya, SN  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 69 Issue: 4 Pages: 471-480 Published: APR 1996
- 1,679. A Monte Carlo simulation study on the collapse transition of model polymers: Possible solvent effect and relevance to protein folding  
By: Sen, S  
JOURNAL OF CHEMICAL PHYSICS Volume: 104 Issue: 13 Pages: 5304-5310 Published: APR 1 1996
- 1,680. Photo-induced oxidation of aqueous solution of Na-2[Mo(V)(2)O(4)EDTA] in neutral KBr and K<sub>2</sub>S<sub>2</sub>O<sub>8</sub> medium  
By: Ray, K; Mukherjee, DC; Basu, S; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY-ARTICLES Volume: 204 Issue: 2 Pages: 349-361 Published: APR 1996
- 1,681. Neutron diffraction structural study of 1201 superconductor (Hg<sub>0.7</sub>Cr<sub>0.3</sub>)Sr<sub>2</sub>CuO<sub>4</sub>+ $\delta$   
By: Mandal, JB; Bandyopadhyay, B; Ghosh, B; et al.  
JOURNAL OF SUPERCONDUCTIVITY Volume: 9 Issue: 2 Pages: 253-257 Published: APR 1996
- 1,682. Positron annihilation studies of quasicrystals  
By: Chidambaram, R; Sanyal, MK; Nambissan, PMG; et al.  
METALS MATERIALS AND PROCESSES Volume: 8 Issue: 1 Pages: 45-60 Published: APR-JUN 1996
- 1,683. M1 distributions for Dy-163 and Gd-157 in the SU<sub>sdg</sub>BF(3) and SU<sub>sd</sub>BF(3)x1g limits of pn-sdg|BFM  
By: Devi, YD; Kota, VKB  
NUCLEAR PHYSICS A Volume: 600 Issue: 1 Pages: 20-36 Published: APR 1 1996
- 1,684. Anomalous dispersion X-ray reflectometry for model-independent determination of Al/C multilayer structures  
By: Ohkawa, T; Yamaguchi, Y; Sakata, O; et al.  
PHYSICA B Volume: 221 Issue: 1-4 Pages: 416-419 Published: APR 1996
- 1,685. L(3)-subshell alignment in gold and bismuth induced by low-velocity carbon ions  
By: Mitra, D; Sarkar, M; Bhattacharya, D; et al.  
PHYSICAL REVIEW A Volume: 53 Issue: 4 Pages: 2309-2313 Published: APR 1996
- 1,686. Taming the scalar mass problem with a singlet Higgs boson  
By: Kundu, A; Raychaudhuri, S

PHYSICAL REVIEW D Volume: 53 Issue: 7 Pages: 4042-4048 Published: APR 1 1996

1,687. AC susceptibility study of Ce(Fe<sub>0.9</sub>Al<sub>0.1</sub>)<sub>2</sub>

By: Mukherjee, S; Ranganathan, R; Roy, SB

SOLID STATE COMMUNICATIONS Volume: 98 Issue: 4 Pages: 321-326 Published: APR 1996

1,688. Interaction of myoinositoltrisphosphate-phytase complex with the receptor for intracellular Ca<sup>2+</sup> mobilization in plants

By: Dasgupta, S; Dasgupta, D; Sen, M; et al.

BIOCHEMISTRY Volume: 35 Issue: 15 Pages: 4994-5001 Published: APR 16 1996

1,689. Studies on p-nitroacetophenone triplet state

By: Krishna, CM; Basu, S; Roy, AK

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 95 Issue: 2 Pages: 111-113 Published: APR 21 1996

1,690. Luminescence behaviour of 7-hydroxyflavone in aerosol OT reverse micelles: Excited-state proton transfer and red-edge excitation effects

By: Sarkar, M; Ray, JG; Sengupta, PK

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 95 Issue: 2 Pages: 157-160 Published: APR 21 1996

1,691. Heat diffusivity of La<sub>1-x</sub>Ca<sub>x</sub>MnO<sub>3</sub> epitaxial layers

By: Liebe, J; Kraus, E; Haupt, L; et al.

APPLIED PHYSICS LETTERS Volume: 68 Issue: 17 Pages: 2343-2345 Published: APR 22 1996

1,692. Scaling of the thermoelectric power in the Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1-x</sub>Y<sub>x</sub>Cu<sub>2</sub>O<sub>8+y</sub> (0 ≤ x ≤ 0.7) and Ti<sub>2</sub>Ba<sub>2</sub>Ca<sub>1-x</sub>Y<sub>x</sub>Cu<sub>2</sub>O<sub>8+y</sub> (0 ≤ x ≤ 0.6) systems

By: Mandal, JB; Das, AN; Ghosh, B

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 8 Issue: 17 Pages: 3047-3056 Published: APR 22 1996

1,693. Structure of a Kunitz-type chymotrypsin inhibitor from winged bean seeds at 2.95 angstrom resolution

By: Dattagupta, JK; Podder, A; Chakrabarti, C; et al.

ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY Volume: 52 Pages: 521-528 Part: 3 Published: MAY 1 1996

1,694. Magnetic susceptibility of KMFeF<sub>6</sub> (M=Co<sup>2+</sup>, Mn<sup>2+</sup>) systems

By: Giri, S; Ghoshray, K; Ghoshray, A; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 157 Pages: 411-412 Published: MAY 1996

1,695. Microwave spectrum and barrier to internal rotation in 2,4-difluorotoluene

By: Maiti, S; Jaman, AI; Nandi, RN

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 177 Issue: 1 Pages: 29-33 Published: MAY 1996

1,696. A new conducting nanocomposite - PPy-zirconium(IV) oxide

By: Bhattacharya, A; Ganguly, KM; De, A; et al.

MATERIALS RESEARCH BULLETIN Volume: 31 Issue: 5 Pages: 527-530 Published: MAY 1996

1,697. Deuteron breakup at extreme forward angles: Failure of a pure Coulomb dissociation description

By: Samanta, C; Mukherjee, S; Kanungo, R; et al.

PHYSICAL REVIEW C Volume: 53 Issue: 5 Pages: 2287-2295 Published: MAY 1996

1,698. Soft photons from relativistic heavy ion collisions

By: Roy, PK; Pal, D; Sarkar, S; et al.

PHYSICAL REVIEW C Volume: 53 Issue: 5 Pages: 2364-2370 Published: MAY 1996

1,699. Effective theory approach to SUSY hadron spectroscopy

By: Chakraverty, D; De, T; DuttaRoy, B; et al.

PHYSICAL REVIEW D Volume: 53 Issue: 9 Pages: 5293-5297 Published: MAY 1 1996

1,700. Experimental investigation on the connection between nucleon transfer channels and near-barrier fusion in S-32+Ni-64 and Si-28+Zn-68 systems

By: Saha, S; Agarwal, YK

NUCLEAR PHYSICS A Volume: 601 Issue: 2 Pages: 251-268 Published: MAY 6 1996

1,701. Isotope-shift exponent in the polaronic model of superconductors

By: Banerjee, S; Das, AN; Ray, DK

PHYSICS LETTERS A Volume: 214 Issue: 1-2 Pages: 89-94 Published: MAY 6 1996

1,702. Quantum integrability of non-ultralocal models through baxterization of quantized braided algebra

By: Hlavaty, L; Kundu, A

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 11 Issue: 12 Pages: 2143-2165

Published: MAY 10 1996

1,703. Investigations on supported bimetallic PdPt nanostructures

By: Rousset, JL; Khanra, BC; Cadrot, AM; et al.

SURFACE SCIENCE Volume: 352 Pages: 583-587 Published: MAY 15 1996

1,704. General form of thermodynamical entropy for black hole

By: Ghosh, A; Mitra, P

MODERN PHYSICS LETTERS A Volume: 11 Issue: 15 Pages: 1231-1234 Published: MAY 20 1996

1,705. Studies on p-nitroacetophenone-sensitized lipid peroxidation

By: Krishna, CM; Roy, AK



JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 34 Issue: 1 Pages: 47-50  
Published: JUN 1996

1,706. Anomalous temperature dependence of electron momentum distribution in cuprate superconductors

By: De, UY; Nambissan, PMG; Sanyal, D; et al.

PHYSICA B-CONDENSED MATTER Volume: 223-24 Issue: 1-4 Pages: 544-547 Published: JUN 1996

1,707. The superconducting gap ratio, isotope-shift exponent and pressure coefficient of T-c for high-T-c systems

By: Das, AN; Sarkar, S

PHYSICA B-CONDENSED MATTER Volume: 223-24 Issue: 1-4 Pages: 548-550 Published: JUN 1996

1,708. X-ray structure, electrical resistivity, Hall effect and thermoelectric behavior of (Hg/Cr)(1)Sr<sub>2</sub>CuO<sub>y</sub>

By: Bandyopadhyay, B; Mandal, JB; Poddar, A; et al.

PHYSICA B-CONDENSED MATTER Volume: 223-24 Issue: 1-4 Pages: 580-583 Published: JUN 1996

1,709. A new mercury-based high-T-c cuprate Hg<sub>0.7</sub>V<sub>0.3</sub>Sr<sub>2-x</sub>LaxCuO<sub>4+delta</sub>

By: Mandal, JB; Bandyopadhyay, B; Fauth, F; et al.

PHYSICA C Volume: 264 Issue: 1-2 Pages: 145-153 Published: JUN 1 1996

1,710. Ordered arrangement of proton pairs in the PrNiInH<sub>1.29</sub> system

By: Sen, M; Ghoshray, A; Ghoshray, K; et al.

PHYSICAL REVIEW B Volume: 53 Issue: 21 Pages: 14345-14348 Published: JUN 1 1996

1,711. Symmetry breaking for rho meson in neutron matter

By: DuttMazumder, AK; Kundu, A; De, T; et al.

PHYSICS LETTERS B Volume: 378 Issue: 1-4 Pages: 35-39 Published: JUN 20 1996

1,712. Pion production in proton-proton collisions in a covariant one-boson-exchange model

By: Engel, A; Shyam, R; Mosel, U; et al.

NUCLEAR PHYSICS A Volume: 603 Issue: 3-4 Pages: 387-414 Published: JUN 24 1996

1,713. A photochemical study of uranyl ion interaction with the triton X-100 micellar system

By: Das, SK; Ganguly, BN

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 180 Issue: 2 Pages: 377-383 Published: JUN 25 1996

1,714. A scheme to identify collective transverse flow in relativistic heavy ion collisions at CERN SPS

By: Srivastava, DK; Sarkar, S; Roy, PK; et al.

PHYSICS LETTERS B Volume: 379 Issue: 1-4 Pages: 54-59 Published: JUN 27 1996

1,715. A simulation study of multi-atom tips and estimation of resolution in atomic force microscopy

By: Banerjee, S; Sanyal, MK; Datta, A

APPLIED SURFACE SCIENCE Volume: 99 Issue: 3 Pages: 255-260 Published: JUL 1996

1,716. Eigenmodes in a Toroidal Cavity of Elliptic Cross Section

By: Janaki, M. S.; Dasgupta, B.

IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 44 Issue: 7 Pages: 1147-1150 Article Number: PII S0018-9480(96)04719-9 Part: 1 Published: JUL 1996

1,717. Study of transition metal ion doped mullite by positron annihilation techniques

By: Sanyal, D; Banerjee, D; Bhattacharya, R; et al.

JOURNAL OF MATERIALS SCIENCE Volume: 31 Issue: 13 Pages: 3447-3451 Published: JUL 1 1996

1,718. Effects of a sharp boundary on thermal photons from quark-gluon plasma

By: Sarkar, S; Roy, PK; Srivastava, DK; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 22 Issue: 7 Pages: 951-958 Published: JUL 1996

1,719. Energy and momentum distribution of fragments in reactions induced by one neutron halo nucleus Be-11

By: Banerjee, P; Shyam, R

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 22 Issue: 7 Pages: L79-L86 Published: JUL 1996

1,720. F-19 NMR study of KMnFeF<sub>6</sub>: A frustrated magnetic system

By: Giri, S; Ghoshray, K; Ghoshray, A; et al.

PHYSICAL REVIEW B Volume: 54 Issue: 1 Pages: 411-415 Published: JUL 1 1996

1,721. Radiation-induced damage of cysteine residues in dihydroorotate dehydrogenase in dilute aqueous solution

By: Saha, A; Mandal, PC; Bhattacharyya, SN

RADIATION PHYSICS AND CHEMISTRY Volume: 48 Issue: 1 Pages: 61-63 Published: JUL 1996

1,722. The nonconfining Schwinger model

By: Mitra, P; Rahaman, A

ANNALS OF PHYSICS Volume: 249 Issue: 1 Pages: 34-43 Published: JUL 10 1996

1,723. Investigation of silver-glass nanocomposites by positron lifetime spectroscopy

By: Mukherjee, M; Nambissan, PMG; Chakravorty, D

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 8 Issue: 30 Pages: 5649-5657 Published: JUL 22 1996

1,724. Histidine residues in alpha-crystallin are not all available for chemical modification and acid-base titration

By: Bera, S; Ghosh, SK

JOURNAL OF PROTEIN CHEMISTRY Volume: 15 Issue: 6 Pages: 585-590 Published: AUG 1996

- 1,725. Electromagnetic probes of quark gluon plasma  
By: Alam, J; Raha, S; Sinha, B  
PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 273 Issue: 5-6 Pages: 243-362  
Published: AUG 1996
- 1,726.  $(\text{Hg}_{0.8}\text{Ti}_{0.2})\text{Sr}-2(\text{Ca}_{1-x}\text{Y}_x)\text{Cu}_2\text{O}_6+\delta$ : A new series of mercury-based 1212 superconductors  
By: Bandyopadhyay, B; Mandal, JB; Ghosh, B  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 9 Issue: 8 Pages: 706-712 Published: AUG 1996
- 1,727. Pressure coefficient of the superconducting transition temperature in the strong coupling limit  
By: Basu, S; Sarkar, S; Sil, S  
MODERN PHYSICS LETTERS B Volume: 10 Issue: 18 Pages: 839-843 Published: AUG 10 1996
- 1,728. 9-benzyl-7-[(E)-2-butenyl]-2,3-dihydro-6-hydroxy-1,3-dimethylpyrimido[2,1-f]-purine-4,8(1H,9H)-dione  
By: Das, AK; Dutta, M; Mazumdar, SK; et al.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 52 Pages: 2076-2078 Part: 8 Published: AUG 15 1996
- 1,729. Metal-nucleobase interactions: Synthesis and crystal structure of trichlorobis(N-6-benzyladeninium)copper(II) chloride dihydrate  
By: Balasubramanian, TP; Muthiah, PT; Ananthasaravanan; et al.  
JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 63 Issue: 3 Pages: 175-181 Published: AUG 15 1996
- 1,730. Novel BRST approach in generalizing the Jackiw-Nair anyon  
By: Ghosh, S; Mukhopadhyay, S  
PHYSICAL REVIEW D Volume: 54 Issue: 4 Pages: 2793-2796 Published: AUG 15 1996
- 1,731. Nonmanifest Lorentz invariance in vector coupled model  
By: Rahaman, A; Mitra, P  
MODERN PHYSICS LETTERS A Volume: 11 Issue: 26 Pages: 2153-2157 Published: AUG 30 1996
- 1,732. Response of a composite resonator under pulse excitation: A numerical study  
By: Pal, B  
JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS  
Volume: 35 Issue: 9A Pages: 4839-4843 Published: SEP 1996
- 1,733. Influence of hydrogen chemisorption on the surface composition of Pt-Rh/ $\text{Al}_2\text{O}_3$  catalysts  
By: Savargaonkar, N; Khanra, BC; Pruski, M; et al.  
JOURNAL OF CATALYSIS Volume: 162 Issue: 2 Pages: 277-283 Published: SEP 1 1996
- 1,734. Breakdown and preionization experiments in the SINP tokamak  
By: Chattopadhyay, PK; Pal, R; Ray, NR; et al.

NUCLEAR FUSION Volume: 36 Issue: 9 Pages: 1205-1209 Published: SEP 1996

1,735. Shapes of odd-odd Pr nuclei

By: Pramanik, UD; Bhattacharya, S

PHYSICAL REVIEW C Volume: 54 Issue: 3 Pages: 1221-1229 Published: SEP 1996

1,736. Electrochemical preparation and study of transport properties of polypyrrole doped with unsaturated organic sulfonates

By: Bhattacharya, A; De, A; Das, S

POLYMER Volume: 37 Issue: 19 Pages: 4375-4382 Published: SEP 1996

1,737. XRD, XPS and SIMS investigations on electrodeposited nickel-phosphorous alloy coatings

By: Haseeb, ASMA; Chakraborty, P; Ahmed, I; et al.

THIN SOLID FILMS Volume: 283 Issue: 1-2 Pages: 140-144 Published: SEP 1 1996

1,738. Coupling effects of resonant and discretized non-resonant continuum states in He-4+Li-6 scattering at 10 MeV/A

By: Sinha, T; Kanungo, R; Samanta, C; et al.

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 355 Issue: 4 Pages: 397-400

Published: SEP 1996

1,739. Phase transitions in the random field Ising model in the presence of a transverse field

By: Dutta, A; Chakrabarti, BK; Stinchcombe, RB

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 29 Issue: 17 Pages: 5285-5296

Published: SEP 7 1996

1,740. Renormalization group approach to effective Hamiltonians

By: Fields, TJ; Vary, JP; Gupta, KS

MODERN PHYSICS LETTERS A Volume: 11 Issue: 27 Pages: 2233-2240 Published: SEP 7 1996

1,741. Fluorescence of spectrin-bound prodan

By: Chakrabarti, A

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 226 Issue: 2 Pages: 495-

497 Published: SEP 13 1996

1,742. Off-specular X-ray scattering studies of the morphology of thin films

By: Sinha, SK; Feng, YP; Melendres, CA; et al.

PHYSICA A Volume: 231 Issue: 1-3 Pages: 99-110 Published: SEP 15 1996

1,743. Anomalies in the ion transport of phosphoric acid in water and heavy-water environments

By: Chakrabarti, H

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 8 Issue: 38 Pages: 7019-7029 Published: SEP

16 1996

1,744. High-spin structures in Sb-112

By: Singh, AK; Gangopadhyay, G; Banerjee, D; et al.

NUCLEAR PHYSICS A Volume: 607 Issue: 3 Pages: 350-362 Published: SEP 23 1996

1,745. A novel technique of harmonic rejection of the sequential type PLL phase detector and its application to single-loop frequency synthesis

By: Sen, SK; Sarkar, S; Gupta, PK

IEICE TRANSACTIONS ON ELECTRONICS Volume: E79C Issue: 10 Pages: 1467-1471 Published: OCT 1996

1,746. Static and dynamic response of cluster glass in  $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$

By: Mukherjee, S; Ranganathan, R; Anilkumar, PS; et al.

PHYSICAL REVIEW B Volume: 54 Issue: 13 Pages: 9267-9274 Published: OCT 1 1996

1,747. On the shapes of Pm-136, Pm-138

By: Pramanik, UD; Bhattacharya, S

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 356 Issue: 1 Pages: 31-34 Published: OCT 1996

1,748. On a general system-partitioning in the many-electron correlation problem

By: Mukhopadhyay, A

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 60 Issue: 1 Pages: 261-271  
Published: OCT 5 1996

1,749. The effect of flow on nuclear multifragmentation in a quantum statistical model

By: Pal, S; Samaddar, SK; De, JN

NUCLEAR PHYSICS A Volume: 608 Issue: 1 Pages: 49-62 Published: OCT 7 1996

1,750. Photon pairs from relativistic heavy ion collisions and the quark hadron phase transition

By: Srivastava, DK; Sinha, B; Awes, TC

PHYSICS LETTERS B Volume: 387 Issue: 1 Pages: 21-25 Published: OCT 10 1996

1,751. 3'-deoxy-2',3'-difluorothymidine, a nucleoside analogue

By: Das, AK; Mukhopadhyay, A; Das, N; et al.

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 52 Pages: 2615-2616 Part: 10 Published: OCT 15 1996

1,752. Structural alterations of horseradish peroxidase in the presence of low concentrations of guanidinium chloride

By: Chakrabarti, A; Basak, S

EUROPEAN JOURNAL OF BIOCHEMISTRY Volume: 241 Issue: 2 Pages: 462-467 Published: OCT 15 1996

1,753. Some thermal properties of amorphous  $(\text{Fe}_{100-x}\text{Mn}_x)_{75}\text{P}_{15}\text{C}_{10}$  ribbons

By: Kraus, E; Heinemann, K; Kanomata, T; et al.

PHYSICA STATUS SOLIDI A-APPLIED RESEARCH Volume: 157 Issue: 2 Pages: 449-454 Published: OCT 16 1996

1,754. Gamow-Teller strengths in f(p) shell

By: Sarkar, S; Kar, K

PHYSICS LETTERS B Volume: 387 Issue: 2 Pages: 227-232 Published: OCT 17 1996

1,755. Complex variation of electron momentum distribution in (Bi,Pb)-2223 oxides across the superconducting transition

By: De, U; Nambissan, PMG; Sanyal, D; et al.

PHYSICS LETTERS A Volume: 222 Issue: 1-2 Pages: 119-123 Published: OCT 21 1996

1,756. Disentanglement formulas: An alternative derivation and some applications to squeezed coherent states

By: DasGupta, A

AMERICAN JOURNAL OF PHYSICS Volume: 64 Issue: 11 Pages: 1422-1427 Published: NOV 1996

1,757. Determination of small fluctuations in electron density profiles of thin films: Layer formation in a polystyrene film

By: Sanyal, MK; Basu, JK; Datta, A; et al.

EUROPHYSICS LETTERS Volume: 36 Issue: 4 Pages: 265-270 Published: NOV 1 1996

1,758. Angular distribution of sputtered Ge atoms by low keV Ar<sup>+</sup> and Ne<sup>+</sup> ion bombardment

By: Chini, TK; Tanemura, M; Okuyama, F

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 119 Issue: 3 Pages: 387-391 Published: NOV 1996

1,759. Atypical extended electronic states in an infinite Vicsek fractal: An exact result

By: Chakrabarti, A; Bhattacharyya, B

PHYSICAL REVIEW B Volume: 54 Issue: 18 Pages: 12625-12628 Published: NOV 1 1996

1,760. 1/f noise in nonlinear inhomogeneous systems

By: Nandi, UN; Mukherjee, CD; Bardhan, KK

PHYSICAL REVIEW B Volume: 54 Issue: 18 Pages: 12903-12914 Published: NOV 1 1996

1,761. Large Mach number ion acoustic rarefactive solitary waves for a two electron temperature warm ion plasma

By: Ghosh, SS; Ghosh, KK; Iyengar, ANS

PHYSICS OF PLASMAS Volume: 3 Issue: 11 Pages: 3939-3946 Published: NOV 1996

1,762. Reactions of OH and e(aq)(-) adducts of cytosine and its nucleosides or nucleotides with Cu(II) ions in dilute aqueous solutions: A steady-state and pulse radiolysis study

By: Chabita, K; Saha, A; Mandal, PC; et al.

RADIATION RESEARCH Volume: 146 Issue: 5 Pages: 514-524 Published: NOV 1996

- 1,763. Characterization of the adaptive response to ionizing radiation induced by low doses of X-rays to *Vibrio cholerae* cells  
By: Basak, J  
MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume: 372 Issue: 1 Pages: 115-118 Published: NOV 11 1996
- 1,764. Oxidative stress-induced cadmium resistance in Chinese hamster V79 cells  
By: Sengupta, S; Bhattacharyya, NP  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 228 Issue: 2 Pages: 267-271 Published: NOV 12 1996
- 1,765. Secondary-ion mass spectrometry and x-ray photo-electron spectroscopy analyses of alpha-irradiated Bi-2212 superconductors  
By: Bhattacharyya, A; Rajasekar, P; Chakraborty, P; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 29 Issue: 11 Pages: 2745-2749 Published: NOV 14 1996
- 1,766. Effect of electron-phonon interaction on a one-dimensional correlated electron system  
By: Sil, S; Bhattacharyya, B  
PHYSICAL REVIEW B Volume: 54 Issue: 20 Pages: 14349-14354 Published: NOV 15 1996
- 1,767. Classification and completeness of Bethe states and excitation spectrum for the spin 4 Fateev-Zamolodchikov model  
By: Ray, S  
PHYSICS LETTERS A Volume: 222 Issue: 6 Pages: 440-450 Published: NOV 18 1996
- 1,768. A general Higgs sector: Constraints and phenomenology  
By: Kundu, A; Mukhopadhyaya, B  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 11 Issue: 29 Pages: 5221-5243  
Published: NOV 20 1996
- 1,769. Relativistic effects on Landauer resistance of Fibonacci lattice  
By: Khan, A; Mahapatra, PK  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 34 Issue: 12 Pages: 972-976 Published: DEC 1996
- 1,770. Deuteron resonance studies in CeNiInDx system  
By: Ray, R; Bandyopadhyay, B; Ghoshray, A; et al.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 57 Issue: 12 Pages: 1881-1885  
Published: DEC 1996
- 1,771. Preparation and characterization of a new conducting polypyrrole composite based on styrene grafted teflon-fep film  
By: Bhattacharya, A; De, A  
JOURNAL OF POLYMER MATERIALS Volume: 13 Issue: 4 Pages: 297-303 Published: DEC 1996

- 1,772. Specific heat and Knight shift of cuprates within the van Hove scenario  
By: Sarkar, S; Das, AN  
PHYSICAL REVIEW B Volume: 54 Issue: 21 Pages: 14974-14977 Published: DEC 1 1996
- 1,773. 0(+) analogue state in Sb-118 from Sn-117(p,n gamma) reaction  
By: Pal, J; Dey, CC; Bose, S; et al.  
ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 356 Issue: 3 Pages: 281-286  
Published: DEC 1996
- 1,774. Extreme state of a charged black hole in a grand canonical ensemble - Comment  
By: Ghosh, A; Mitra, P  
PHYSICAL REVIEW LETTERS Volume: 77 Issue: 23 Pages: 4848-4848 Published: DEC 2 1996
- 1,775. Fluorescence polarization anisotropy as a novel tool for the determination of critical micellar concentrations  
By: Chaudhuri, R; Guharay, J; Sengupta, PK  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 101 Issue: 2-3 Pages: 241-244 Published: DEC 6 1996
- 1,776. Entropy of extremal dyonic black holes  
By: Ghosh, A; Mitra, P  
MODERN PHYSICS LETTERS A Volume: 11 Issue: 37 Pages: 2933-2939 Published: DEC 7 1996
- 1,777. Isotopic mass and pressure dependent changes for extended s-wave superconductors  
By: Banerjee, S; Das, AN  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 8 Issue: 50 Pages: 11131-11139 Published: DEC 9 1996
- 1,778. Excess production of low-mass lepton pairs in S+Au collisions at the CERN super proton synchrotron and the quark-hadron phase transition  
By: Srivastava, DK; Sinha, B; Gale, C; et al.  
NUCLEAR PHYSICS A Volume: 610 Pages: C350-C357 Published: DEC 9 1996
- 1,779. Patterns of large multilamellar vesicular clusters  
By: Lahiri, T; Dasgupta, AK; Chakrabarti, A  
CURRENT SCIENCE Volume: 71 Issue: 11 Pages: 915-918 Published: DEC 10 1996
- 1,780. Critical phenomena in an one-dimensional probabilistic cellular automaton  
By: Bhattacharyya, P  
PHYSICA A Volume: 234 Issue: 1-2 Pages: 427-434 Published: DEC 15 1996
- 1,781. X-ray-reflectivity study of Ge-Si-Ge films  
By: Banerjee, S; Sanyal, MK; Datta, A; et al.  
PHYSICAL REVIEW B Volume: 54 Issue: 23 Pages: 16377-16380 Published: DEC 15 1996



1,782. Anomalous peaklike structure in the fission fragment anisotropies at sub-barrier energies in B-11, C-12, O-16, F-19+Th-232 reactions

By: Majumdar, N; Bhattacharya, P; Biswas, DC; et al.

PHYSICAL REVIEW LETTERS Volume: 77 Issue: 25 Pages: 5027-5030 Published: DEC 16 1996

1,783. S-duality and the entropy of black holes in heterotic string theory

By: Ghosh, A; Maharana, J

MODERN PHYSICS LETTERS A Volume: 11 Issue: 39-40 Pages: 3103-3111 Published: DEC 28 1996

1,784. Vector mesons in asymmetric nuclear matter

By: DuttMazumder, AK

NUCLEAR PHYSICS A Volume: 611 Issue: 4 Pages: 442-460 Published: DEC 30 1996

1,785. Simultaneous production of carrier- Zn-65 and Ga-66,Ga-67,Ga-68 in alpha-particle activated copper target and their separation with TOA

By: Lahiri, S; Banerjee, S; Das, NR

APPLIED RADIATION AND ISOTOPES Volume: 48 Issue: 1 Pages: 15-18 Published: JAN 1997

1,786. Variation of gamma-ray and particle fluxes at the sea level during the Total Solar Eclipse of 24 October, 1995

By: Bhattacharyya, A; Biswas, S; Chatterjee, BK; et al.

ASTROPHYSICS AND SPACE SCIENCE Volume: 250 Issue: 2 Pages: 313-326 Published: 1997

1,787. beta-carotene inhibits rat liver chromosomal aberrations and DNA chain break after a single injection of diethylnitrosamine

By: Sarkar, A; Basak, R; Bishayee, A; et al.

BRITISH JOURNAL OF CANCER Volume: 76 Issue: 7 Pages: 855-861 Published: 1997

1,788. Synaptic vesicle dynamics: A simple model of phasic release

By: Chaudhuri, S; Bhaumik, K

JOURNAL OF BIOLOGICAL PHYSICS Volume: 23 Issue: 2 Pages: 89-99 Published: 1997

1,789. Steady-state Doppler-broadened IR-RF lineshape theory and enhancement of refractive index in a three-level system

By: Ghoshal, S; Datta, A

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 181 Issue: 1 Pages: 33-40 Published: JAN 1997

1,790. The influence of hydrostatic pressure on the temperature dependence of the resistivity in Nd<sub>2</sub>/3Sr<sub>1</sub>/3MnO<sub>3</sub>-delta

By: Medvedeva, IV; Bersenev, YS; Barner, K; et al.

PHYSICA B-CONDENSED MATTER Volume: 229 Issue: 2 Pages: 194-198 Published: JAN 1997

1,791. Studies of nickel(II) complexes of 3-hydroxyiminobutanone thiosemicarbazone and 3-hydroxyiminobutanone (4-phenyl thiosemicarbazone). Crystal structure of bis(3-

hydroxyiminobutanone) (4-phenyl thiosemicarbazone) nickel(II) nitrate, monohydrate,  
[Ni(C<sub>11</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>)(2)](NO<sub>3</sub>)(2)center dot H<sub>2</sub>O

By: Chattopadhyay, SK; Chattopadhyay, D; Banerjee, T; et al.

POLYHEDRON Volume: 16 Issue: 11 Pages: 1925-1930 Published: 1997

1,792. Proton induced defects in Bi-based cuprate superconductors

By: Sen, P; Nambissan, PMG; Bandyopadhyay, SK; et al.

POSITRON ANNIHILATION: ICPA-11 - PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON  
POSITRON ANNIHILATION, KANSAS CITY, MISSOURI, USA, MAY 1997 Book Series: MATERIALS SCIENCE  
FORUM Volume: 255-2 Pages: 491-493 Published: 1997

1,793. Positron annihilation studies in CeNiInH<sub>1.60</sub>

By: Ray, R; Giri, S; Nambissan, PMG; et al.

POSITRON ANNIHILATION: ICPA-11 - PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON  
POSITRON ANNIHILATION, KANSAS CITY, MISSOURI, USA, MAY 1997 Book Series: MATERIALS SCIENCE  
FORUM Volume: 255-2 Pages: 611-613 Published: 1997

1,794. Multifractal analysis of mobility edge in a one-dimensional quasiperiodic system

By: Ananthakrishna, G; Zewdie, H; Thakur, PK; et al.

PROGRESS IN CRYSTAL GROWTH AND CHARACTERIZATION OF MATERIALS Volume: 34 Issue: 1-4  
Pages: 133-146 Published: 1997

1,795. Structural models of quasicrystals: Significance of positron annihilation studies

By: Chidambaram, R; Sanyal, MK; Nambissan, PMG; et al.

PROGRESS IN CRYSTAL GROWTH AND CHARACTERIZATION OF MATERIALS Volume: 34 Issue: 1-4  
Pages: 207-220 Published: 1997

1,796. Fixation of strontium on zirconia with high leach-resistivity

By: Dutta, NC

RADIOCHIMICA ACTA Volume: 79 Issue: 1 Pages: 25-27 Published: 1997

1,797. Low temperature magnetic phase of KMnFeF<sub>6</sub>: A neutron depolarisation and diffraction study

By: Yusuf, SM; Rao, LM; Mukhopadhyay, R; et al.

SOLID STATE COMMUNICATIONS Volume: 101 Issue: 3 Pages: 145-148 Published: JAN 1997

1,798. Baryogenesis and damping in nonminimal electroweak models

By: Kundu, A; Mallik, S

ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS Volume: 73 Issue: 2 Pages: 339-346 Published:  
JAN 1997

1,799. The matrix element of the transverse component of the bilocal vector current and its parton  
interpretation

By: Harindranath, A; Zhang, WM

PHYSICS LETTERS B Volume: 390 Issue: 1-4 Pages: 359-362 Published: JAN 2 1997

- 1,800. Positron annihilation studies in CeNiIn and LaNiIn  
By: Ray, R; Giri, S; Sen, M; et al.  
PHYSICS LETTERS A Volume: 224 Issue: 4-5 Pages: 309-313 Published: JAN 13 1997
- 1,801. Conformational changes in plant Ins(1,4,5)P-3 receptor on interaction with different myo-  
inositol trisphosphates and its effect on Ca<sup>2+</sup> release from microsomal fraction and liposomes  
By: Dasgupta, S; Dasgupta, D; Chatterjee, A; et al.  
BIOCHEMICAL JOURNAL Volume: 321 Pages: 355-360 Part: 2 Published: JAN 15 1997
- 1,802. Isospin lattice gas model and liquid-gas phase transition in asymmetric nuclear matter  
By: Ray, S; Shamanna, J; Kuo, TTS  
PHYSICS LETTERS B Volume: 392 Issue: 1-2 Pages: 7-12 Published: JAN 23 1997
- 1,803. Non-relativistic model for the semileptonic Lambda(b)->Lambda(c) decay  
By: Chakraverty, D; De, T; DuttaRoy, B; et al.  
MODERN PHYSICS LETTERS A Volume: 12 Issue: 3 Pages: 195-204 Published: JAN 30 1997
- 1,804. Shape of the Xe-123 nucleus  
By: Sarkar, MS; Goswami, A; Bhattacharya, S; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 23 Issue: 2 Pages: 169-181  
Published: FEB 1997
- 1,805. Lifetime measurements of some excited states of Kr II  
By: Das, MB  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 57 Issue: 2 Pages:  
237-240 Published: FEB 1997
- 1,806. Lattice fermions and chiral symmetry  
By: Banerjee, H; De, AK  
NUCLEAR PHYSICS B Supplement: 53 Pages: 641-643 Published: FEB 1997
- 1,807. Electron momentum re-distribution due to superconducting transition in Bi-2212 and (Bi, Pb)-  
2223 oxides  
By: De, U; Nambissan, PMG; Chaudhuri, S; et al.  
PHYSICA B Volume: 230 Pages: 856-858 Published: FEB 1997
- 1,808. Exotic spectra, wavefunctions and transport in incommensurate lattices  
By: Lahiri, A; Roy, TK; Bhowal, A  
PRAMANA-JOURNAL OF PHYSICS Volume: 48 Issue: 2 Pages: 555-588 Published: FEB 1997
- 1,809. Vacuum photodiode detectors for broadband vacuum ultraviolet detection in the Saha Institute  
of Nuclear Physics Tokamak  
By: Rao, CVS; Joisa, YS; Hansalia, CJ; et al.  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 68 Issue: 2 Pages: 1142-1148 Published: FEB 1997

- 1,810. Accelerator, reactor and atmospheric neutrino data: A three-flavor oscillation analysis  
 By: Goswami, S; Raychaudhuri, A; Kar, K  
 INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 4 Pages: 781-799 Published:  
 FEB 10 1997
- 1,811. A study of superconducting  $(Y_{1-x}Ca_x)Ba_2Cu_3O_y$   
 By: Bandyopadhyay, SK; Sen, PT; Barat, P; et al.  
 PHYSICS LETTERS A Volume: 226 Issue: 3-4 Pages: 237-243 Published: FEB 17 1997
- 1,812. Sustenance of a gas-filled Delta E-counter at subatmospheric pressures for more than 150 days  
 By: Basu, P; Ganguli, S; Bhattacharya, M; et al.  
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
 SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 386 Issue: 2-3 Pages: 443-  
 449 Published: FEB 21 1997
- 1,813. Fusion cross sections for  $Li-7+B-11$  and  $Be-9+Be-9$  reactions at low energies  
 By: Mukherjee, A; Dasmahapatra, B  
 NUCLEAR PHYSICS A Volume: 614 Issue: 2 Pages: 238-260 Published: FEB 24 1997
- 1,814. Differential interactions of the  $Mg^{2+}$  complexes of chromomycin A(3) and mithramycin with  
 poly(dG-dC)center dot poly(dC-dG) and poly(dG)center dot poly(dC)  
 By: Majee, S; Sen, R; Guha, S; et al.  
 BIOCHEMISTRY Volume: 36 Issue: 8 Pages: 2291-2299 Published: FEB 25 1997
- 1,815. Exact phase and its eikonal approximation for class of reflectionless index profiles  
 By: Sharma, SK; Ghosh, G  
 ACTA PHYSICA POLONICA A Volume: 91 Issue: 3 Pages: 555-561 Published: MAR 1997
- 1,816. Thermal properties of some  $RE(1-x)EA(x)MnO(3)$  compounds  
 By: Liebe, J; Kraus, E; Haupt, L; et al.  
 JOURNAL DE PHYSIQUE IV Volume: 7 Issue: C1 Pages: 635-636 Published: MAR 1997
- 1,817. Bethe ansatz study for ground state of Fateev Zamolodchikov model  
 By: Ray, S  
 JOURNAL OF MATHEMATICAL PHYSICS Volume: 38 Issue: 3 Pages: 1524-1558 Published: MAR  
 1997
- 1,818. Quantum Lifshitz point: epsilon expansion and the spherical limit  
 By: Dutta, A; Chakrabarti, BK; Bhattacharjee, JK  
 PHYSICAL REVIEW B Volume: 55 Issue: 9 Pages: 5619-5622 Published: MAR 1 1997
- 1,819. Evidence of "penetration effects" for the 94 keV K-allowed unhindered transition in Tm-169  
 By: Dey, CC; Sinha, BK; Basu, SK  
 PHYSICAL REVIEW C Volume: 55 Issue: 3 Pages: 1197-1199 Published: MAR 1997

- 1,820. Spectral distribution studies of fp shell nuclei with a modified Kuo-Brown interaction  
By: Kar, K; Sarkar, S; Gomez, JMG; et al.  
PHYSICAL REVIEW C Volume: 55 Issue: 3 Pages: 1260-1265 Published: MAR 1997
- 1,821. Soft electromagnetic radiations from relativistic heavy ion collisions  
By: Pal, D; Roy, K; Sarkar, S; et al.  
PHYSICAL REVIEW C Volume: 55 Issue: 3 Pages: 1467-1476 Published: MAR 1997
- 1,822. Dynamic response of an Ising system to a pulsed field  
By: Acharyya, M; Bhattacharjee, JK; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 55 Issue: 3 Pages: 2392-2396 Part: A Published: MAR 1997
- 1,823. Electromagnetic probes of quark gluon plasma (vol 273, pg 243, 1996)  
By: Alam, J; Raha, S; Sinha, B  
PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 281 Issue: 5-6 Pages: 401-401  
Published: MAR 1997
- 1,824. Excited state proton transfer fluorescence of 3-hydroxyflavone in model membranes  
By: Guharay, J; Chaudhuri, R; Chakrabarti, A; et al.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 53  
Issue: 3 Pages: 457-462 Published: MAR 1997
- 1,825. Understanding the area proposal for extremal black hole entropy  
By: Ghosh, A; Mitra, P  
PHYSICAL REVIEW LETTERS Volume: 78 Issue: 10 Pages: 1858-1860 Published: MAR 10 1997
- 1,826. Light emission from an ion bombarded copper single crystal  
By: Ghose, D; Bhattacharyya, SR  
PHYSICS LETTERS A Volume: 227 Issue: 1-2 Pages: 133-137 Published: MAR 10 1997
- 1,827. Superconductivity in the strong coupling limit: Van Hove singularity and extended saddle point singularity scenario  
By: Sarkar, S  
MODERN PHYSICS LETTERS B Volume: 11 Issue: 7 Pages: 303-309 Published: MAR 20 1997
- 1,828. Dilepton yield in heavy-ion collisions with Bose enhancement of decay widths  
By: DuttMazumder, AK; Alam, J; DuttaRoy, B; et al.  
PHYSICS LETTERS B Volume: 396 Issue: 1-4 Pages: 264-268 Published: MAR 20 1997
- 1,829. Submillimetre-wave spectra of AsH and AsD radicals in the X (3)Sigma(-) electronic state  
By: Fujiwara, H; Kobayashi, K; Ozeki, H; et al.  
JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS Volume: 93 Issue: 6 Pages: 1045-1051 Published: MAR 21 1997

1,830. Neutron activation analysis of noble and platinum group metals in the Proterozoic Dalma rocks of Eastern India

By: Lahiri, S; Dey, S; Baidya, TK; et al.

APPLIED RADIATION AND ISOTOPES Volume: 48 Issue: 4 Pages: 549-553 Published: APR 1997

1,831. Electron transfer oxidation kinetics of Na-2[Mo(2)O(4)EDTA] by S<sub>2</sub>O<sub>8</sub><sup>2-</sup> ion in dilute acid medium

By: Ray, K; Mandal, PC; Mukherjee, DC

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS Volume: 29 Issue: 4 Pages: 269-274 Published: APR 1997

1,832. Transmission electron microscope studies of tantalum irradiated by MeV energy alpha particles

By: Bhattacharyya, SR; Chini, TK; Basu, D

JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 16 Issue: 7 Pages: 577-579 Published: APR 1997

1,833. Dissipative effects in photon diagnostics of quark-gluon plasma

By: Sarkar, S; Roy, P; Alam, J; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 23 Issue: 4 Pages: 469-477 Published: APR 1997

1,834. Separation of carrier Zn-65 and Ga-66, Ga-67, Ga-68, the alpha-particle activation products of copper with HDEHP

By: Lahiri, S; Banerjee, S; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 218 Issue: 2 Pages: 215-218 Published: APR 1997

1,835. Simultaneous production of Zr-89 and Nb-90, Nb-91, m92m in alpha-particle activated yttrium and their subsequent separation by TOA

By: Lahiri, S; Mukhopadhyay, B; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 218 Issue: 2 Pages: 229-231 Published: APR 1997

1,836. Caloric curve for finite nuclei in Thomas-Fermi theory

By: De, JN; DasGupta, S; Shlomo, S; et al.

PHYSICAL REVIEW C Volume: 55 Issue: 4 Pages: R1641-R1644 Published: APR 1997

1,837. Experimental lifetimes of some levels of Ne II

By: Das, MB

ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS Volume: 39 Issue: 4 Pages: 257-259 Published: APR 1997

1,838. Spin polarised nuclear matter and its application to neutron stars

By: Maheswari, VSU; Basu, DN; De, JN; et al.

NUCLEAR PHYSICS A Volume: 615 Issue: 4 Pages: 516-536 Published: APR 7 1997

1,839. Angular distribution of In and P particles sputtered from InP by inert-gas ion bombardment

By: Tanemura, M; Aoyama, T; Otani, A; et al.

SURFACE SCIENCE Volume: 376 Issue: 1-3 Pages: 163-168 Published: APR 10 1997

1,840. FeCl<sub>3</sub>-doped polypyrroles probed by positron annihilation technique

By: Subrahmanyam, VS

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 213 Pages: 99-NUCL Part: 2

Published: APR 13 1997

1,841. Dense nuclear matter in a strong magnetic field

By: Chakrabarty, S; Bandyopadhyay, D; Pal, S

PHYSICAL REVIEW LETTERS Volume: 78 Issue: 15 Pages: 2898-2901 Published: APR 14 1997

1,842. Magnetic properties of disordered binary Heisenberg alloy

By: Sil, S; Basu, S

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 169 Issue: 3 Pages: 343-349

Published: MAY 1997

1,843. X-ray reflectivity study of semiconductor interfaces

By: Sanyal, MK; Datta, A; Banerjee, S; et al.

JOURNAL OF SYNCHROTRON RADIATION Volume: 4 Pages: 185-190 Part: 3 Published: MAY 1 1997

1,844. K X-ray production cross section of Ge and Ag by 3.7-11.1 MeV carbon ions

By: Mitra, D; Sarkar, M; Bhattacharya, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 124 Issue: 4 Pages: 453-456 Published: MAY 1997

1,845. Matter induced rho-omega mixing

By: DuttMazumder, AK; DuttaRoy, B; Kundu, A

PHYSICS LETTERS B Volume: 399 Issue: 3-4 Pages: 196-200 Published: MAY 1 1997

1,846. Identification of membrane spanning beta strands in bacterial porins

By: Gromiha, MM; Majumdar, R; Ponnuswamy, PK

PROTEIN ENGINEERING Volume: 10 Issue: 5 Pages: 497-500 Published: MAY 1997

1,847. D-wave superconductivity in narrow-band systems: The effect of second-nearest-neighbour hopping, the isotope effect, and the pressure effect

By: Sil, S; Das, AN

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 9 Issue: 19 Pages: 3889-3900 Published: MAY 12 1997

1,848. Halo structure of Li-11 in proton scattering: A folding model description with isospin, density and momentum dependent effective interaction

By: Kanungo, R; Samanta, C

NUCLEAR PHYSICS A Volume: 617 Issue: 3 Pages: 265-281 Published: MAY 12 1997

1,849. A condition for setting up ultra-low  $q(a)$  discharges in the SINP tokamak

By: Lahiri, S; Mukhopadhyay, S; Iyengar, ANS; et al.

IEEE TRANSACTIONS ON PLASMA SCIENCE Volume: 25 Issue: 3 Pages: 509-512 Published: JUN 1997

1,850.  $B \rightarrow D(D^*)$  form factors in a Bethe-Salpeter model

By: ElHady, AA; Datta, A; Gupta, KS; et al.

PHYSICAL REVIEW D Volume: 55 Issue: 11 Pages: 6780-6787 Published: JUN 1 1997

1,851. Forbidden regions in ion temperatures for ion acoustic compressive solitary waves for a plasma with two electron temperatures

By: Ghosh, SS; Iyengar, ANS

PHYSICS OF PLASMAS Volume: 4 Issue: 6 Pages: 2139-2145 Published: JUN 1997

1,852. Excited-state proton-transfer and dual fluorescence of robinetin in different environments

By: Guharay, J; Sengupta, PK

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 53 Issue: 6 Pages: 905-912 Published: JUN 1997

1,853. Strong coupled and doubly decoupled bands in the  $SUBF(3) \times U-F(2j+1)$  limit of interacting boson-fermion-fermion model

By: Kota, VKB; Pramanik, UD

ZEITSCHRIFT FUR PHYSIK A-HADRONS AND NUCLEI Volume: 358 Issue: 1 Pages: 25-31 Published: JUN 1997

1,854. Large mass diphotons from relativistic heavy ion collisions

By: Sarkar, S; Srivastava, DK; Sinha, B; et al.

PHYSICS LETTERS B Volume: 402 Issue: 1-2 Pages: 13-17 Published: JUN 5 1997

1,855. Surface characterisation from adsorbate Knight shifts

By: Khanra, BC

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 11 Issue: 14 Pages: 1635-1668 Published: JUN 10 1997

1,856. Phase distribution in a disordered chain and the emergence of a two-parameter scaling in the quasiballistic to the mildly localized regime

By: Sen, AK

MODERN PHYSICS LETTERS B Volume: 11 Issue: 13 Pages: 555-564 Published: JUN 10 1997

1,857. Isotope-shift exponent and the gap ratio within the extended saddle point singularity scenario for different pairing symmetries

By: Sarkar, S



PHYSICA C Volume: 280 Issue: 1-2 Pages: 29-36 Published: JUN 15 1997

1,858. Collective excitations in the Penson-Kolb model: A generalized random-phase-approximation study

By: Roy, GK; Bhattacharyya, B

PHYSICAL REVIEW B Volume: 55 Issue: 23 Pages: 15506-15514 Published: JUN 15 1997

1,859. Applicability of heavy quark effective theory to the radiative decay  $B \rightarrow K^* \gamma$

By: Chakraverty, D; De, T; DuttaRoy, B; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 15 Pages: 2763-2777

Published: JUN 20 1997

1,860. High spin states in the odd-odd Eu-150 nucleus

By: Chatterjee, JM; Basu, S; Pramanik, UD; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 16 Pages: 2791-2808

Published: JUN 30 1997

1,861. Simultaneous production of Zr-89 and Nb-90, Nb-91m, Nb-92m in alpha-particle activated yttrium and their subsequent separation by HDEHP

By: Lahiri, S; Mukhopadhyay, B; Das, NR

APPLIED RADIATION AND ISOTOPES Volume: 48 Issue: 7 Pages: 883-886 Published: JUL 1997

1,862. Electrical resistivity and point contact studies on Al-Pd-Mn icosahedral quasicrystals

By: Gayathri, N; Goswami, R; Banerjee, S

BULLETIN OF MATERIALS SCIENCE Volume: 20 Issue: 4 Pages: 531-534 Published: JUL 1997

1,863. Photo-induced inactivation of dihydroorotate dehydrogenase in dilute aqueous solution

By: Saha, A

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 72 Issue: 1 Pages: 55-61 Published:

JUL 1997

1,864. Giant dipole resonance in spectral averaging theory

By: Majumdar, D; Kar, K; Ansari, A

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 23 Issue: 7 Pages: L41-L47

Published: JUL 1997

1,865. LLX separation of carrier- , Ru-94, Ru-95, Ru-97, Ru-103, Tc-93, Tc-94, Tc-95, Tc-96, Tc-99m and Nb-95, Nb-96 produced in alpha-particle activated molybdenum by TOA

By: Lahiri, S; Mukhopadhyay, B; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 221 Issue: 1-2 Pages: 167-171

Published: JUL 1997

1,866. Nonlinear conduction in composites above percolation threshold - beyond the backbone

By: Bardhan, KK

PHYSICA A Volume: 241 Issue: 1-2 Pages: 267-277 Published: JUL 1 1997

- 1,867. Enhancement technique in the measurement of alternating current susceptibility  
By: Mukherjee, S; Chakravarti, A; Ranganathan, R  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 68 Issue: 7 Pages: 2834-2837 Published: JUL 1997
- 1,868. Density perturbation in extended inflation  
By: Mallik, S; Chaudhuri, DR  
PHYSICAL REVIEW D Volume: 56 Issue: 2 Pages: 625-630 Published: JUL 15 1997
- 1,869. Isolation and characterization of a mutant of *Azospirillum brasilense* that show pleiotropic effects in several metabolic processes that are induced under low oxygen tensions.  
By: Maulik, P  
FASEB JOURNAL Volume: 11 Issue: 9 Supplement: S Pages: A933-A933 Meeting Abstract: 447  
Published: JUL 31 1997
- 1,870. Self-consistent measurements of angular correlation of the 321-177 and 204-177 keV cascades in Te-125  
By: Dey, CC; Sinha, BK; Bhattacharya, R  
CANADIAN JOURNAL OF PHYSICS Volume: 75 Issue: 8 Pages: 591-597 Published: AUG 1997
- 1,871. Influence of hydrogen chemisorption on the surface composition of Pt-Rh/Al<sub>2</sub>O<sub>3</sub> catalysts - Reply  
By: Savargaonkar, N; Khanra, BC; Pruski, M; et al.  
JOURNAL OF CATALYSIS Volume: 170 Issue: 1 Pages: 213-213 Published: AUG 1997
- 1,872. Reverse micelle formation of Triton X-100 in butanol and n-heptane mixed solvents studied by the positron annihilation technique  
By: Das, SK; Ganguly, BN  
JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 192 Issue: 1 Pages: 184-188 Published: AUG 1 1997
- 1,873. Effect of temperature on the synthesis of FeCl<sub>3</sub>-doped polypyrroles studied by positron annihilation technique  
By: Subrahmanyam, VS; Das, SK; Ganguly, BN; et al.  
MATERIALS RESEARCH BULLETIN Volume: 32 Issue: 8 Pages: 1063-1072 Published: AUG 1997
- 1,874. Critical phenomena in a one-dimensional probabilistic cellular automaton (vol 234, pg 427, 1996)  
By: Bhattacharyya, P  
PHYSICA A Volume: 242 Issue: 1-2 Pages: 316-316 Published: AUG 1 1997
- 1,875. Raman study of the Hg<sub>0.7</sub>Cr<sub>0.3</sub>Sr<sub>2</sub>CuO<sub>4</sub>+ $\delta$  superconductors  
By: Lee, SY; Chang, BY; Yang, IS; et al.  
PHYSICA C Volume: 282 Pages: 1039-1040 Part: 2 Published: AUG 1997

- 1,876. Raman and FT-ir studies on  $(\text{Hg,V})(\text{La,Sr})_2\text{CuO}_{4+\delta}$ ,  $(\text{Hg,Cr})\text{Sr}_2\text{CuO}_{4+\delta}$  and  $(\text{Hg,V})\text{Ba}_2\text{CuO}_{4+\delta}$  superconductors  
By: Bandyopadhyay, B; Mandal, JB; Pal, AJ; et al.  
PHYSICA C Volume: 282 Pages: 1049-1050 Part: 2 Published: AUG 1997
- 1,877. Two dimensional superconducting behavior of  $\text{Hg}_{0.7}\text{Cr}_{0.3}\text{Sr}_2\text{CuO}_{4+\delta}$   
By: Choi, JH; Kim, MS; Lee, SI; et al.  
PHYSICA C Volume: 282 Pages: 2001-2002 Part: 4 Published: AUG 1997
- 1,878. Oxygen knock-out and other studies in alpha-irradiated polycrystalline Bi-2212 superconductor  
By: Bandyopadhyay, SK; Ghosh, AK; Barat, P; et al.  
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH Volume: 162 Issue: 2 Pages: 701-712 Published: AUG 1997
- 1,879. F-19 NMR study of  $\text{KMnFeF}_6$ . 2. A frustrated magnetic system  
By: Giri, S; Ghoshray, K; Ghoshray, A; et al.  
PHYSICAL REVIEW B Volume: 56 Issue: 6 Pages: 3347-3352 Published: AUG 1 1997
- 1,880. Breakup effect on the Li-6 elastic scattering from Si-28 at  $E/A=35$  and 53 MeV  
By: Sakuragi, Y; Ito, M; Hirabayashi, Y; et al.  
PROGRESS OF THEORETICAL PHYSICS Volume: 98 Issue: 2 Pages: 521-525 Published: AUG 1997
- 1,881. Analytical expression for the L-3 subshell fluorescence yield in the range  $Z=23-96$   
By: Sarkar, M; Mitra, D; Bhattacharya, D; et al.  
RADIATION PHYSICS AND CHEMISTRY Volume: 50 Issue: 2 Pages: 125-132 Published: AUG 1997
- 1,882. Magnetic properties of  $\text{Fe}_2\text{Mo}_{1-x}\text{Ti}_x\text{O}_4$   
By: Roy, A; Ghose, J; Ray, A; et al.  
SOLID STATE COMMUNICATIONS Volume: 103 Issue: 5 Pages: 269-272 Published: AUG 1997
- 1,883. Giant magnetoresistance in Ce-doped manganite systems  
By: Das, S; Mandal, P  
ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER Volume: 104 Issue: 1 Pages: 7-9 Published: AUG 1997
- 1,884. On the dynamics of synaptic vesicles: Effects on the rate of neurotransmitter release  
By: Chaudhuri, S; Bhaumik, K  
JOURNAL OF THEORETICAL BIOLOGY Volume: 187 Issue: 3 Pages: 351-362 Published: AUG 7 1997
- 1,885. Landau theory of the direct smectic-A to isotropic phase transition  
By: Nandi, B; Saha, M; Mukherjee, PK  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 11 Issue: 20 Pages: 2425-2432  
Published: AUG 10 1997
- 1,886. Luminescence behaviour of phenosafranin in reverse micelles of AOT in n-heptane

By: Chaudhuri, R; Sengupta, PK; Mukherjee, KKR

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 108 Issue: 2-3 Pages: 261-265 Published: AUG 15 1997

1,887. S approximation for light scattering by an infinitely long cylinder

By: Sharma, SK; Ghosh, G; Somerford, DJ

APPLIED OPTICS Volume: 36 Issue: 24 Pages: 6109-6114 Published: AUG 20 1997

1,888. Sequential separation of carrier radioisotopes of rhodium, silver and cadmium produced in alpha-particle activated palladium by TOA

By: Lahiri, S; Nandy, M; Mukhopadhyay, B

APPLIED RADIATION AND ISOTOPES Volume: 48 Issue: 9 Pages: 1169-1172 Published: SEP 1997

1,889. Liquid-liquid extraction of alpha-activation products of iron with HDEHP

By: Lahiri, S; Banerjee, S; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 223 Issue: 1-2 Pages: 235-238 Published: SEP 1997

1,890. Giant magnetoresistance in the disordered magnetic alloy (FeNi)<sub>25</sub>Au-75

By: Ray, A; Ranganathan, R; Bansal, C

PHYSICAL REVIEW B Volume: 56 Issue: 10 Pages: 6073-6078 Published: SEP 1 1997

1,891. Anomalous width variations for ion acoustic rarefactive solitary waves in a warm ion plasma with two electron temperatures

By: Ghosh, SS; Iyengar, ANS

PHYSICS OF PLASMAS Volume: 4 Issue: 9 Pages: 3204-3210 Published: SEP 1997

1,892. The transport properties of magnetic and nonmagnetic borocarbides

By: Mandal, P; Winzer, K

SOLID STATE COMMUNICATIONS Volume: 103 Issue: 12 Pages: 679-682 Published: SEP 1997

1,893. Coherent states for parabosons

By: Bagchi, B; Bhaumik, D

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 30 Issue: 17 Pages: L593-L597 Published: SEP 7 1997

1,894. Characterization of the triplet charge-transfer state of 4-amino-N-methylphthalimide in aprotic and protic media by laser flash photolysis

By: Aich, S; Raha, C; Basu, S

JOURNAL OF THE CHEMICAL SOCIETY-FARADAY TRANSACTIONS Volume: 93 Issue: 17 Pages: 2991-2996 Published: SEP 7 1997

1,895. Examination of Wandzura-Wilczek relation for  $g(2)(x, Q(2))$  in pQCD

By: Harindranath, A; Zhang, WM

PHYSICS LETTERS B Volume: 408 Issue: 1-4 Pages: 347-356 Published: SEP 11 1997

1,896. An improved phase-locked detection system for the observation of the magnetic field effect on exciplex luminescence: deviation from previously observed dielectric constant dependence

By: Aich, S; Basu, S; Nath, DN

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 109 Issue: 2 Pages: 95-99 Published: SEP 15 1997

1,897. Quantum correction to the thermodynamical entropy of a black hole

By: Ghosh, A; Mitra, P

PHYSICAL REVIEW D Volume: 56 Issue: 6 Pages: 3568-3570 Published: SEP 15 1997

1,898. Quantizing magnetic field and Quark-Hadron phase transition in a neutron star

By: Bandyopadhyay, D; Chakrabarty, S; Pal, S

PHYSICAL REVIEW LETTERS Volume: 79 Issue: 12 Pages: 2176-2179 Published: SEP 22 1997

1,899. Excited states of Ge-71 above the neutron emission threshold and solar neutrino capture rates for Ga detectors

By: Kar, K; Sarkar, S; Goswami, S; et al.

MODERN PHYSICS LETTERS A Volume: 12 Issue: 30 Pages: 2279-2285 Published: SEP 28 1997

1,900. PET dosimetry in proton radiotherapy: a Monte Carlo study

By: Del Guerra, A; Di Domenico, G; Mukhopadhyay, D

APPLIED RADIATION AND ISOTOPES Volume: 48 Issue: 10-12 Pages: 1617-1624 Published: OCT-DEC 1997

1,901. Chemical modifications and dissociation characteristics of tyrosine and tryptophan residues in alpha-crystallin

By: Bera, S; Pal, J; Roy, B; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 34 Issue: 5 Pages: 419-428 Published: OCT 1997

1,902. Sequential separation by HDEHP of carrier- Rh-101,Rh-105,Rh-106, Ag-103,Ag-104,Ag-105,Ag-106,Ag-110,Ag-112 and Cd-104,Cd-105,Cd-107,Cd-109,Cd-111 produced in alpha-particle activated palladium

By: Lahiri, S; Mukhopadhyay, B; Nandy, M; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 224 Issue: 1-2 Pages: 155-158 Published: OCT 1997

1,903. A study of the use of crystalline titania for cobalt fixation

By: Dutta, NC

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 224 Issue: 1-2 Pages: 173-175 Published: OCT 1997

1,904. Heat diffusivity of the Mott systems BaCo<sub>0.9</sub>Ni<sub>0.1</sub>S<sub>2-y</sub> and Cu<sub>1-x</sub>Fe<sub>x</sub>S<sub>4</sub>

By: Kang, H; Mandal, P; Medvedeva, IV; et al.

PHYSICA STATUS SOLIDI A-APPLIED RESEARCH Volume: 163 Issue: 2 Pages: 465-473 Published: OCT 1997

1,905. High spin behavior of Eu-153

By: Basu, S; Chattopadhyay, S; Chatterjee, JM; et al.

PHYSICAL REVIEW C Volume: 56 Issue: 4 Pages: 1756-1761 Published: OCT 1997

1,906. Fluorescence polarization of N-vinyl carbazole grafted on cellulose acetate film and its electron transfer reaction with 1,4-dicyanobenzene

By: Aich, S; Bhattacharyya, A; Basu, S

RADIATION PHYSICS AND CHEMISTRY Volume: 50 Issue: 4 Pages: 347-354 Published: OCT 1997

1,907. Positronium reactions in the Triton X-100 p-nitro phenol system

By: Das, SK; Ganguly, BN

RADIATION PHYSICS AND CHEMISTRY Volume: 50 Issue: 4 Pages: 355-361 Published: OCT 1997

1,908. Dependence of positronium formation on critical micelle concentration: A phenomenological approach

By: Mukherjee, T; Das, SK; Ganguly, BN; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 50 Issue: 4 Pages: 363-367 Published: OCT 1997

1,909. Quark-gluon plasma diagnostics in a successive equilibrium scenario

By: Roy, P; Alam, JE; Sarkar, S; et al.

NUCLEAR PHYSICS A Volume: 624 Issue: 4 Pages: 687-705 Published: OCT 20 1997

1,910. Divergences in the solutions of the plasma screening equation

By: Das, SK; Janaki, MS; Dasgupta, B

JOURNAL OF MATHEMATICAL PHYSICS Volume: 38 Issue: 11 Pages: 5707-5710 Published: NOV 1997

1,911. Energy dependence of the Li-6-nucleus interactions at intermediate energies

By: Samanta, C; Sakuragi, Y; Ito, M; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 23 Issue: 11 Pages: 1697-1705 Published: NOV 1997

1,912. Study of the characteristics of a clover detector

By: Joshi, PK; Jain, HC; Medhi, AS; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 399 Issue: 1 Pages: 51-56 Published: NOV 1 1997

1,913. Transients in a one-dimensional probabilistic cellular automaton

By: Bhattacharyya, P

PHYSICA A Volume: 245 Issue: 3-4 Pages: 472-484 Published: NOV 1 1997

- 1,914. Formation of highly condensed ferric stearate monolayers at the air-water interface  
By: Datta, A; Sanyal, MK; Dhanabalan, A; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 101 Issue: 45 Pages: 9280-9286 Published: NOV 6 1997
- 1,915. A modified bubble model for positronium atoms in liquids  
By: Mukherjee, T; Ganguly, BN; DuttaRoy, B  
JOURNAL OF CHEMICAL PHYSICS Volume: 107 Issue: 18 Pages: 7467-7471 Published: NOV 8 1997
- 1,916. Thermal masses and equilibrium rates in the quark gluon phase  
By: Alam, JE; Roy, P; Sarkar, S; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 28 Pages: 5151-5160  
Published: NOV 10 1997
- 1,917. Density effects in the Landau-de Gennes theory near the nematic-isotropic phase transition  
By: Mukhopadhyay, K; Mukherjee, PK  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 11 Issue: 29 Pages: 3479-3489  
Published: NOV 20 1997
- 1,918. Influence of piezoelectric bilinear and biquadratic coupling in smectic C\* phase of ferroelectric liquid crystal  
By: Roy, SS; Roy, SK; Mukherjee, PK  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 11 Issue: 29 Pages: 3491-3502  
Published: NOV 20 1997
- 1,919. Radiation-induced double-strand modification in calf thymus DNA in the presence of 1,2-dihydroxy-9,10-anthraquinone and its Cu(II) complex  
By: Das, S; Saha, A; Mandal, PC  
ENVIRONMENTAL HEALTH PERSPECTIVES Volume: 105 Supplement: 6 Pages: 1459-1462  
Published: DEC 1997
- 1,920. A gluon plasma giant resonance at finite temperature  
By: Paria, L; Mustafa, MG; Abbas, A  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 6 Issue: 4 Pages: 633-639  
Published: DEC 1997
- 1,921. Level scheme of Ga-65  
By: Banerjee, P; Sethi, B; Chatterjee, MB; et al.  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 110 Issue: 12 Pages: 1365-1374  
Published: DEC 1997
- 1,922. Spin-reversal transition in Ising model under pulsed field  
By: Misra, A; Chakrabarti, BK  
PHYSICA A Volume: 246 Issue: 3-4 Pages: 510-518  
Published: DEC 1 1997

- 1,923. Flicker noise in thin lipid films  
By: De, S; Basu, R; Nandi, UN; et al.  
PHYSICAL REVIEW B Volume: 56 Issue: 21 Pages: 13627-13629 Published: DEC 1 1997
- 1,924. Cranked Hartree-Fock-Bogoliubov calculations in the Xe-Ba region  
By: Sarkar, MS; Sen, S  
PHYSICAL REVIEW C Volume: 56 Issue: 6 Pages: 3140-3151 Published: DEC 1997
- 1,925. Preemission cluster energies in preequilibrium nuclear reactions  
By: Basu, C; Ghosh, S  
PHYSICAL REVIEW C Volume: 56 Issue: 6 Pages: 3248-3253 Published: DEC 1997
- 1,926. Experimental lifetimes of some levels belonging to the  $4p(5)nd$  ( $n=4, 5, 6$ ) configuration of Kr I  
By: Das, MB; Bhattacharyya, SR  
ZEITSCHRIFT FUR PHYSIK D-ATOMS MOLECULES AND CLUSTERS Volume: 42 Issue: 4 Pages: 267-269  
Published: DEC 1997
- 1,927. Capillary waves in Langmuir-Blodgett interfaces and formation of confined CdS layers  
By: Basu, JK; Sanyal, MK  
PHYSICAL REVIEW LETTERS Volume: 79 Issue: 23 Pages: 4617-4620 Published: DEC 8 1997
- 1,928. Reactivation of denatured proteins by domain V of bacterial 23S rRNA  
By: Pal, D; Chattopadhyay, S; Chandra, S; et al.  
NUCLEIC ACIDS RESEARCH Volume: 25 Issue: 24 Pages: 5047-5051 Published: DEC 15 1997
- 1,929. Aspects of dielectric breakdown in a model for disordered non-linear composites  
By: Gupta, AK; Sen, AK  
PHYSICA A Volume: 247 Issue: 1-4 Pages: 30-40 Published: DEC 15 1997
- 1,930. Damage spreading in the 'sandpile' model of SOC  
By: Bhowal, A  
PHYSICA A Volume: 247 Issue: 1-4 Pages: 327-330 Published: DEC 15 1997
- 1,931. Transport properties of Ce-doped  $RMnO_3$  ( $R = La, Pr, \text{ and } Nd$ ) manganites  
By: Mandal, P; Das, S  
PHYSICAL REVIEW B Volume: 56 Issue: 23 Pages: 15073-15080 Published: DEC 15 1997
- 1,932. To restore the broken symmetry in the nonconfining Schwinger model  
By: Rahaman, A  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 31 Pages: 5625-5637  
Published: DEC 20 1997
- 1,933. Finite temperature effects on electromagnetic probes of Quark-Gluon plasma  
By: Bhattacharyya, A; Raha, S; Alam, JE; et al.



INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 12 Issue: 31 Pages: 5639-5650  
Published: DEC 20 1997

1,934. Differential conductance for tunnel junctions: Effects of d-wave gap

By: Chattopadhyay, B; Lahiri, J; Das, AN

MODERN PHYSICS LETTERS B Volume: 11 Issue: 29 Pages: 1285-1294 Published: DEC 20 1997

1,935. Effect of flow on the caloric curve for finite nuclei

By: Samaddar, SK; De, JN; Shlomo, S

PHYSICAL REVIEW LETTERS Volume: 79 Issue: 25 Pages: 4962-4965 Published: DEC 22 1997

1,936. E2 component in subcoulomb breakup of B-8

By: Shyam, R; Thompson, IJ

PHYSICS LETTERS B Volume: 415 Issue: 4 Pages: 315-320 Published: DEC 25 1997

1,937. Enhancement of intersystem crossing by substitution: assignment of a long-lived triplet state by magnetic field effects in a non-viscous medium

By: Aich, S; Basu, S

CHEMICAL PHYSICS LETTERS Volume: 281 Issue: 4-6 Pages: 247-253 Published: DEC 26 1997

1,938. Two-dimensional chiral chromodynamics with Faddeevian anomaly

By: Rahaman, A; Mukhopadhyay, S

MODERN PHYSICS LETTERS A Volume: 12 Issue: 40 Pages: 3121-3129 Published: DEC 28 1997

1,939. Large amplitude Alfvén soliton in the solar wind and Painlevé analysis

By: Chowdhury, AR; Buti, B; Dasgupta, B

AUSTRALIAN JOURNAL OF PHYSICS Volume: 51 Issue: 1 Pages: 125-130 Published: 1998

1,940. A high spin isomer in Eu-153

By: Chatterjee, JM; Basu-Roy, S; Ghugre, SS; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 1 Issue: 1 Pages: 55-59 Published: JAN 1998

1,941. Magnetic properties of oxygen monolayers

By: Chatterjee, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 177 Pages: 719-720 Part: 1

Published: JAN 1998

1,942. Excitation function measurement and reaction mechanism analysis for alpha-induced reactions on Au-197

By: Chakravarty, N; Sarkar, PK; Nandy, M; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 1 Pages: 151-166

Published: JAN 1998

1,943. Landau Theory of Nematic-Smectic-A Transition in a Liquid Crystal Mixture

By: Mukherjee, Prabir K.

MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION A-MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 312 Pages: 157-164 Article Number: PII 757882961 Published: 1998

1,944. On the possible use of a new boron compound, hydroxysalicylhydroxamato boron(III), and ultrasound in the treatment of female mice bearing the Ehrlich ascites carcinoma cells

By: Ghosh, P; Sur, P; Bag, SP; et al.

NEOPLASMA Volume: 45 Issue: 6 Pages: 384-388 Published: 1998

1,945. Superconducting gap ratio and isotope-shift exponent in a pair-tunneling model

By: Das, AN; Lahiri, J; Sil, S

PHYSICA C Volume: 294 Issue: 1-2 Pages: 97-104 Published: JAN 1 1998

1,946. Dust cyclotron instability in presence of dust charge fluctuations

By: Das, C; Janaki, MS; Dasgupta, B

PHYSICA SCRIPTA Volume: T75 Pages: 216-218 Published: 1998

1,947. Annihilation characteristics of positrons in a polymer containing silver nanoparticles

By: Mukherjee, M; Chakravorty, D; Nambissan, PMG

PHYSICAL REVIEW B Volume: 57 Issue: 2 Pages: 848-856 Published: JAN 1 1998

1,948. Pseudo-affinity column chromatography based rapid purification procedure for T7 RNA polymerase

By: Das, M; Dasgupta, D

PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY Volume: 28 Issue: 4 Pages: 339-348 Published: 1998

1,949. The protective role of Cu(II) ions in the photo degradation of uracil in aqueous solutions: A steady state and laser flash photolysis study

By: Chabita, K; Basu, S; Mandal, PC; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 1 Pages: 93-100 Published: JAN 1998

1,950. Studies on the separation of no-carrier-added gold from neutron activated platinum target

By: Das, NR; Banerjee, S; Chatterjee, K; et al.

RADIOCHIMICA ACTA Volume: 83 Issue: 1 Pages: 39-42 Published: 1998

1,951. Studies on liquid-liquid extraction of no-carrier-added Nb-91, Nb-92, Nb-96 and Mo-93m isotopes produced in alpha-particle activated zirconium target with HDEHP

By: Lahiri, S; Mukhopadhyay, B; Das, NR

RADIOCHIMICA ACTA Volume: 83 Issue: 2 Pages: 93-95 Published: 1998

1,952. An assessment of the usefulness of 5-hydroxytryptophan as an optical probe

By: Guharay, J; Sengupta, B; Sengupta, PK

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 54 Issue: 1 Pages: 185-190 Published: JAN 1998

1,953. Crystal structure of (S)-2-aminoethyl-L-cysteine hydrochloride, C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S center dot HCl  
By: Ravichandran, S; Chakrabarti, C; Dattagupta, JK  
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES Volume: 213 Issue: 1 Pages: 219-220 Published: 1998

1,954. Positronium formation in a reverse micellar system  
By: Mukherjee, T; Das, SK; Ganguly, BN; et al.  
CHEMICAL PHYSICS LETTERS Volume: 282 Issue: 1 Pages: 64-70 Published: JAN 2 1998

1,955. Operator product expansion at finite temperature  
By: Mallik, S  
PHYSICS LETTERS B Volume: 416 Issue: 3-4 Pages: 373-378 Published: JAN 8 1998

1,956. Multiparameter deformed and non-standard  $Y(g(M))$  Yangian symmetry in a novel class of spin Calogero-Sutherland models  
By: Basu-Mallick, B; Kundu, A  
NUCLEAR PHYSICS B Volume: 509 Issue: 3 Pages: 705-728 Published: JAN 12 1998

1,957. Resonant collisions in four-dimensional reversible maps: A description of scenarios  
By: Lahiri, A; Bhowal, A; Roy, TK  
PHYSICA D Volume: 112 Issue: 1-2 Pages: 95-116 Published: JAN 15 1998

1,958. Weakly interacting Quark matter in an ultrastrong magnetic field  
By: Chakrabarty, S; Bandyopadhyay, D; Pal, S  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 13 Issue: 2 Pages: 295-314 Published: JAN 20 1998

1,959. Landau theory of nematic to smectic-A phase transition  
By: Nandi, B; Saha, M; Mukherjee, PK  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 12 Issue: 2 Pages: 207-212 Published: JAN 20 1998

1,960. Magnetic field effect: A tool for identification of spin state in a photoinduced electron-transfer reaction  
By: Aich, S; Basu, S  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 102 Issue: 4 Pages: 722-729 Published: JAN 22 1998

1,961. Sum rule for the twist four longitudinal structure function  
By: Harindranath, A; Kundu, R; Mukherjee, A; et al.  
PHYSICS LETTERS B Volume: 417 Issue: 3-4 Pages: 361-368 Published: JAN 22 1998

1,962. Generation of synchronized TTL pulses for the operation of a pulse counter  
By: Ray, NR; Roy, R; Bal, A

MEASUREMENT SCIENCE AND TECHNOLOGY Volume: 9 Issue: 2 Pages: 287-289 Published: FEB 1998

1,963. Non-linear relaxation oscillations in liquid hour glass

By: Katti, M; Bal, B

PHYSICA D Volume: 112 Issue: 3-4 Pages: 451-458 Published: FEB 1 1998

1,964. Periodic features in the dynamic structure factor of the quasiperiodic period-doubling lattice

By: Ghosh, A; Karmakar, SN

PHYSICAL REVIEW B Volume: 57 Issue: 5 Pages: 2834-2840 Published: FEB 1 1998

1,965. Nonlinear dc response in composites: A percolative study

By: Gupta, AK; Sens, AK

PHYSICAL REVIEW B Volume: 57 Issue: 6 Pages: 3375-3388 Published: FEB 1 1998

1,966. Propagation of charm quarks in equilibrating quark-gluon plasma

By: Mustafa, MG; Pal, DL; Srivastava, DK

PHYSICAL REVIEW C Volume: 57 Issue: 2 Pages: 889-898 Published: FEB 1998

1,967. Observation of a deformed band in Rh-98

By: Chattopadhyay, S; Mukherjee, A; Pramanik, UD; et al.

PHYSICAL REVIEW C Volume: 57 Issue: 2 Pages: R471-R474 Published: FEB 1998

1,968. Action-angle variables in quantum mechanics

By: Lahiri, A; Ghosh, G; Kar, TK

PHYSICS LETTERS A Volume: 238 Issue: 4-5 Pages: 239-243 Published: FEB 9 1998

1,969. D-brane interaction in the type IIB matrix model

By: Mandal, BP; Mukhopadhyay, S

PHYSICS LETTERS B Volume: 419 Issue: 1-4 Pages: 62-72 Published: FEB 12 1998

1,970. Supersymmetry and the chiral Schwinger model

By: Amorim, R; Das, A

PHYSICAL REVIEW D Volume: 57 Issue: 4 Pages: 2599-2602 Published: FEB 15 1998

1,971. Interaction of H<sup>+</sup>-ions with alpha-crystallin: solvent accessibility of ionizable side chains and surface charge

By: Bera, S; Ghosh, SK

BIOPHYSICAL CHEMISTRY Volume: 70 Issue: 2 Pages: 147-160 Published: FEB 16 1998

1,972. Liquid-gas phase transition in finite nuclei

By: De, JN; Samaddar, SK; Shlomo, S

NUCLEAR PHYSICS A Volume: 630 Issue: 1-2 Pages: 192C-199C Published: FEB 16 1998

1,973. Issues in the disposal of waste containing naturally occurring radioactive material

By: Bhattacharyya, DK

APPLIED RADIATION AND ISOTOPES Volume: 49 Issue: 3 Pages: 215-226 Published: MAR 1998

1,974. Generalized annihilation operator coherent states

By: Ghosh, G

JOURNAL OF MATHEMATICAL PHYSICS Volume: 39 Issue: 3 Pages: 1366-1372 Published: MAR 1998

1,975. X-ray Photoelectron Spectroscopy (XPS) studies of O1s core level in Y-doped Bi-2212 superconductor

By: Rajasekar, P; Chakraborty, P; Bandyopadhyay, SK; et al.

JOURNAL OF THE KOREAN PHYSICAL SOCIETY Volume: 32 Issue: 3 Pages: 365-367 Published: MAR 1998

1,976. Structural and magnetic properties of the mixed fluorides  $KMn_{1-x}Co_xFeF_6$

By: Giri, S; Ghoshray, K

PHYSICAL REVIEW B Volume: 57 Issue: 10 Pages: 5918-5922 Published: MAR 1 1998

1,977. Level density parameter in a refined Thomas-Fermi theory

By: De, JN; Shlomo, S; Samaddar, SK

PHYSICAL REVIEW C Volume: 57 Issue: 3 Pages: 1398-1403 Published: MAR 1998

1,978. Positron annihilation study on gamma-irradiated cellulose acetate matrix

By: Subrahmanyam, VS; Das, SK; Ganguly, BN; et al.

POLYMER Volume: 39 Issue: 6-7 Pages: 1507-1508 Published: MAR 1998

1,979. Proton NMR in  $CeNiInH_{0.53}$  down to liquid helium temperature

By: Ray, R; Ghoshray, A; Ghoshray, K; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 50 Issue: 3 Pages: 263-269 Published: MAR 1998

1,980. Electron temperature estimation in the Saha Institute of Nuclear Physics tokamak from the soft x-ray imaging system

By: Paul, RK; Banik, D; Iyengar, ANS; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 69 Issue: 3 Pages: 1378-1382 Published: MAR 1998

1,981.  $SL(2, Z)$  multiplets of type II superstrings in  $D < 10$

By: Roy, S

PHYSICS LETTERS B Volume: 421 Issue: 1-4 Pages: 176-184 Published: MAR 5 1998

1,982. An  $SL(2, Z)$  multiplet of black holes in  $D=4$  type II superstring theory

By: Das, A; Maharana, J; Roy, S

PHYSICS LETTERS B Volume: 421 Issue: 1-4 Pages: 185-195 Published: MAR 5 1998

1,983. Order parameter of the metal to insulator phase transition in the thio spinel  $Cu_{1-x}Zn_xS_4$

By: Kang, H; Barner, K; Medvedeva, IV; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 267 Issue: 1-2 Pages: 1-5 Published: MAR 6 1998

1,984. Effect of surface segregation on the catalytic activity of alloys: CO hydrogenation on Pd-Ni(111) surface

By: Khanra, BC; Bertolini, JC; Rousset, JL

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 129 Issue: 2-3 Pages: 233-240  
Published: MAR 6 1998

1,985. Hybrid stars: Spin-polarized nuclear matter and density-dependent quark masses

By: Maheswari, VSU; De, JN; Samaddar, SK

PHYSICAL REVIEW D Volume: 57 Issue: 6 Pages: 3242-3255 Published: MAR 15 1998

1,986. X-ray Photoelectron Spectroscopy study of oxygen and argon annealed YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>

By: Rajasekar, P; Chakraborty, P; Bandyopadhyay, SK; et al.

MODERN PHYSICS LETTERS B Volume: 12 Issue: 6-7 Pages: 239-245 Published: MAR 20 1998

1,987. Effect of Tl doping on the structural and physical properties of HgBa<sub>2</sub>CuO<sub>4+ $\delta$</sub>  superconductor

By: Bandyopadhyay, B; Mandal, JB; Ghosh, B

PHYSICA C Volume: 298 Issue: 1-2 Pages: 95-104 Published: MAR 20 1998

1,988. Amplification and disorder effects in a Kronig-Penney chain of active potentials

By: Zekri, N; Bahlouli, H; Sen, AK

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 10 Issue: 11 Pages: 2405-2416 Published:  
MAR 23 1998

1,989. Rotational bands in the doubly odd Pm-138

By: Pramanik, UD; Mukherjee, A; Singh, AK; et al.

NUCLEAR PHYSICS A Volume: 632 Issue: 3 Pages: 307-322 Published: MAR 23 1998

1,990. Generalized quantum conditions and coherent states

By: Bagchi, B; Bhaumik, D

MODERN PHYSICS LETTERS A Volume: 13 Issue: 10 Pages: 811-817 Published: MAR 28 1998

1,991. Positronium formation in aqueous Triton X-100 solution

By: Das, SK; Ganguly, BN

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 230 Issue: 1-2 Pages: 17-20  
Published: APR 1998

1,992. Carbonate radical induced polymerisation of pyrrole: A steady state and flash photolysis study

By: Bhattacharya, A; De, A; Mandal, PC

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 230 Issue: 1-2 Pages: 91-95  
Published: APR 1998

1,993. Improved analysis of the Landau theory of the uniaxial-biaxial nematic phase transition

By: Mukherjee, PK

LIQUID CRYSTALS Volume: 24 Issue: 4 Pages: 519-523 Published: APR 1998

1,994. High spin states in Zn-63

By: Singh, AK; Gangopadhyay, G; Banerjee, D; et al.

PHYSICAL REVIEW C Volume: 57 Issue: 4 Pages: 1617-1623 Published: APR 1998

1,995. Non-Abelian flavor symmetry and R parity

By: Bhattacharyya, G

PHYSICAL REVIEW D Volume: 57 Issue: 7 Pages: 3944-3949 Published: APR 1 1998

1,996. New constraints on R-parity violation from K and B systems

By: Bhattacharyya, G; Raychaudhuri, A

PHYSICAL REVIEW D Volume: 57 Issue: 7 Pages: R3837-R3841 Published: APR 1 1998

1,997. Anisotropic emission of the M X-rays of Au bombarded with carbon ions

By: Mitra, D; Sarkar, M; Bhattacharya, D; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 349-350 Published: APR-JUN 1998

1,998. Novel method of using BaF<sub>2</sub> scintillators to increase counting efficiency in angular correlation experiments

By: Dey, CC; Sinha, BK

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 455-456 Published: APR-JUN 1998

1,999. Neutron energy spectrum of an Am-Be source by gamma gated NTOF technique

By: Pal, J; Saha, S; Dey, CC; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 475-477 Published: APR-JUN 1998

2,000. X-ray scattering studies of surfaces and interfaces

By: Sanyal, MK

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 487-495 Published: APR-JUN 1998

2,001. Radiation effects associated with reverse micellar systems in apolar solvent

By: Mukherjee, T; Das, SK; Nandi-Ganguly, B; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 537-538 Published: APR-JUN 1998

2,002. X-ray reflectivity study of thin organic films

By: Basu, JK; Sanyal, MK; Datta, A

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 541-542 Published: APR-JUN 1998

2,003. Modelling production of beta(1) plus emitting isotopes by proton therapy beams using the LAHET Code System

By: Siebers, JV; Mukhopadhyay, D

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 601-602 Published: APR-JUN 1998

2,004. Micro ion-beam facility at the Institute of Physics, Bhubaneswar

By: Rout, B; Ghose, SK; Sundaravel, B; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 51 Issue: 4-6 Pages: 677-677 Published: APR-JUN 1998

2,005. Restricted pair tunneling model in the context of high-T-c cuprates

By: Das, AN; Sil, S

PHYSICA C Volume: 299 Issue: 1-2 Pages: 83-90 Published: APR 10 1998

2,006. Comment on "Understanding the area proposal for extremal black hole entropy" - Reply

By: Ghosh, A; Mitra, P

PHYSICAL REVIEW LETTERS Volume: 80 Issue: 15 Pages: 3413-3413 Published: APR 13 1998

2,007. Mephentermine hemisulfate monohydrate: An adrenergic agent

By: Sengupta, R; Banerjee, R; Dattagupta, JK

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 54 Pages: 497-499 Part: 4 Published: APR 15 1998

2,008. D-phenylglycine hydrochloride

By: Ravichandran, S; Dattagupta, JK; Chakrabarti, C

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 54 Pages: 499-501 Part: 4 Published: APR 15 1998

2,009. Isotope-shift exponent and the gap ratio for d-wave pairing within the phonon mediated mechanism

By: Sarkar, S; Das, AN

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 12 Issue: 10 Pages: 1097-1103 Published: APR 20 1998

2,010. Closed-form evaluation of pre-equilibrium light-cluster emission in heavy ion reactions

By: Basu, C; Ghosh, S

PHYSICS LETTERS B Volume: 425 Issue: 3-4 Pages: 227-231 Published: APR 23 1998

2,011. NN -> NN pi reaction near threshold in a covariant one-boson-exchange model

By: Shyam, R; Mosel, U

PHYSICS LETTERS B Volume: 426 Issue: 1-2 Pages: 1-6 Published: APR 30 1998



2,012. Interfacial profile of a Bragg Mirror

By: Sanyal, MK; Datta, A; Srivastava, AK; et al.

APPLIED SURFACE SCIENCE Volume: 133 Issue: 1-2 Pages: 98-102 Published: MAY 1998

2,013. Quantum rotors with regular frustration and the quantum Lifshitz point

By: Dutta, A; Bhattacharjee, JK; Chakrabarti, BK

EUROPEAN PHYSICAL JOURNAL B Volume: 3 Issue: 1 Pages: 97-103 Published: MAY 1998

2,014. Dynamic critical properties of a one-dimensional probabilistic cellular automaton

By: Bhattacharyya, P

EUROPEAN PHYSICAL JOURNAL B Volume: 3 Issue: 2 Pages: 247-252 Published: MAY 1998

2,015. Structural influence on grafting of acrylamide based monomers on cellulose acetate

By: Bhattacharya, A; Das, A; De, A

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: 5 Issue: 3 Pages: 135-138 Published: MAY 1998

2,016. Metal nanoclusters in glasses as non-linear photonic materials

By: Chakraborty, P

JOURNAL OF MATERIALS SCIENCE Volume: 33 Issue: 9 Pages: 2235-2249 Published: MAY 1 1998

2,017. Operator product expansion and its thermal average

By: Mallik, S

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 64 Pages: 495-497 Published: MAY 1998

2,018. High-field magnetotransport properties of  $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$  and  $\text{Nd}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$  systems

By: Mandal, P; Barner, K; Haupt, L; et al.

PHYSICAL REVIEW B Volume: 57 Issue: 17 Pages: 10256-10259 Published: MAY 1 1998

2,019. Nuclear breakup of B-8 in a direct fragmentation model

By: Shyam, R; Lenske, H

PHYSICAL REVIEW C Volume: 57 Issue: 5 Pages: 2427-2432 Published: MAY 1998

2,020. Photons from hadronic matter at finite temperature

By: Sarkar, S; Alam, J; Roy, P; et al.

NUCLEAR PHYSICS A Volume: 634 Issue: 1-2 Pages: 206-230 Published: MAY 4 1998

2,021. A time-of-flight low-energy analyser (TOFLEA) of neutral atoms

By: Ray, NR

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 31 Issue: 9 Pages: 1071-1077 Published: MAY 7 1998

2,022. A microscopic complex potential description of elastic, inelastic cross section in the Coulomb nuclear interference region in the Si-28 on Si-28 system

By: Mandal, S; Madhusoodhanan, T; Roy, S; et al.

NUCLEAR PHYSICS A Volume: 634 Issue: 3 Pages: 284-306 Published: MAY 11 1998

2,023. Enhancement of transcriptional activity of T7 RNA polymerase by guanidine hydrochloride

By: Das, M; Dasgupta, D

FEBS LETTERS Volume: 427 Issue: 3 Pages: 337-340 Published: MAY 15 1998

2,024. Magnetic moment, thermal and electrical transport in the inverse Mott systems

BaCo<sub>0.9</sub>Ni<sub>0.1</sub>S<sub>2-y</sub> and CuIr<sub>2</sub>S<sub>4</sub>

By: Kang, H; Mandal, P; Medvedeva, IV; et al.

JOURNAL OF APPLIED PHYSICS Volume: 83 Issue: 11 Pages: 6977-6979 Part: 2 Published: JUN 1 1998

2,025. Preparation of Fe-57 enriched K-4[Fe(CN)(6)] and K-3[Fe(CN)(6)]

By: Ganguli, S; Das, S; Bhattacharya, M

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 232 Issue: 1-2 Pages: 229-231 Published: JUN 1998

2,026. Reaction cross sections in Si of light proton-halo candidates N-12 and Ne-17

By: Warner, RE; Thirumurthy, H; Woodroffe, J; et al.

NUCLEAR PHYSICS A Volume: 635 Issue: 3 Pages: 292-304 Published: JUN 1 1998

2,027. Fusion cross sections for Li-6+C-12 and Li-6+C-13 reactions at low energies

By: Mukherjee, A; Pramanik, UD; Chattopadhyay, S; et al.

NUCLEAR PHYSICS A Volume: 635 Issue: 3 Pages: 305-324 Published: JUN 1 1998

2,028. Liquid-like interfacial correlation in LB films

By: Sanyal, MK; Basu, JK; Datta, A

PHYSICA B Volume: 248 Pages: 217-222 Published: JUN 1 1998

2,029. Bubble model for positronium annihilation in liquids

By: Mukherjee, T; Das, SK; Ganguly, BN; et al.

PHYSICAL REVIEW B Volume: 57 Issue: 21 Pages: 13363-13366 Published: JUN 1 1998

2,030. Multiplicity scaling in nuclear fragmentation

By: Pal, S; Samaddar, SK; De, JN; et al.

PHYSICAL REVIEW C Volume: 57 Issue: 6 Pages: 3246-3250 Published: JUN 1998

2,031. Fusion barrier and spin distributions in C-12+Th-232 reaction via quasielastic scattering

By: Varma, R; Sinha, S; Nayak, BK; et al.

PHYSICAL REVIEW C Volume: 57 Issue: 6 Pages: 3462-3465 Published: JUN 1998

2,032. Propagation of charm quarks in equilibrating quark-gluon plasma (vol 57, pg 889, 1998)

By: Mustafa, MG; Pal, D; Srivastava, DK

PHYSICAL REVIEW C Volume: 57 Issue: 6 Pages: 3499-3499 Published: JUN 1998

2,033. Secondary ion mass spectrometry for quantitative surface and in-depth analysis of materials

By: Chakraborty, P

PRAMANA-JOURNAL OF PHYSICS Volume: 50 Issue: 6 Pages: 617-640 Published: JUN 1998

2,034. Smectic-C order parameter near smectic-A-smectic-C transition

By: Mukherjee, PK

SOLID STATE COMMUNICATIONS Volume: 106 Issue: 9 Pages: 563-565 Published: JUN 1998

2,035. Radiative energy-loss of heavy quarks in a quark-gluon plasma

By: Mustafa, MG; Pal, D; Srivastava, DK; et al.

PHYSICS LETTERS B Volume: 428 Issue: 3-4 Pages: 234-240 Published: JUN 4 1998

2,036. An  $SL(2, Z)$  multiplet of type IIB super five-branes

By: Lu, JX; Roy, S

PHYSICS LETTERS B Volume: 428 Issue: 3-4 Pages: 289-296 Published: JUN 4 1998

2,037. Nematic-isotropic phase transition: A review

By: Mukherjee, PK

CURRENT SCIENCE Volume: 74 Issue: 11 Pages: 945-952 Published: JUN 10 1998

2,038. Entropy of near-extremal dyonic black holes

By: Mitra, P

PHYSICAL REVIEW D Volume: 57 Issue: 12 Pages: 7369-7372 Published: JUN 15 1998

2,039. Evidence of tricritical behavior at the nematic isotropic transition

By: Mukherjee, PK

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 12 Issue: 15 Pages: 1585-1599

Published: JUN 20 1998

2,040. Transient effect in light emission during oxygen ion bombardment of a beryllium-copper target

By: Agarwal, P; Bhattacharyya, SR; Ghose, D

APPLIED SURFACE SCIENCE Volume: 133 Issue: 3 Pages: 166-170 Published: JUL 1998

2,041. Field theoretical calculation of the specific heat exponent for a classical N-vector model in a random external field

By: Ghosh, K; Dutta, A; Bhattacharjee, JK

EUROPEAN PHYSICAL JOURNAL B Volume: 4 Issue: 2 Pages: 219-221 Published: JUL 1998

2,042. High-energy Ni implantation in InP

By: Chini, TK; Bhattacharyya, SR; Basu, D; et al.

JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 17 Issue: 13 Pages: 1117-1119 Published: JUL 1 1998

2,043. Nuclear structure of Xe-124

By: Sarkar, MS; Goswami, A; Bhattacharya, S; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 7 Pages: 1277-1285

Published: JUL 1998

2,044. Effect of spontaneous polarization on smectic C\*-smectic A\* phase transition temperature and the thickness dependence of the spontaneous polarization of ferroelectric liquid crystal

By: Roy, SS; Majumder, TP; Roy, SK; et al.

LIQUID CRYSTALS Volume: 25 Issue: 1 Pages: 59-62 Published: JUL 1998

2,045. Flux-pinning behavior and the interlayer coupling of the Hg<sub>0.7</sub>Cr<sub>0.3</sub>Sr<sub>2</sub>CuO<sub>4+δ</sub> superconductor

By: Choi, JH; Kim, MS; Lee, SI; et al.

PHYSICAL REVIEW B Volume: 58 Issue: 1 Pages: 538-543 Published: JUL 1 1998

2,046. Spectral distribution studies with a modified Kuo-Brown interaction in the upper half of the fp shell

By: Choubey, S; Kar, K; Gomez, JMG; et al.

PHYSICAL REVIEW C Volume: 58 Issue: 1 Pages: 597-600 Published: JUL 1998

2,047. Kramers equation algorithm with Kogut-Susskind fermions on lattice

By: Basak, S; De, AK

PHYSICS LETTERS B Volume: 430 Issue: 3-4 Pages: 320-325 Published: JUL 2 1998

2,048. The study of defects, transport properties and dissipative flux motion in proton irradiated textured polycrystalline Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+δ</sub> and Bi<sub>1.84</sub>Pb<sub>0.34</sub>Sr<sub>1.91</sub>Ca<sub>2.03</sub>Cu<sub>3.06</sub>O<sub>10+δ</sub> superconductors

By: Sen, P; Nambissan, PMG; Bandyopadhyay, SK; et al.

PHYSICA C Volume: 303 Issue: 1-2 Pages: 108-114 Published: JUL 10 1998

2,049. Electrical relaxation mechanism in unconventional bismuth cuprate glasses

By: Hazra, S; Ghosh, A

JOURNAL OF APPLIED PHYSICS Volume: 84 Issue: 2 Pages: 987-992 Published: JUL 15 1998

2,050. Induction of transplantable malignant tumours in mice by repeated short exposures to continuous wave (25 kHz) ultrasound

By: Sur, P; Chatterjee, SN

CURRENT SCIENCE Volume: 75 Issue: 2 Pages: 157-160 Published: JUL 25 1998

2,051. Oblate bands in doubly odd La-134

By: Pramanik, UD; Mukherjee, A; Basu, P; et al.

NUCLEAR PHYSICS A Volume: 637 Issue: 3 Pages: 327-345 Published: JUL 27 1998

2,052. Separation of carrier lutetium produced in proton activated ytterbium with HDEHP

By: Lahiri, S; Nayak, D; Nandy, M; et al.

APPLIED RADIATION AND ISOTOPES Volume: 49 Issue: 8 Pages: 911-913 Published: AUG 1998

2,053. Structure effects on Coulomb dissociation of B-8

By: Nunes, FM; Shyam, R; Thompson, IJ

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 8 Pages: 1575-1582

Published: AUG 1998

2,054. Is the 1.3 MeV excited state of Li-11 a signature of pygmy resonance?

By: Kanungo, R; Samanta, C

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 8 Pages: 1611-1616

Published: AUG 1998

2,055. Half-lives and presupernova weak interaction rates for nuclei away from the stability line

By: Kar, K; Chakravarti, S; Ray, A; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 8 Pages: 1641-1645

Published: AUG 1998

2,056. Protoneutron star in a strongly quantizing magnetic field

By: Bandyopadhyay, D; Pal, S; Chakrabarty, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 8 Pages: 1647-1649

Published: AUG 1998

2,057. Runaway electron studies in the startup phase of very low edge safety factor ( $q(a)$ ) (VLQ) discharges in the SINP tokamak

By: Iyengar, ANS; Pal, R; Lahiri, S; et al.

NUCLEAR FUSION Volume: 38 Issue: 8 Pages: 1177-1181 Published: AUG 1998

2,058. Trace map of a general aperiodic Thue-Morse chain: Electronic properties

By: Ghosh, A; Karmakar, SN

PHYSICAL REVIEW B Volume: 58 Issue: 5 Pages: 2586-2590 Published: AUG 1 1998

2,059. Spin-isospin responses of Ga-71 for solar neutrinos studied by Ga-71(He-3,t gamma)Ge-71 reaction

By: Ejiri, H; Akimune, H; Arimoto, Y; et al.

PHYSICS LETTERS B Volume: 433 Issue: 3-4 Pages: 257-262 Published: AUG 13 1998

2,060. Critical behavior of uniaxial-biaxial nematic phase transition

By: Mukherjee, PK

JOURNAL OF CHEMICAL PHYSICS Volume: 109 Issue: 7 Pages: 2941-2946 Published: AUG 15 1998

2,061. Extraction of density profile for near perfect multilayers

By: Sanyal, MK; Hazra, S; Basu, JK; et al.

PHYSICAL REVIEW B Volume: 58 Issue: 8 Pages: R4258-R4261 Published: AUG 15 1998

- 2,062. Energetics of CO-NO reactions on Pd, Cu and Pd-Cu alloys  
By: Menon, M; Khanra, BC  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 37 Issue: 9 Pages: 795-801 Published: SEP 1998
- 2,063. Influence of particle size on catalytic activity: CO oxidation on Rh and Pd nanostructures  
By: Menon, M; Khanra, BC  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 37 Issue: 9 Pages: 802-805 Published: SEP 1998
- 2,064. Anomalous heat capacity of nematic liquid crystals  
By: Mukherjee, PK  
JOURNAL OF CHEMICAL PHYSICS Volume: 109 Issue: 9 Pages: 3701-3702 Published: SEP 1 1998
- 2,065. Molecular diagnosis of myotonic dystrophy and Huntington's disease from Calcutta, India  
By: Basu, P; Gunguly, PK; Basu, D; et al.  
NEUROLOGY INDIA Volume: 46 Issue: 3 Pages: 199-203 Published: SEP 1998
- 2,066. Anomalous current penetration in the SINP tokamak  
By: Paul, RK; Iyengar, ANS; Hui, AK  
NUCLEAR FUSION Volume: 38 Issue: 9 Pages: 1381-1384 Published: SEP 1998
- 2,067. The effect of glutathione upon chaperone activity of alpha-crystallin is probably mediated through target modulation  
By: Pal, J; Bera, S; Ghosh, SK  
OPHTHALMIC RESEARCH Volume: 30 Issue: 5 Pages: 271-279 Published: SEP-OCT 1998
- 2,068. On dust-Bernstein modes in a dusty plasma  
By: Salimullah, M; Salahuddin, M; Dasgupta, B; et al.  
PHYSICA SCRIPTA Volume: 58 Issue: 3 Pages: 271-274 Published: SEP 1998
- 2,069. Quantum rotors in the presence of a random field  
By: Dutta, A; Bhattacharjee, JK  
PHYSICAL REVIEW B Volume: 58 Issue: 10 Pages: 6378-6385 Published: SEP 1 1998
- 2,070. Superconducting gap within a modified interlayer tunneling model  
By: Chattopadhyay, B; Das, AN  
PHYSICS LETTERS A Volume: 246 Issue: 1-2 Pages: 201-207 Published: SEP 7 1998
- 2,071. Conformation induction in melanotropic peptides by trifluoroethanol: fluorescence and circular dichroism study  
By: Mukhopadhyay, K; Basak, S  
BIOPHYSICAL CHEMISTRY Volume: 74 Issue: 3 Pages: 175-186 Published: SEP 14 1998

- 2,072. Nucleon instability in a supersymmetric  $SU(3)_c \times SU(3)_L \times U(1)$  model  
By: Long, HN; Pal, PB  
MODERN PHYSICS LETTERS A Volume: 13 Issue: 29 Pages: 2355-2360 Published: SEP 21 1998
- 2,073. Excitation energy and angular momentum dependence of nuclear level densities and spin cut-off factor in SPA and SPA+RPA approaches  
By: Agrawal, BK; Ansari, A  
NUCLEAR PHYSICS A Volume: 640 Issue: 3-4 Pages: 362-374 Published: SEP 21 1998
- 2,074. Fusion cross sections for Li-7+B-11 and Be-9+Be-9 reactions at low energies (vol 614, pg 238, 1997)  
By: Mukherjee, A; Dasmahapatra, B  
NUCLEAR PHYSICS A Volume: 640 Issue: 3-4 Pages: 508-508 Published: SEP 21 1998
- 2,075. Fusion cross sections for Li-6+C-12 and Li-6+C-13 reactions at low energies (vol A635, pg 305, 1998)  
By: Mukherjee, A; Pramanik, UD; Chattopadhyay, S; et al.  
NUCLEAR PHYSICS A Volume: 640 Issue: 3-4 Pages: 509-510 Published: SEP 21 1998
- 2,076. Anomalous X-ray reflectivity study of metal oxide thin films  
By: Banerjee, S; Park, YJ; Lee, DR; et al.  
APPLIED SURFACE SCIENCE Volume: 136 Issue: 1-2 Pages: 41-45 Published: OCT 1998
- 2,077. Painleve analysis and Backlund transformations for coupled generalized Schrodinger-Boussinesq system  
By: Chowdhury, AR; Dasgupta, B; Rao, NN  
CHAOS SOLITONS & FRACTALS Volume: 9 Issue: 10 Pages: 1747-1753 Published: OCT 1998
- 2,078. Effect of colour singletness of quark-gluon plasma in quark-hadron phase transition  
By: Mustafa, MG; Srivastava, DK; Sinha, B  
EUROPEAN PHYSICAL JOURNAL C Volume: 5 Issue: 4 Pages: 711-718 Published: OCT 1998
- 2,079. Influence of chemical modification of cysteine and histidine side chains upon subunit reassembly of alpha crystallin  
By: Pal, J; Ghosh, SK  
JOURNAL OF PROTEIN CHEMISTRY Volume: 17 Issue: 7 Pages: 617-632 Published: OCT 1998
- 2,080. Incident-energy dependence of linear momentum transfer in low-energy nucleus-nucleus collisions  
By: Mukherjee, RN; De, TK; Baliga, BB  
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 111 Issue: 10 Pages: 1105-1112 Published: OCT 1998
- 2,081. Dynamic magnetization-reversal transition in the Ising model  
By: Misra, A; Chakrabarti, BK

PHYSICAL REVIEW E Volume: 58 Issue: 4 Pages: 4277-4283 Published: OCT 1998

2,082. High resolution Fourier transform spectroscopy of the overtone C-O stretch band of methanol-D-3

By: Maiti, S; Mukhopadhyay, I

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 54  
Issue: 12 Pages: 1901-1908 Published: OCT 1998

2,083. Studies on the phase mineralogy and leaching characteristics of coal fly ash

By: Khanra, S; Mallick, D; Dutta, SN; et al.

WATER AIR AND SOIL POLLUTION Volume: 107 Issue: 1-4 Pages: 251-275 Published: OCT 1998

2,084. Alpha spectroscopic factors for Li-6, Li-7, Be-9, and C-12 from the  $(p, \alpha)$  reaction at 296 MeV

By: Yoshimura, T; Okihana, A; Warner, RE; et al.

NUCLEAR PHYSICS A Volume: 641 Issue: 1 Pages: 3-20 Published: OCT 5 1998

2,085. Role of catalyst to improve P-10 filled gas counter performance

By: Behera, B; Satpathy, M; Basu, P; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 416 Issue: 1 Pages: 81-84  
Published: OCT 11 1998

2,086. Relaxed states of a magnetized plasma with minimum dissipation

By: Dasgupta, B; Dasgupta, P; Janaki, MS; et al.

PHYSICAL REVIEW LETTERS Volume: 81 Issue: 15 Pages: 3144-3147 Published: OCT 12 1998

2,087. Anomalous ion heating in very low  $q(a)$  discharges of the SINP tokamak

By: Chattopadhyay, PK; Pal, R; Iyengar, ANS; et al.

PHYSICAL REVIEW LETTERS Volume: 81 Issue: 15 Pages: 3151-3154 Published: OCT 12 1998

2,088. Oxorhenium(V) and oxotechnetium(V) complexes of cysteine

By: Chatterjee, M; Achari, B; Das, S; et al.

INORGANIC CHEMISTRY Volume: 37 Issue: 21 Pages: 5424-5430 Published: OCT 19 1998

2,089. Detection of telomerase activity in Chinese hamster V79 cells and its inhibition by 7-deaza-deoxy guanosine triphosphate and (TTAGGG)<sub>4</sub> in vitro

By: Pandit, B; Bhattacharyya, NP

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 251 Issue: 2 Pages: 620-624  
Published: OCT 20 1998

2,090. On S duality of toroidally compactified type IIB string effective action

By: Roy, S

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 13 Issue: 26 Pages: 4445-4467  
Published: OCT 20 1998



- 2,091. Utility of galilean symmetry in light-front perturbation theory: A nontrivial example in qcd  
By: Harindranath, A; Kundu, R  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 13 Issue: 26 Pages: 4591-4604  
Published: OCT 20 1998
- 2,092. New constraints on R-parity violation from proton stability  
By: Bhattacharyya, G; Pal, PB  
PHYSICS LETTERS B Volume: 439 Issue: 1-2 Pages: 81-84 Published: OCT 29 1998
- 2,093. SU(3) coupling schemes for odd-odd nuclei in the interacting boson-fermion-fermion model with both odd proton and odd neutron in natural parity orbits  
By: Kota, VKB; Pramanik, UD  
EUROPEAN PHYSICAL JOURNAL A Volume: 3 Issue: 3 Pages: 243-253 Published: NOV 1998
- 2,094. Structural study of iron borate glasses containing NiO and ZnO  
By: Pal, M; Chakravorty, D; Bhowmick, A  
JOURNAL OF MATERIALS RESEARCH Volume: 13 Issue: 11 Pages: 3286-3292 Published: NOV 1998
- 2,095. A number of quasiexactly solvable N-body problems  
By: Khare, A; Mandal, BP  
JOURNAL OF MATHEMATICAL PHYSICS Volume: 39 Issue: 11 Pages: 5789-5797 Published: NOV 1998
- 2,096. Microwave spectrum and barrier to internal rotation in ortho-tolunitrile  
By: Jaman, AI; Maiti, S; Nandi, RN  
JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 192 Issue: 1 Pages: 148-151 Published: NOV 1998
- 2,097. Giant dipole resonance in spectral averaging theory and analysis of experimental data for the Se-76 nucleus  
By: Majumdar, D; Kar, K; Ansari, A  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 24 Issue: 11 Pages: 2103-2109  
Published: NOV 1998
- 2,098. Multilamellar vesicular clusters of phosphatidylcholine and their sensitivity to spectrin: A study by fractal analysis  
By: Lahiri, T; Chakrabarti, A; Dasgupta, AK  
JOURNAL OF STRUCTURAL BIOLOGY Volume: 123 Issue: 3 Pages: 179-186 Published: NOV 1998
- 2,099. Measurement of the anisotropy parameters for the M X-rays of gold induced by 3-9 MeV carbon ions  
By: Mitra, D; Sarkar, M; Bhattacharya, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 145 Issue: 3 Pages: 283-287 Published: NOV 1998

2,100. Surface waves in a dusty plasma

By: Janaki, MS; Dasgupta, B

PHYSICA SCRIPTA Volume: 58 Issue: 5 Pages: 493-495 Published: NOV 1998

2,101. Large-model-space calculation of the nuclear level density parameter at finite temperature

By: Agrawal, BK; Samaddar, SK; De, JN; et al.

PHYSICAL REVIEW C Volume: 58 Issue: 5 Pages: 3004-3007 Published: NOV 1998

2,102. QCD sum rules at finite temperature

By: Mallik, S; Mukherjee, K

PHYSICAL REVIEW D Volume: 58 Issue: 9 Article Number: 096011 Published: NOV 1 1998

2,103. Optical activity of a neutrino gas

By: Mohanty, S; Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 58 Issue: 9 Article Number: 093007 Published: NOV 1 1998

2,104. Gravitational couplings of neutrinos in a medium

By: Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 58 Issue: 9 Article Number: 096005 Published: NOV 1 1998

2,105. A controller for automated and normalized data recording - Applied to measurement of line shape of spectral emission during ion beam sputtering

By: Saha, SK; Bhattacharyya, SR; Ghose, D

VACUUM Volume: 51 Issue: 3 Pages: 457-461 Published: NOV 1998

2,106. An extended pair tunneling model: studies on bilayer splitting and some superconducting state properties

By: Das, AN; Chattopadhyay, B

PHYSICA C Volume: 308 Issue: 3-4 Pages: 226-234 Published: NOV 20 1998

2,107. Comment on "Anomalous peaklike structure in the fission fragment anisotropies at sub-barrier energies in B-11, C-12, O-16, F-19+Th-232 reactions" - Reply

By: Majumdar, N; Bhattacharya, P; Biswas, DC; et al.

PHYSICAL REVIEW LETTERS Volume: 81 Issue: 21 Pages: 4778-4779 Published: NOV 23 1998

2,108. Exactly integrable family of generalized Hubbard models with twisted Yangian symmetry

By: Kundu, A

PHYSICS LETTERS A Volume: 249 Issue: 1-2 Pages: 126-132 Published: NOV 23 1998

2,109. Entropy of extremal black holes in asymptotically anti-de Sitter spacetime

By: Mitra, P

PHYSICS LETTERS B Volume: 441 Issue: 1-4 Pages: 89-95 Published: NOV 26 1998

- 2,110.Regularization and renormalization in scattering from Dirac delta potentials  
By: Mitra, I; DasGupta, A; Dutta-Roy, B  
AMERICAN JOURNAL OF PHYSICS Volume: 66 Issue: 12 Pages: 1101-1109 Published: DEC 1998
- 2,111.Interaction of the antitumor antibiotic chromomycin A(3) with glutathione, a sulfhydryl agent, and the effect upon its DNA binding properties  
By: Chakrabarti, S; Roy, P; Dasgupta, D  
BIOCHEMICAL PHARMACOLOGY Volume: 56 Issue: 11 Pages: 1471-1479 Published: DEC 1 1998
- 2,112.Kinetics of CO oxidation over Pd particles  
By: Menon, M; Khanra, BC  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 37 Issue: 12 Pages: 1070-1073 Published: DEC 1998
- 2,113.Visible radiation effects on flavocytochrome b(2) in dilute aqueous solution: a steady-state and laser flash photolysis study  
By: Bhattacharya, D; Basu, S; Mandal, PC  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 47 Issue: 2-3 Pages: 173-180 Published: DEC 1998
- 2,114.Irradiation-induced oxygen knock-out and its role in bismuth cuprate superconductors  
By: Bandyopadhyay, SK; Barat, P; Sen, P; et al.  
PHYSICAL REVIEW B Volume: 58 Issue: 22 Pages: 15135-15145 Published: DEC 1 1998
- 2,115.Twist four longitudinal structure function in light-front QCD  
By: Harindranath, A; Kundu, R; Mukherjee, A; et al.  
PHYSICAL REVIEW D Volume: 58 Issue: 11 Article Number: 114022 Published: DEC 1 1998
- 2,116.Deterministic stochastic resonance in a piecewise linear chaotic map  
By: Sinha, S; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 58 Issue: 6 Pages: 8009-8012 Part: B Published: DEC 1998
- 2,117.Surface waves in a magnetized plasma  
By: Janaki, MS; Dasgupta, B  
PHYSICS OF PLASMAS Volume: 5 Issue: 12 Pages: 4163-4168 Published: DEC 1998
- 2,118.Real time measurement of plasma position in the SINP tokamak  
By: Saha, SK; Bal, A; Kumar, R  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 69 Issue: 12 Pages: 4130-4135 Published: DEC 1998
- 2,119.Morphology of thin silver film grown by dc sputtering on Si(001)  
By: Kundu, S; Hazra, S; Banerjee, S; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 31 Issue: 23 Pages: L73-L77 Published: DEC 7 1998

2,120.4-String junction and its network

By: Lu, JX; Roy, S

PHYSICS LETTERS B Volume: 443 Issue: 1-4 Pages: 167-176 Published: DEC 10 1998

2,121.Denaturation of supercoiled DNA: a Monte Carlo study

By: Kundu, S; Lahiri, A; Thakur, AR

BIOPHYSICAL CHEMISTRY Volume: 75 Issue: 3 Pages: 177-186 Published: DEC 14 1998

2,122.Amplification or reduction of backscattering in a coherently amplifying or absorbing disordered chain

By: Sen, AK

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 261 Issue: 3-4 Pages: 340-350  
Published: DEC 15 1998

2,123.Rapid cooling of magnetized neutron stars

By: Bandyopadhyay, D; Chakrabarty, S; Dey, P; et al.

PHYSICAL REVIEW D Volume: 58 Issue: 12 Article Number: 121301 Published: DEC 15 1998

2,124.XPS and SIMS analysis of gold silicide grown on a bromine passivated Si(111) substrate

By: Sundaravel, B; Sekar, K; Kuri, G; et al.

APPLIED SURFACE SCIENCE Volume: 137 Issue: 1-4 Pages: 103-112 Published: JAN 1999

2,125.Ion temperature measurement in the edge region of SINP tokamak by a retarding field analyser

By: Raychaudhuri, S

CONTRIBUTIONS TO PLASMA PHYSICS Volume: 39 Issue: 4 Pages: 359-365 Published: 1999

2,126.Structural changes of horseradish peroxidase in presence of low concentrations of urea

By: Haque, ME; Debnath, D; Basak, S; et al.

EUROPEAN JOURNAL OF BIOCHEMISTRY Volume: 259 Issue: 1-2 Pages: 269-274 Published: JAN 1999

2,127.A split and merge procedure for polygonal border detection of dot pattern

By: Garai, G; Chaudhuri, BB

IMAGE AND VISION COMPUTING Volume: 17 Issue: 1 Pages: 75-82 Published: JAN 1999

2,128.Conducting polymers in solution - Progress toward processibility

By: Bhattacharya, A; De, A

JOURNAL OF MACROMOLECULAR SCIENCE-REVIEWS IN MACROMOLECULAR CHEMISTRY AND PHYSICS  
Volume: C39 Issue: 1 Pages: 17-56 Published: 1999

2,129.Equation of state of finite nuclei and liquid-gas phase transition

By: De, JN; Agrawal, BK; Samaddar, SK

PHYSICAL REVIEW C Volume: 59 Issue: 1 Pages: R1-R4 Published: JAN 1999

2,130.Noise reduction in chaotic time series data

By: Bhowal, A; Roy, TK

PRAMANA-JOURNAL OF PHYSICS Volume: 52 Issue: 1 Pages: 25-37 Published: JAN 1999

2,131.Separation of carrier- Tm-163,Tm-165 produced in 80 MeV O-16 irradiated Eu<sub>2</sub>O<sub>3</sub> target matrix

By: Nayak, D; Lahiri, S; Ramaswami, A; et al.

RADIOCHIMICA ACTA Volume: 87 Issue: 1-2 Pages: 75-78 Published: 1999

2,132.Separation of no-carrier added Gd-147,Gd-149 and Eu-147 produced in 70 MeV B-11 irradiated praseodymium foil target

By: Nayak, D; Lahiri, S; Ramaswami, A; et al.

RADIOCHIMICA ACTA Volume: 87 Issue: 3-4 Pages: 93-96 Published: 1999

2,133.One electron oxidation of 1,2-dihydroxy-9,10-anthraquinone and its transition metal complexes in aqueous solution: A steady-state and pulse radiolysis study

By: Das, S; Mandal, PC; Rath, MC; et al.

RESEARCH ON CHEMICAL INTERMEDIATES Volume: 25 Issue: 4 Pages: 379-391 Published: 1999

2,134.Intramolecular charge transfer in naphthalene analogues of chalcone

By: Kar, S; Aich, S; Basu, S; et al.

RESEARCH ON CHEMICAL INTERMEDIATES Volume: 25 Issue: 9 Pages: 903-913 Published: 1999

2,135.Observation of multiple-peaked structure in the time-of-flight spectrum of the Sinp-tokamak discharge

By: Ray, NR

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 70 Issue: 1 Pages: 971-973 Part: 2 Published: JAN 1999

2,136.Separation of the carrier radioisotopes of second transition series elements

By: Mukhopadhyay, B; Lahiri, S

SOLVENT EXTRACTION AND ION EXCHANGE Volume: 17 Issue: 1 Pages: 1-21 Published: 1999

2,137.Separation of the carrier radioisotopes of lanthanide series elements

By: Nayak, D; Lahiri, S

SOLVENT EXTRACTION AND ION EXCHANGE Volume: 17 Issue: 5 Pages: 1133-1154 Published: 1999

2,138.Investigation of Li-6+O-16 and Li-7+O-16 reactions at low energies

By: Mukherjee, A; Pramanik, UD; Chattopadhyay, S; et al.

NUCLEAR PHYSICS A Volume: 645 Issue: 1 Pages: 13-30 Published: JAN 4 1999

2,139.Simulation studies of adsorption-induced surface segregation in bimetallic Pd-Cu nanostructures

By: Khanra, BC; Menon, M

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 13 Issue: 1 Pages: 59-71 Published: JAN 10 1999

2,140.Higher derivative supersymmetry, a modified Crum-Darboux transformation and coherent state  
By: Bagchi, B; Ganguly, A; Bhaumik, D; et al.

MODERN PHYSICS LETTERS A Volume: 14 Issue: 1 Pages: 27-34 Published: JAN 10 1999

2,141.U-duality p-branes in diverse dimensions

By: Lu, JX; Roy, S

NUCLEAR PHYSICS B Volume: 538 Issue: 1-2 Pages: 149-183 Published: JAN 11 1999

2,142.Growth of surfaces generated by a probabilistic cellular automaton

By: Bhattacharyya, P

INTERNATIONAL JOURNAL OF MODERN PHYSICS C Volume: 10 Issue: 1 Pages: 165-181 Published: FEB 1999

2,143.An analytically solvable time-dependent Jaynes-Cummings model

By: Dasgupta, A

JOURNAL OF OPTICS B-QUANTUM AND SEMICLASSICAL OPTICS Volume: 1 Issue: 1 Pages: 14-18  
Published: FEB 1999

2,144.Isotope thermometry in nuclear multifragmentation

By: Agrawal, BK; Samaddar, SK; Sil, T; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 2 Pages: 832-840 Published: FEB 1999

2,145.Unstable particles in matter at a finite temperature: The rho and omega mesons

By: Alam, JE; Sarkar, S; Roy, P; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 2 Pages: 905-913 Published: FEB 1999

2,146.Measurement of fission excitation functions in B-11, O-16, F-19+Th-232 reactions in the extreme sub-barrier energy region

By: Nadkarni, DM; Saxena, A; Biswas, DC; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 2 Pages: R580-R584 Published: FEB 1999

2,147.Studies on the genotoxicity of endosulfan in bacterial systems

By: Chaudhuri, K; Selvaraj, S; Pal, AK

MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS Volume: 439  
Issue: 1 Pages: 63-67 Published: FEB 2 1999

2,148.Band structure of Br-79

By: Ray, I; Banerjee, P; Bhattacharya, S; et al.

NUCLEAR PHYSICS A Volume: 646 Issue: 2 Pages: 141-160 Published: FEB 8 1999

2,149.Measurement of 42 MeV Li-7 projectile breakup on Ni-58 target beyond grazing incidence

By: Gupta, D; Samanta, C; Kanungo, R; et al.

NUCLEAR PHYSICS A Volume: 646 Issue: 2 Pages: 161-174 Published: FEB 8 1999

2,150. Gap equation in scalar field theory at finite temperature

By: Mukherjee, K

MODERN PHYSICS LETTERS A Volume: 14 Issue: 4 Pages: 257-266 Published: FEB 10 1999

2,151. The effect of non-linearity on one-dimensional periodic and disordered lattices

By: Senouci, K; Zekri, N; Bahlouli, H; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 11 Issue: 7 Pages: 1823-1832 Published: FEB 22 1999

2,152. Interaction of the DNA-binding antitumor antibiotics, chromomycin and mithramycin with erythroid spectrin

By: Majee, S; Dasgupta, D; Chakrabarti, A

EUROPEAN JOURNAL OF BIOCHEMISTRY Volume: 260 Issue: 3 Pages: 619-626 Published: MAR 1999

2,153. Onset of percolation and fractal classification scheme for multilamellar lipid vesicles

By: Lahiri, T; Kar, NS; Chakrabarti, A; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 211 Issue: 1 Pages: 89-95 Published: MAR 1 1999

2,154. Construction of a new class of quantum integrable inhomogeneous models

By: Kundu, A

THEORETICAL AND MATHEMATICAL PHYSICS Volume: 118 Issue: 3 Pages: 333-340 Published: MAR 1999

2,155. Quark nuggets as baryonic dark matter

By: Alam, JE; Raha, S; Sinha, B

ASTROPHYSICAL JOURNAL Volume: 513 Issue: 2 Pages: 572-575 Part: 1 Published: MAR 10 1999

2,156. Current oscillations, interacting Hall discs and boundary CFTS

By: Balachandran, AP; Vaidya, S; Bimonte, G; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 14 Issue: 7 Pages: 1061-1085 Published: MAR 20 1999

2,157. Separation of carrier-  $Au-199$  as a beta-decay product of  $Pt-199$

By: Das, NR; Banerjee, S; Chatterjee, K; et al.

APPLIED RADIATION AND ISOTOPES Volume: 50 Issue: 4 Pages: 643-647 Published: APR 1999

2,158. Soliton solutions, Liouville integrability and gauge equivalence of Sasa Satsuma equation

By: Ghosh, S; Kundu, A; Nandy, S

JOURNAL OF MATHEMATICAL PHYSICS Volume: 40 Issue: 4 Pages: 1993-2000 Published: APR 1999

- 2,159.Extraction and separation of Ce-141 and Gd-153 with HDEHP  
By: Nayak, D; Lahiri, S  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 240 Issue: 1 Pages: 75-77  
Published: APR 1999
- 2,160.Anomalous heat capacity of smectic-C and chiral smectic-C liquid crystals above the transition point  
By: Mukherjee, PK  
PHYSICA B Volume: 262 Issue: 3-4 Pages: 336-339 Published: APR 1 1999
- 2,161.Frequency-dependent conduction in disordered composites: A percolative study  
By: Sen, AK; Gupta, AK  
PHYSICAL REVIEW B Volume: 59 Issue: 14 Pages: 9167-9173 Published: APR 1 1999
- 2,162.Co-59 NMR studies of metallic NaCo<sub>2</sub>O<sub>4</sub>  
By: Ray, R; Ghoshray, A; Ghoshray, K; et al.  
PHYSICAL REVIEW B Volume: 59 Issue: 14 Pages: 9454-9461 Published: APR 1 1999
- 2,163.Time scale of breakup of the halo nucleus Be-11  
By: Banerjee, P  
PHYSICAL REVIEW C Volume: 59 Issue: 4 Pages: 2305-2308 Published: APR 1999
- 2,164.How degenerate can cosmological neutrinos be?  
By: Pal, PB; Kar, K  
PHYSICS LETTERS B Volume: 451 Issue: 1-2 Pages: 136-139 Published: APR 1 1999
- 2,165.Dynamic transitions and hysteresis  
By: Chakrabarti, BK; Acharyya, M  
REVIEWS OF MODERN PHYSICS Volume: 71 Issue: 3 Pages: 847-859 Published: APR 1999
- 2,166.Intramolecular excited-state proton transfer and charge transfer fluorescence of a 3-hydroxyflavone derivative in micellar media  
By: Dennison, SM; Guharay, J; Sengupta, PK  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 55 Issue: 4 Pages: 903-909 Published: APR 1999
- 2,167.Modification of the bubble model for positronium atoms in high surface tension liquids  
By: Mukherjee, T; Gangopadhyay, D; Das, SK; et al.  
JOURNAL OF CHEMICAL PHYSICS Volume: 110 Issue: 14 Pages: 6844-6848 Published: APR 8 1999
- 2,168.Crystallization and preliminary X-ray analysis of ervatamin B and C, two thiol proteases from *Ervatamia coronaria*  
By: Chakrabarti, C; Biswas, S; Kundu, S; et al.



ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 55 Pages: 1074-1075 Part: 5 Published: MAY 1999

2,169. Membrane interaction of an antitumor antibiotic, mithramycin, with anionic phospholipid vesicles

By: Majee, S; Chakrabarti, A

BIOCHEMICAL PHARMACOLOGY Volume: 57 Issue: 9 Pages: 981-987 Published: MAY 1 1999

2,170. Effect of flavour oscillations on the detection of supernova neutrinos

By: Choubey, S; Majumdar, D; Kar, K

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 25 Issue: 5 Pages: 1001-1008

Published: MAY 1999

2,171. Synergistic extraction of neodymium and carrier- promethium by the mixture of HDEHP and PC88A

By: Nayak, D; Lahiri, S; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 240 Issue: 2 Pages: 555-560

Published: MAY 1999

2,172. L subshell ionisation cross section of gold by 8-15 MeV Si ions

By: Mitra, D; Sarkar, M; Bhattacharya, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 152 Issue: 2-3 Pages: 207-211 Published: MAY 1999

2,173. Coster-Kronig, fluorescence, and Auger yields of the Ag-47 L subshells measured through synchrotron photoionization

By: Jitschin, W; Stotzel, R; Papp, T; et al.

PHYSICAL REVIEW A Volume: 59 Issue: 5 Pages: 3408-3414 Published: MAY 1999

2,174. Level structure of the odd-odd Cu-62 isotope

By: Singh, AK; Gangopadhyay, G; Banerjee, D; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 5 Pages: 2440-2445 Published: MAY 1999

2,175. Collective bands in I-125

By: Sharma, H; Sethi, B; Goswami, R; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 5 Pages: 2446-2454 Published: MAY 1999

2,176. Coulomb and nuclear breakup of B-8

By: Shyam, R; Thompson, IJ

PHYSICAL REVIEW C Volume: 59 Issue: 5 Pages: 2645-2651 Published: MAY 1999

2,177.  $\omega$  meson as a chronometer and thermometer in hot and dense hadronic matter

By: Roy, P; Sarkar, S; Alam, J; et al.

PHYSICAL REVIEW C Volume: 59 Issue: 5 Pages: 2778-2781 Published: MAY 1999

2,178.Upper bounds on all R-parity-violating  $\lambda\lambda''$  combinations from proton stability  
By: Bhattacharyya, G; Pal, PB  
PHYSICAL REVIEW D Volume: 59 Issue: 9 Article Number: 097701 Published: MAY 1 1999

2,179.Nonperturbative description of deep inelastic structure functions in light-front QCD  
By: Harindranath, A; Kundu, R; Zhang, WM  
PHYSICAL REVIEW D Volume: 59 Issue: 9 Article Number: 094012 Published: MAY 1 1999

2,180.Deep inelastic structure functions in light-front QCD: Radiative corrections  
By: Harindranath, A; Kundu, R; Zhang, WM  
PHYSICAL REVIEW D Volume: 59 Issue: 9 Article Number: 094013 Published: MAY 1 1999

2,181.R-parity-violating trilinear couplings and recent neutrino data  
By: Rakshit, S; Bhattacharyya, G; Raychaudhuri, A  
PHYSICAL REVIEW D Volume: 59 Issue: 9 Article Number: 091701 Published: MAY 1 1999

2,182.Length and time scale divergences at the magnetization-reversal transition in the Ising model  
By: Stinchcombe, RB; Misra, A; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 59 Issue: 5 Pages: R4717-R4720 Part: A Published: MAY 1999

2,183.Influence of different environments on the excited-state proton transfer and dual fluorescence of fisetin  
By: Guharay, J; Dennison, SM; Sengupta, PK  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 55  
Issue: 5 Pages: 1091-1099 Published: MAY 1999

2,184.Excited-state intramolecular proton transfer (ESIPT) and charge transfer (CT) fluorescence probe for model membranes  
By: Dennison, SM; Guharay, J; Sengupta, PK  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 55  
Issue: 5 Pages: 1127-1132 Published: MAY 1999

2,185.Isotropic and anisotropic magnetic field effect on the exciplex between all-s-trans-1,6-diphenylhexa-1,3,5-triene and 1,4-dicyanobenzene  
By: Sengupta, T; Aich, S; Basu, S  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 103 Issue: 18 Pages: 3784-3790 Published: MAY 6 1999

2,186.Binding and conformation of denatured horseradish peroxidase during E-coli ribosome mediated folding  
By: Chakrabarti, A; Bera, AK; Das, B; et al.  
CURRENT SCIENCE Volume: 76 Issue: 9 Pages: 1235-1238 Published: MAY 10 1999

2,187.Pd-Ni nanoparticles: segregation and reactivity for the 1,3-butadiene hydrogenation reaction  
By: Khanra, BC; Menon, M

CHEMICAL PHYSICS LETTERS Volume: 305 Issue: 1-2 Pages: 89-93 Published: MAY 14 1999

2,188. Study of interdiffusion in thin Fe film deposited on Si(111) by x-ray reflectivity and secondary ion mass spectrometry

By: Banerjee, S; Raghavan, G; Sanyal, MK

JOURNAL OF APPLIED PHYSICS Volume: 85 Issue: 10 Pages: 7135-7139 Published: MAY 15 1999

2,189. Refined crystal structure (2.3 angstrom) of a double-headed winged bean alpha-chymotrypsin inhibitor and location of its second reactive site

By: Dattagupta, JK; Podder, A; Chakrabarti, C; et al.

PROTEINS-STRUCTURE FUNCTION AND GENETICS Volume: 35 Issue: 3 Pages: 321-331 Published: MAY 15 1999

2,190. Algebraic approach in unifying quantum integrable models

By: Kundu, A

PHYSICAL REVIEW LETTERS Volume: 82 Issue: 20 Pages: 3936-3939 Published: MAY 17 1999

2,191. Observation of large change of Be-7 decay rate in Au and Al<sub>2</sub>O<sub>3</sub> and its implications

By: Ray, A; Das, P; Saha, SK; et al.

PHYSICS LETTERS B Volume: 455 Issue: 1-4 Pages: 69-76 Published: MAY 27 1999

2,192. Effects of c-axis hopping in the interlayer tunneling model of high-T<sub>c</sub> layered cuprates

By: Chattopadhyay, B; Das, AN

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 13 Issue: 13 Pages: 1619-1632  
Published: MAY 30 1999

2,193. F-19 nuclear magnetic resonance studies of KCoFeF<sub>6</sub>: a geometrically frustrated system

By: Giri, S; Ghoshray, K; Ghoshray, A

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 11 Issue: 21 Pages: 4261-4274 Published: MAY 31 1999

2,194. Circuit model analysis of the eddy currents in the SINP tokamak

By: Saha, SK; Kumar, R

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 37 Issue: 6 Pages: 495-501 Published: JUN 1999

2,195. Ascorbic acid as an eluent for Tc-99m in Mo-99-Tc-99m generator system

By: Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 240 Issue: 3 Pages: 883-885  
Published: JUN 1999

2,196. A study of fixation of molybdenum on the crystalline zirconia

By: Dutta, NC; Bhattacharyya, DK

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 240 Issue: 3 Pages: 909-911  
Published: JUN 1999

- 2,197. Thrombin releases calcium from internal stores of ultraviolet C-treated V79 fibroblasts independent of phosphatidylinositol bisphosphate hydrolysis: Role of oxidative stress  
By: Bagchi, S; Bhaumik, G; Raha, S  
MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 196 Issue: 1-2 Pages: 23-30 Published: JUN 1999
- 2,198. Investigation of methylamine intercalated FePS3  
By: Bhowmick, A; Ganguli, S; Bhattacharya, M  
PHYSICA B Volume: 266 Issue: 4 Pages: 340-344 Published: JUN 1999
- 2,199. Influence of pairing correlations on the excitation energy, angular momentum, and parity dependence of nuclear level densities  
By: Agrawal, BK; Samaddar, SK; Ansari, A; et al.  
PHYSICAL REVIEW C Volume: 59 Issue: 6 Pages: 3109-3115 Published: JUN 1999
- 2,200. Inclusive measurements of the  $pp \rightarrow pn \pi^+$  reaction at 420 and 500 MeV  
By: Pleydon, RG; Falk, WR; Benjamintz, M; et al.  
PHYSICAL REVIEW C Volume: 59 Issue: 6 Pages: 3208-3223 Published: JUN 1999
- 2,201. Orbital angular momentum in deep inelastic scattering  
By: Harindranath, A; Kundu, R  
PHYSICAL REVIEW D Volume: 59 Issue: 11 Article Number: 116013 Published: JUN 1 1999
- 2,202. Growth mechanism of Langmuir-Blodgett films  
By: Basu, JK; Hazra, S; Sanyal, MK  
PHYSICAL REVIEW LETTERS Volume: 82 Issue: 23 Pages: 4675-4678 Published: JUN 7 1999
- 2,203. Non-universal gravitational couplings of neutrinos in matter  
By: Nieves, JF; Pal, PB  
MODERN PHYSICS LETTERS A Volume: 14 Issue: 18 Pages: 1199-1207 Published: JUN 14 1999
- 2,204. Dispersive bounds on the shape of  $\Lambda(b) \rightarrow \Lambda(b)(\nu)$  form factors  
By: Chakraverty, D; De, T; Dutta-Roy, B; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 14 Issue: 15 Pages: 2385-2395  
Published: JUN 20 1999
- 2,205. Separation of carrier- gadolinium produced in an 80 (MeV C<sup>6+</sup>)-C-12 irradiated CeO<sub>2</sub> target  
By: Nayak, D; Lahiri, S; Das, SK; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 51 Issue: 1 Pages: 1-7 Published: JUL 1999
- 2,206. Separation of carrier dysprosium and terbium isotopes from C-12(6+) irradiated Nd<sub>2</sub>O<sub>3</sub>  
By: Lahiri, S; Nayak, D; Das, SK; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 51 Issue: 1 Pages: 27-32 Published: JUL 1999

2,207. Separation of carrier (DY)-D-152,153 and Tb151-153 from O-16(7+) irradiated CeO<sub>2</sub> by liquid-liquid extraction

By: Lahiri, S; Nayak, D; Das, SK; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 241 Issue: 1 Pages: 201-206

Published: JUL 1999

2,208. Electromagnetic radiation from hot and dense hadronic matter

By: Roy, P; Sarkar, S; Alam, J; et al.

NUCLEAR PHYSICS A Volume: 653 Issue: 3 Pages: 277-300 Published: JUL 12 1999

2,209. The one body density in a finite size lattice gas model

By: Samaddar, SK; Das Gupta, S; De, JN; et al.

PHYSICS LETTERS B Volume: 459 Issue: 1-3 Pages: 8-12 Published: JUL 22 1999

2,210. Investigation of relative sputtering yields during ionoluminescence of Si

By: Bhattacharyya, SR; Brinkmann, U; Hippler, R

APPLIED SURFACE SCIENCE Volume: 150 Issue: 1-4 Pages: 107-114 Published: AUG 1999

2,211. Negligible male gene flow across ethnic boundaries in India, revealed by analysis of Y-chromosomal DNA polymorphisms

By: Bhattacharyya, NP; Basu, P; Das, M; et al.

GENOME RESEARCH Volume: 9 Issue: 8 Pages: 711-719 Published: AUG 1999

2,212. Wide-angle alpha-t coincidence measurement in the breakup of Li-7 on Al-27

By: Madhusoodhanan, T; Mandal, S; Sathyavathiamma, MP; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 8 Issue: 4 Pages: 347-354 Published: AUG 1999

2,213. Magnetic studies on Zn-substituted molybdenum ferrite

By: Roy, A; Ghose, J; Ray, A; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 202 Issue: 2-3 Pages: 359-364

Published: AUG 1999

2,214. Proton irradiation effects in Zr-1.0 Nb-1.0 Sn-0.1 Fe probed by positron annihilation

By: Mukherjee, P; Nambissan, PMG; Sen, P; et al.

JOURNAL OF NUCLEAR MATERIALS Volume: 273 Issue: 3 Pages: 338-342 Published: AUG 1 1999

2,215. Crack propagation in solids and crack-surface roughness

By: Chakrabarti, B; Chakrabarti, BK

PHYSICA A Volume: 270 Issue: 1-2 Pages: 21-26 Published: AUG 1 1999

2,216. Stick-slip statistics for two fractal surfaces: a model for earthquakes

By: Chakrabarti, BK; Stinchcombe, RB

PHYSICA A Volume: 270 Issue: 1-2 Pages: 27-34 Published: AUG 1 1999

2,217.Variation of T-c and transport properties of the Co-doped Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1-x</sub>Y<sub>x</sub>Cu<sub>2</sub>O<sub>8</sub> system  
By: Bandyopadhyay, B; Mandal, P; Ghosh, B  
PHYSICAL REVIEW B Volume: 60 Issue: 5 Pages: 3680-3685 Published: AUG 1 1999

2,218.Inhibition of calcium signaling in ultraviolet-irradiated fibroblasts: Role of tyrosine phosphorylation and protein kinase C  
By: Bagchi, S; Bhaumik, G; Raha, S  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 261 Issue: 2 Pages: 504-510 Published: AUG 2 1999

2,219.Nonorthogonal distortion function and appearance of gauge field in atomic scattering  
By: Mukherjee, M; Mukherjee, T; Ghosh, G  
PHYSICS LETTERS A Volume: 259 Issue: 1 Pages: 25-28 Published: AUG 2 1999

2,220.Predictable electrical breakdown in composites  
By: Mukherjee, CD; Bardhan, KK; Heaney, MB  
PHYSICAL REVIEW LETTERS Volume: 83 Issue: 6 Pages: 1215-1218 Published: AUG 9 1999

2,221.Dynamical transitions in network models of collective computation  
By: Sinha, S; Chakrabarti, BK  
CURRENT SCIENCE Volume: 77 Issue: 3 Pages: 420-428 Published: AUG 10 1999

2,222.Exact solution of double delta function bose gas through an interacting anyon gas  
By: Kundu, A  
PHYSICAL REVIEW LETTERS Volume: 83 Issue: 7 Pages: 1275-1278 Published: AUG 16 1999

2,223.Production and separation of carrier- Eu-146,Eu-147 from a C-12(6+) irradiated La<sub>2</sub>O<sub>3</sub> matrix  
By: Nayak, D; Lahiri, S; Ramaswami, A; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 51 Issue: 3 Pages: 261-268 Published: SEP 1999

2,224.On the inhibitory activities of a new boron compound and ultrasound against the mouse ascites tumour  
By: Sur, P; Ghosh, P; Bag, SP; et al.  
CHEMOTHERAPY Volume: 45 Issue: 5 Pages: 360-369 Published: SEP-OCT 1999

2,225.Study of alpha-transfer reaction Si-28( Li-7, t) S-32  
By: Madhusoodhanan, T; Mandal, S; Shyam, R; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 25 Issue: 9 Pages: 1897-1907  
Published: SEP 1999

2,226.Oxidation of Cu(II) aminopolycarboxylates by carbonate radical: A flash photolysis study  
By: Mandal, PC; Bardhan, DK  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 241 Issue: 3 Pages: 553-560  
Published: SEP 1999

2,227. Na-23 and Co-59 NMR studies in metallic NaCo<sub>2</sub>O<sub>4</sub>

By: Ray, R; Ghoshray, A; Ghoshray, K; et al.

PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 215 Issue: 1 Pages: 703-707 Published: SEP 1999

2,228. Coupled nonlinear Schrodinger equations with cubic-quintic nonlinearity: Integrability and soliton interaction in non-Kerr media

By: Radhakrishnan, R; Kundu, A; Lakshmanan, M

PHYSICAL REVIEW E Volume: 60 Issue: 3 Pages: 3314-3323 Published: SEP 1999

2,229. Structure of neutron-rich nuclei around A similar or equal to 100

By: Sarkar, MS

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 431-435 Published: SEP 1999

2,230. Inclusive and exclusive measurements in the projectile breakup of Li-7

By: Madhusoodhanan, T; Mandal, S; Sathyavathiamma, MP; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 541-544 Published: SEP 1999

2,231. Quasielastic reactions around the Coulomb barrier in O-16+Sn-118

By: Saha, S; Mandal, SK; Chatterjee, MB; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 553-557 Published: SEP 1999

2,232. Coupled channels calculations for O-18 and O-16 break-up reaction

By: Mandal, SK; Bhowmik, RK

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 559-562 Published: SEP 1999

2,233. Fission fragment angular distributions in O-16+Ta-181

By: Behera, BR; Roy, S; Basu, P; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 563-566 Published: SEP 1999

2,234. Breakup of B-8 and the Be-7(p, gamma)B-8 reaction

By: Shyam, R; Thompson, IJ

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 3 Pages: 595-606 Published: SEP 1999

2,235. Growth stimulation by serum in Entamoeba histolytica is associated with protein tyrosine dephosphorylation

By: Chaudhuri, S; Choudhury, N; Raha, S

FEMS MICROBIOLOGY LETTERS Volume: 178 Issue: 2 Pages: 241-249 Published: SEP 15 1999

2,236. Effects of R-parity violation on direct CP violation in B decays and extraction of gamma

By: Bhattacharyya, G; Datta, A

PHYSICAL REVIEW LETTERS Volume: 83 Issue: 12 Pages: 2300-2303 Published: SEP 20 1999

2,237. A possible mechanism of peptide bond formation on ribosome without mediation of peptidyl transferase

By: Das, GK; Bhattacharyya, D; Burma, DP

JOURNAL OF THEORETICAL BIOLOGY Volume: 200 Issue: 2 Pages: 193-205 Published: SEP 21 1999

2,238. A gluon plasma giant resonance and color-singletness at finite temperature

By: Paria, L; Abbas, A; Mustafa, MG

MODERN PHYSICS LETTERS A Volume: 14 Issue: 29 Pages: 2003-2010 Published: SEP 21 1999

2,239. Neutrino mass and magnetic moment in supersymmetry without R-parity in the light of recent data

By: Bhattacharyya, G; Klapdor-Kleingrothaus, HV; Pas, H

PHYSICS LETTERS B Volume: 463 Issue: 1 Pages: 77-82 Published: SEP 23 1999

2,240. Spectrin exhibits chaperone-like activity

By: Chakrabarti, A; Bhattacharya, S

CURRENT SCIENCE Volume: 77 Issue: 6 Pages: 812-813 Published: SEP 25 1999

2,241. Acetylation of alpha-crystallin with N-acetylimidazole and its influence upon the native aggregate and subunit reassembly

By: Pal, J; Bera, S; Ghosh, SK

CURRENT EYE RESEARCH Volume: 19 Issue: 4 Pages: 358-367 Published: OCT 1999

2,242. Electronic properties of quasiperiodic Fibonacci chain including second-neighbor hopping in the tight-binding model

By: Ghosh, A; Karmakar, SN

EUROPEAN PHYSICAL JOURNAL B Volume: 11 Issue: 4 Pages: 575-582 Published: OCT 1999

2,243. Sequence directed flexibility of DNA and the role of cross-strand hydrogen bonds

By: Bhattacharyya, D; Kundu, S; Thakur, AR; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 17 Issue: 2 Pages: 289-300  
Published: OCT 1999

2,244. Pre-equilibrium cluster angular distribution in heavy ion nuclear reactions

By: Basu, C; Ghosh, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 25 Issue: 10 Pages: 2123-2135  
Published: OCT 1999

2,245. Separation of heavy ion induced carrier europium isotopes from bulk quantity of cesium

By: Lahiri, S; Mukhopadhyay, K; Nayak, D

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 242 Issue: 1 Pages: 127-129  
Published: OCT 1999

2,246. Lifetime quenching of the fluorophore: A signature of magnetic field maximization

By: Aich, S; Basu, S

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 70 Issue: 4 Pages: 602-606 Published: OCT 1999



2,247. Role of adsorption on surface composition of Pd-Cu nanoparticles

By: Khanra, BC; Menon, M

PHYSICA B Volume: 270 Issue: 3-4 Pages: 307-312 Published: OCT 1999

2,248. Angular distribution of preequilibrium neutron emissions from heavy-ion reactions

By: Nandy, M; Ghosh, S; Sarkar, PK

PHYSICAL REVIEW C Volume: 60 Issue: 4 Article Number: 044607 Published: OCT 1999

2,249. Effect of thermal fluctuations on the first order quark-hadron phase transition

By: Agrawal, BK; Digal, S

PHYSICAL REVIEW D Volume: 60 Issue: 7 Article Number: 074007 Published: OCT 1 1999

2,250. Kaluza-Klein and H dyons in string theory

By: Roy, S

PHYSICAL REVIEW D Volume: 60 Issue: 8 Article Number: 082003 Published: OCT 15 1999

2,251. (m, n)-string-like Dp-brane bound states

By: Lu, JX; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 002 Published: OCT 28 1999

2,252. Cryocrystallography of a Kunitz-type serine protease inhibitor: the 90 K structure of winged bean chymotrypsin inhibitor (WCI) at 2.13 angstrom resolution

By: Ravichandran, S; Sen, U; Chakrabarti, C; et al.

ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY Volume: 55 Pages: 1814-1821 Part: 11 Published: NOV 1999

2,253. Polypyrrole-ferric oxide conducting nanocomposites I. Synthesis and characterization

By: Gangopadhyay, R; De, A

EUROPEAN POLYMER JOURNAL Volume: 35 Issue: 11 Pages: 1985-1992 Published: NOV 1999

2,254. Strong magnetic field in a protoneutron star

By: Pal, S; Bandyopadhyay, D; Chakrabarty, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 25 Issue: 11 Pages: L117-L123 Published: NOV 1999

2,255. Magnetic field effect on an exciplex between N-vinyl carbazole grafted on cellulose acetate film and 1,4-dicyanobenzene

By: Aich, S; Sengupta, T; Bhattacharyya, A; et al.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY Volume: 37 Issue: 21 Pages: 3910-3915 Published: NOV 1 1999

2,256. Application of radioisotopes in the field of nuclear medicine - I. Lanthanide series elements

By: Nayak, D; Lahiri, S

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 242 Issue: 2 Pages: 423-432  
Published: NOV 1999

2,257. Production of carrier Hg-192, Hg-193 and Au-192, Au-193 in O-16 irradiated tantalum target and their separation by liquid-liquid extraction

By: Lahiri, S; Banerjee, K; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 242 Issue: 2 Pages: 497-504  
Published: NOV 1999

2,258. Non-threshold (F, Dp) bound states

By: Lu, JX; Roy, S

NUCLEAR PHYSICS B Volume: 560 Issue: 1-3 Pages: 181-206 Published: NOV 1999

2,259. Pressure-dependence of proton Knight shifts: H/Ru/SiO<sub>2</sub>

By: Khanra, BC

PHYSICA B Volume: 271 Issue: 1-4 Pages: 99-103 Published: NOV 1999

2,260. Imaginary deuteron optical potential due to elastic and inelastic breakup

By: Ingemarsson, A; Shyam, R

PHYSICAL REVIEW C Volume: 60 Issue: 5 Article Number: 054615 Published: NOV 1999

2,261. Transition strength sums and quantum chaos

By: Kota, VKB; Sahu, R; Kar, K; et al.

PHYSICAL REVIEW C Volume: 60 Issue: 5 Article Number: 051306 Published: NOV 1999

2,262. Photons from Pb+Pb and S+Au collisions at ultrarelativistic energies

By: Sarkar, S; Roy, P; Alam, J; et al.

PHYSICAL REVIEW C Volume: 60 Issue: 5 Article Number: 054907 Published: NOV 1999

2,263.  $pp \rightarrow pK^+$  Lambda reaction in an effective Lagrangian model

By: Shyam, R

PHYSICAL REVIEW C Volume: 60 Issue: 5 Article Number: 055213 Published: NOV 1999

2,264. Centrifugal distortion analysis of the microwave spectrum of allyl isothiocyanate (C-gauche conformer)

By: Jaman, AI

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 5 Pages: 857-862 Published: NOV 1999

2,265. Uncatalyzed photografting of polyacrylamide from functionalized cellulosic and lignocellulosic materials

By: Gangopadhyay, R; Ghosh, P

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 74 Issue: 7 Pages: 1623-1634 Published: NOV 14 1999

2,266. Transport and magnetic properties of laser ablated La<sub>0.7</sub>Ce<sub>0.3</sub>MnO<sub>3</sub> films on LaAlO<sub>3</sub>

By: Raychaudhuri, P; Mukherjee, S; Nigam, AK; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 86 Issue: 10 Pages: 5718-5725 Published: NOV 15 1999

2,267. Faraday effect: A field theoretical point of view

By: Ganguly, AK; Konar, S; Pal, PB

PHYSICAL REVIEW D Volume: 60 Issue: 10 Article Number: 105014 Published: NOV 15 1999

2,268. Entropy of a scalar field in a (3+1)-dimensional constant curvature black hole background

By: Ghosh, K

PHYSICAL REVIEW D Volume: 60 Issue: 10 Article Number: 104003 Published: NOV 15 1999

2,269. Positron annihilation and magnetization studies of proton irradiated polycrystalline textured  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  and  $\text{Bi}_{1.84}\text{Pb}_{0.34}\text{Sr}_{1.91}\text{Ca}_{2.03}\text{Cu}_{3.06}\text{O}_{10+\delta}$  superconductors

By: Sen, P; Nambissan, PMG; Bandyopadhyay, SK; et al.

PHYSICS LETTERS A Volume: 262 Issue: 6 Pages: 469-475 Published: NOV 15 1999

2,270. Separation of carrier  $\text{Tb-151, Tb-152}$  produced in O-16 irradiated lanthanum oxide matrix

By: Nayak, D; Lahiri, S; Ramaswami, A; et al.

APPLIED RADIATION AND ISOTOPES Volume: 51 Issue: 6 Pages: 631-636 Published: DEC 1999

2,271. Hadronic modes in the quark plasma with an internal symmetry

By: Mustafa, MG; Sen, A; Paria, L

EUROPEAN PHYSICAL JOURNAL C Volume: 11 Issue: 4 Pages: 729-732 Published: DEC 1999

2,272. Solvent effects in positronium complex formation and the bubble model

By: Gangopadhyay, D; Ganguly, BN; Mukherjee, T; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 111 Issue: 21 Pages: 9687-9694 Published: DEC 1 1999

2,273. Penetration effects in the 134 keV gamma-transition in Cs-131

By: Dey, CC; Sinha, BK

NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA A-NUCLEI PARTICLES AND FIELDS Volume: 112 Issue: 12 Pages: 1519-1525 Published: DEC 1999

2,274. Particle-rotor model calculations of superdeformed bands in A=150 and 190 regions

By: Sarkar, MS

PHYSICAL REVIEW C Volume: 60 Issue: 6 Article Number: 064309 Published: DEC 1999

2,275. Particle dark matter: An overview

By: Pal, PB

PRAMANA-JOURNAL OF PHYSICS Volume: 53 Issue: 6 Pages: 1053-1059 Published: DEC 1999

2,276. Soft dipole resonance in Li-11

By: Kanungo, R; Tanihata, I; Samanta, C

PROGRESS OF THEORETICAL PHYSICS Volume: 102 Issue: 6 Pages: 1133-1149 Published: DEC 1999

- 2,277. Setup for potential bias experiments on the Saha Institute of Nuclear Physics tokamak  
By: Ghosh, J; Pal, R; Chattopadhyay, PK  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 70 Issue: 12 Pages: 4557-4561 Published: DEC 1999
- 2,278. Existence of only delocalized eigenstates in the electronic spectrum of the Thue-Morse lattice  
By: Ghosh, A; Karmakar, SN  
PHYSICA A Volume: 274 Issue: 3-4 Pages: 555-562 Published: DEC 15 1999
- 2,279. (F, D5) bound state,  $SL(2, Z)$  invariance and the descendant states in type IIB and type IIA string theory  
By: Lu, JX; Roy, S  
PHYSICAL REVIEW D Volume: 60 Issue: 12 Article Number: 126002 Published: DEC 15 1999
- 2,280. The phase diagram of an exactly solvable t-J ladder model  
By: Frahm, H; Kundu, A  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 11 Issue: 50 Pages: L557-L562 Published: DEC 20 1999
- 2,281. Nuclear structure and dynamics  
By: Shyam, R  
CURRENT SCIENCE Volume: 77 Issue: 12 Pages: 1571-1572 Published: DEC 25 1999
- 2,282. Cosmological QCD phase transition and dark matter  
By: Bhattacharyya, A; Alam, JE; Sarkar, S; et al.  
NUCLEAR PHYSICS A Volume: 661 Pages: 629C-632C Published: DEC 27 1999
- 2,283. Two-site polaron problem: A perturbation approach with variational basis states  
By: Das, AN; Chatterjee, J  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 13 Issue: 32 Pages: 3903-3914  
Published: DEC 30 1999
- 2,284. A second look at single-photon production in S+Au collisions at 200 A GeV and implications for quark-hadron phase transition  
By: Srivastava, DK; Sinha, BC  
EUROPEAN PHYSICAL JOURNAL C Volume: 12 Issue: 1 Pages: 109-112 Published: JAN 2000
- 2,285. Role of  $Mg^{2+}$  in chromomycin A(3) - DNA interaction: A molecular modeling study  
By: Chakrabarti, S; Dasgupta, D; Bhattacharyya, D  
JOURNAL OF BIOLOGICAL PHYSICS Volume: 26 Issue: 3 Pages: 203-218 Published: 2000
- 2,286. ((F, D1), D3) bound state and its T-dual daughters  
By: Lu, JX; Roy, S  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 034 Published: JAN 2000

- 2,287. Correlated random-field systems: Dissipative dynamics and phenomenological scaling  
By: Dutta, A; Stinchcombe, RB  
PHYSICAL REVIEW B Volume: 61 Issue: 1 Pages: 354-363 Published: JAN 1 2000
- 2,288. Vibrational properties of a general aperiodic Thue-Morse lattice: Role of the pseudoinvariant of the trace map  
By: Ghosh, A; Karmakar, SN  
PHYSICAL REVIEW B Volume: 61 Issue: 2 Pages: 1051-1058 Published: JAN 1 2000
- 2,289. Special issue on neutrino physics - Preface  
By: Joshipura, AS; Pal, PB  
PRAMANA-JOURNAL OF PHYSICS Volume: 54 Issue: 1 Pages: 1-1 Published: JAN 2000
- 2,290. Determination of cosmological parameters: An introduction for non-specialists  
By: Pal, PB  
PRAMANA-JOURNAL OF PHYSICS Volume: 54 Issue: 1 Pages: 79-91 Published: JAN 2000
- 2,291. Separation of carrier- cerium radionuclides from different target matrix produced by heavy ion beams  
By: Nayak, D; Lahiri, S  
RADIOCHIMICA ACTA Volume: 88 Issue: 2 Pages: 115-119 Published: 2000
- 2,292. Separation of Pt-187,Pt-188 and Ir-187,Ir-188 produced in B-11(4+) irradiated tantalum target  
By: Banerjee, K; Lahiri, S; Ramaswamy, A; et al.  
RADIOCHIMICA ACTA Volume: 88 Issue: 7 Pages: 431-434 Published: 2000
- 2,293. Mixed charge-spin response functions of an arbitrarily polarized electron gas  
By: Yarlagadda, S  
SOLID STATE COMMUNICATIONS Volume: 116 Issue: 3 Pages: 167-170 Published: 2000
- 2,294. Diamagnetic level shift of an impurity ion in a magnetized plasma  
By: Ray, D  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 33 Issue: 1 Pages: L21-L26 Published: JAN 14 2000
- 2,295. Note on the entropy of charged multi-black-holes  
By: Mitra, P  
PHYSICAL REVIEW D Volume: 61 Issue: 2 Article Number: 024028 Published: JAN 15 2000
- 2,296. Effect of smeared He-4-core in He-6+p elastic scattering  
By: Gupta, D; Samanta, C; Kanungo, R  
ACTA PHYSICA POLONICA B Volume: 31 Issue: 2 Pages: 471-477 Published: FEB 2000
- 2,297. Measurement of quadrupole moment of the 134 keV level in Cs-131

By: Dey, CC; Sinha, BK; Das, SK

EUROPEAN PHYSICAL JOURNAL A Volume: 7 Issue: 2 Pages: 177-180 Published: FEB 2000

2,298. Construction of quasi-two- and higher-dimensional quantum integrable models

By: Kundu, A

JOURNAL OF MATHEMATICAL PHYSICS Volume: 41 Issue: 2 Pages: 721-727 Published: FEB 2000

2,299. A simple technique for height calibration for z piezo with Angstrom resolution of scanning probe microscopes

By: Pal, S; Banerjee, S

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 71 Issue: 2 Pages: 589-590 Part: 1 Published: FEB 2000

2,300. Surface complementarity of buried protein residues

By: Banerjee, R; Ray, S; Bhattacharya, D

CURRENT SCIENCE Volume: 78 Issue: 3 Pages: 258-267 Published: FEB 10 2000

2,301. Serum deprivation leads to growth inhibition and protein tyrosine phosphorylation in *Entamoeba histolytica*

By: Chaudhuri, S; Choudhury, N; Raha, S

CURRENT SCIENCE Volume: 78 Issue: 3 Pages: 336-338 Published: FEB 10 2000

2,302. Comparison of perturbative expansions using different phonon bases for the two-site Holstein model

By: Chatterjee, J; Das, AN

PHYSICAL REVIEW B Volume: 61 Issue: 7 Pages: 4592-4602 Published: FEB 15 2000

2,303. Calculation of density fluctuations in the inflationary epoch

By: Kundu, A; Mallik, S; Chaudhuri, DR

PHYSICAL REVIEW D Volume: 61 Issue: 4 Article Number: 043508 Published: FEB 15 2000

2,304. Anti-Arrhenius behaviour in positronium chemistry: a Kramers' turnover?

By: Gangopadhyay, D; Ganguly, BN; Mukherjee, T; et al.

CHEMICAL PHYSICS LETTERS Volume: 318 Issue: 1-3 Pages: 161-167 Published: FEB 18 2000

2,305. Optical spectroscopic study of the effects of a single deoxyribose substitution in a ribose backbone: Implications in RNA-RNA interaction

By: Lindqvist, M; Sarkar, M; Winqvist, A; et al.

BIOCHEMISTRY Volume: 39 Issue: 7 Pages: 1693-1701 Published: FEB 22 2000

2,306. Conducting polymer nanocomposites: A brief overview

By: Gangopadhyay, R; De, A

CHEMISTRY OF MATERIALS Volume: 12 Issue: 3 Pages: 608-622 Published: MAR 2000

2,307. Reaction mechanism of Li-6 scattering at 600 MeV

By: Schwarz, K; Samanta, C; Fujiwara, M; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 7 Issue: 3 Pages: 367-375 Published: MAR 2000

2,308. Transport properties of polypyrrole-ferric oxide conducting nanocomposites

By: Gangopadhyay, R; De, A; Das, S

JOURNAL OF APPLIED PHYSICS Volume: 87 Issue: 5 Pages: 2363-2371 Published: MAR 1 2000

2,309. Polarity estimate of the hydrophobic binding sites in erythroid spectrin: A study by pyrene fluorescence

By: Haque, ME; Ray, S; Chakrabarti, A

JOURNAL OF FLUORESCENCE Volume: 10 Issue: 1 Pages: 1-6 Published: MAR 2000

2,310. The molecular evolutionary history of a winged bean alpha-chymotrypsin inhibitor and modeling of its mutations through structural analyses

By: Mukhopadhyay, D

JOURNAL OF MOLECULAR EVOLUTION Volume: 50 Issue: 3 Pages: 214-223 Published: MAR 2000

2,311. Production and separation of carrier- lutetium, ytterbium and thulium radionuclides from 75 MeV C-12(6+) irradiated terbium foil target

By: Lahiri, S; Nayak, D; Ramaswami, A; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 243 Issue: 3 Pages: 701-705 Published: MAR 2000

2,312. Experimental simulation on separation of alpha-particle induced rhenium isotopes from bulk tantalum

By: Banerjee, K; Lahiri, S; Das, NR

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 243 Issue: 3 Pages: 821-823 Published: MAR 2000

2,313. Fully nonlinear compressive ion acoustic solitary waves in a two electron temperature plasma with warm ions

By: Ghosh, SS; Iyengar, ANS

PHYSICA SCRIPTA Volume: 61 Issue: 3 Pages: 361-364 Published: MAR 2000

2,314. Nuclear fragmentation characteristics from isotopic spin dependent lattice-gas model

By: Samaddar, SK; Das Gupta, S

PHYSICAL REVIEW C Volume: 61 Issue: 3 Article Number: 034610 Published: MAR 2000

2,315. Anomalous transmission in a hierarchical lattice

By: Chakraborti, A; Bhattacharyya, B; Chakrabarti, A

PHYSICAL REVIEW B Volume: 61 Issue: 11 Pages: 7395-7401 Published: MAR 15 2000

2,316. Transverse spin in QCD and transverse polarized deep inelastic scattering

By: Harindranath, A; Mukherjee, A; Ratabole, R

PHYSICS LETTERS B Volume: 476 Issue: 3-4 Pages: 471-476 Published: MAR 16 2000

2,317. Path integral solution of noncentral potential

By: Mandal, BP

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 15 Issue: 8 Pages: 1225-1234

Published: MAR 30 2000

2,318. Separation of carrier- ytterbium and thulium produced in 80 MeV C-12(6+) irradiated gadolinium foil target by liquid-liquid extraction with HDEHP

By: Lahiri, S; Nayak, D; Ramaswami, A; et al.

APPLIED RADIATION AND ISOTOPES Volume: 52 Issue: 4 Pages: 797-802 Published: APR 2000

2,319. Microstructural characterisation of TiAl thin films grown by DC magnetron co-sputtering technique

By: Padmaprabu, C; Kuppusami, P; Terrance, ALE; et al.

MATERIALS LETTERS Volume: 43 Issue: 3 Pages: 106-113 Published: APR 2000

2,320. Neutron detector array for measurement of neutron multiplicity

By: Palit, R; Jain, HC; Joshi, PK; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 443 Issue: 2-3 Pages: 386-391 Published: APR 1 2000

2,321. U(1) chiral gauge theory with domain wall fermions and gauge fixing

By: Basak, S; De, AK

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 83-4 Pages: 615-617 Published: APR 2000

2,322. Fermion decoupling and the axial anomaly on the lattice

By: Banerjee, H; De, AK

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 83-4 Pages: 932-934 Published: APR 2000

2,323. Transport at large fields in composites

By: Nandi, UN; Mukherjee, CD; Bardhan, KK

PHYSICA B Volume: 279 Issue: 1-3 Pages: 72-74 Published: APR 2000

2,324. Impurity substitution in bismuth and thallium cuprates: suppression of T-c and estimation of pseudogap

By: Chattopadhyay, B; Bandyopadhyay, B; Poddar, A; et al.

PHYSICA C Volume: 331 Issue: 1 Pages: 38-44 Published: APR 1 2000

2,325. Critical behavior in La<sub>0.5</sub>Sr<sub>0.5</sub>CoO<sub>3</sub>

By: Mukherjee, S; Raychaudhuri, P; Nigam, AK

PHYSICAL REVIEW B Volume: 61 Issue: 13 Pages: 8651-8653 Published: APR 1 2000



- 2,326. Structure of C-19 from Coulomb dissociation studies  
By: Banerjee, P; Shyam, R  
PHYSICAL REVIEW C Volume: 61 Issue: 4 Article Number: 047301 Published: APR 2000
- 2,327. R-parity violating radiative photino decay in supersymmetric models  
By: Ghosal, A  
PHYSICAL REVIEW D Volume: 61 Issue: 7 Article Number: 075001 Published: APR 1 2000
- 2,328. Electromagnetic signals of quark gluon plasma  
By: Sinha, B  
PRAMANA-JOURNAL OF PHYSICS Volume: 54 Issue: 4 Special Issue: SI Pages: 573-587 Published: APR 2000
- 2,329. Radiation and industrial polymers  
By: Bhattacharya, A  
PROGRESS IN POLYMER SCIENCE Volume: 25 Issue: 3 Pages: 371-401 Published: APR 2000
- 2,330. Reduction of scattered bremsstrahlung in target energy dispersive system  
By: Mitra, D; Sarkar, M; Bhattacharya, D  
RADIATION PHYSICS AND CHEMISTRY Volume: 58 Issue: 2 Pages: 119-122 Published: APR 2000
- 2,331. On the structure of the Clifford algebra unitary group adapted states in the many-electron correlation problem  
By: Mukhopadhyay, A  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 77 Issue: 3 Pages: 607-614  
Published: APR 5 2000
- 2,332. Structure effects on the Coulomb dissociation of B-8 at relativistic energies  
By: Shyam, R; Bennaceur, K; Okolowicz, J; et al.  
NUCLEAR PHYSICS A Volume: 669 Issue: 1-2 Pages: 65-80 Published: APR 10 2000
- 2,333. Relics of the cosmological QCD phase transition  
By: Bhattacharyya, A; Alam, JE; Sarkar, S; et al.  
PHYSICAL REVIEW D Volume: 61 Issue: 8 Article Number: 083509 Published: APR 15 2000
- 2,334. Discrete breathers: Exact solutions in piecewise linear models  
By: Lahiri, A; Panda, S; Roy, TK  
PHYSICAL REVIEW LETTERS Volume: 84 Issue: 16 Pages: 3570-3573 Published: APR 17 2000
- 2,335. Comment on "Spin dependent hopping and colossal negative magnetoresistance in epitaxial Nd<sub>0.52</sub>Sr<sub>0.48</sub>MnO<sub>3</sub> films in fields up to 50 T"  
By: Yarlagadda, S  
PHYSICAL REVIEW LETTERS Volume: 84 Issue: 17 Pages: 4017-4017 Published: APR 24 2000
- 2,336. Effect of flavor mixing on the time delay of massive supernova neutrinos

By: Choubey, S; Kar, K

PHYSICS LETTERS B Volume: 479 Issue: 4 Pages: 402-410 Published: APR 27 2000

2,337. A reappraisal of two-mode squeezing and intermode coupling

By: Bagchi, B; Bhaumik, D

MODERN PHYSICS LETTERS A Volume: 15 Issue: 13 Pages: 825-831 Published: APR 30 2000

2,338. Fine-structure quenching and multiplet distortion in a screened Coulomb atom

By: Ray, D; Roy, TK

EUROPEAN PHYSICAL JOURNAL D Volume: 10 Issue: 2 Pages: 189-196 Published: MAY 2000

2,339. Inhibition and stimulation of growth of *Entamoeba histolytica* in culture: Association with PKC activity and protein phosphorylation

By: Chaudhuri, S; Raha, S

EXPERIMENTAL PARASITOLOGY Volume: 95 Issue: 1 Pages: 28-35 Published: MAY 2000

2,340. Oxygen induced enhancement effects in optical emissions from a FeNi target by Kr<sup>+</sup> ion bombardment

By: Agarwal, P; Bhattacharyya, SR; Ghose, D

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS

Volume: 39 Issue: 5A Pages: 2797-2798 Published: MAY 2000

2,341. Study of quinalphos (an environmental oestrogenic insecticide) formulation (Ekalux 25 EC)-induced damage of the testicular tissues and antioxidant defence systems in Sprague-Dawley albino rats

By: Debnath, D; Mandal, TK

JOURNAL OF APPLIED TOXICOLOGY Volume: 20 Issue: 3 Pages: 197-204 Published: MAY-JUN 2000

2,342. Role of copper (II) ions in OH and SO<sub>4</sub><sup>-</sup> induced damage in poly(dG-dC): a fluorimetric study

By: Chabita, K; Saha, A

RADIATION PHYSICS AND CHEMISTRY Volume: 58 Issue: 3 Pages: 245-251 Published: MAY 2000

2,343. Luminescence behaviour of 5-hydroxyindole in different environments

By: Sengupta, B; Guharay, J; Sengupta, PK

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 56

Issue: 6 Pages: 1213-1221 Published: MAY 2000

2,344. Statistical theory versus shell model in a large pf configuration space

By: Gomez, JMG; Kar, K; Manfredi, VR; et al.

PHYSICS LETTERS B Volume: 480 Issue: 3-4 Pages: 245-249 Published: MAY 11 2000

2,345. A numerical experiment in DLCQ: microcausality, continuum limit and all that

By: Chakrabarti, D; Mukherjee, A; Kundu, R; et al.

PHYSICS LETTERS B Volume: 480 Issue: 3-4 Pages: 409-417 Published: MAY 11 2000

- 2,346. Screened interaction and self-energy in an infinitesimally polarized electron gas via the Kukkonen-Overhauser method  
By: Yarlagadda, S; Giuliani, GF  
PHYSICAL REVIEW B Volume: 61 Issue: 19 Pages: 12556-12559 Published: MAY 15 2000
- 2,347. Production and separation of carrier- Eu-145, Eu-146 from a CsNO<sub>3</sub> target using a O-16 beam  
By: Lahiri, S; Nayak, D; Das, NR  
APPLIED RADIATION AND ISOTOPES Volume: 52 Issue: 6 Pages: 1393-1397 Published: JUN 2000
- 2,348. Separation of carrier- hafnium and lutetium radionuclides produced in O-16 activated terbium metal target  
By: Lahiri, S; Banerjee, K; Nayak, D; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 52 Issue: 6 Pages: 1399-1405 Published: JUN 2000
- 2,349. Analysis of CAG repeats in SCA1, SCA2, SCA3, SCA6, SCA7 and DRPLA loci in spinocerebellar ataxia patients and distribution of CAG repeats at the SCA1, SCA2 and SCA6 loci in nine ethnic populations of eastern India  
By: Basu, P; Chattopadhyay, B; Gangopadhaya, PK; et al.  
HUMAN GENETICS Volume: 106 Issue: 6 Pages: 597-604 Published: JUN 2000
- 2,350. Channel coupling effects in resonant breakup of 42 MeV Li-7 with Ni-58 target  
By: Gupta, D; Samanta, C; Chatterjee, A; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 26 Issue: 6 Pages: L81-L86 Published: JUN 2000
- 2,351. Unconventional features of oxide HTSC from positron annihilation measurements  
By: Sanyal, D; Nambissan, PMG; Wolf, T; et al.  
PHYSICA B Volume: 281 Pages: 928-930 Published: JUN 2000
- 2,352. Role of interfacial correlation in melting of Langmuir-Blodgett films  
By: Basu, JK; Sanyal, MK; Banerjee, S; et al.  
PHYSICA B-CONDENSED MATTER Volume: 283 Issue: 1-3 Pages: 6-11 Published: JUN 2000
- 2,353. Temperature and doping dependence of the thermopower in LaMnO<sub>3</sub>  
By: Mandal, P  
PHYSICAL REVIEW B Volume: 61 Issue: 21 Pages: 14675-14680 Published: JUN 1 2000
- 2,354. Rho parameters from odd and even chirality, thermal QCD sum rules  
By: Mallik, S; Mukherjee, K  
PHYSICAL REVIEW D Volume: 61 Issue: 11 Article Number: 116007 Published: JUN 1 2000
- 2,355. Concepts in computation of preequilibrium neutron emission from heavy ion reactions  
By: Sarkar, PK; Nandy, M  
PHYSICAL REVIEW E Volume: 61 Issue: 6 Pages: 7161-7168 Part: B Published: JUN 2000

- 2,356. Positron annihilation in liquids and complex formation  
By: Ganguly, BN  
RADIATION PHYSICS AND CHEMISTRY Volume: 58 Issue: 5-6 Pages: 675-680 Published: JUN 2000
- 2,357. Characterization of the fluorescence emission properties of prodan in different reverse micellar environments  
By: Sengupta, B; Guharay, J; Sengupta, PK  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 56  
Issue: 7 Pages: 1433-1441 Published: JUN 2000
- 2,358. Oscillation effects on neutrinos from the early phase of a nearby supernova  
By: Majumdar, D; Raychaudhuri, A; Kar, K; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 15 Issue: 14 Pages: 2105-2120  
Published: JUN 10 2000
- 2,359. Mean-field and Monte Carlo studies of the magnetization-reversal transition in the Ising model  
By: Misra, A; Chakrabarti, BK  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 33 Issue: 23 Pages: 4249-4264  
Published: JUN 16 2000
- 2,360. EPR spectra of  $\text{CuIr}_2\text{S}_4$   
By: Kang, H; Barner, K; Rager, H; et al.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 306 Issue: 1-2 Pages: 6-10 Published: JUN 23  
2000
- 2,361. Surface physics at Saha Institute  
By: Banerjee, S; Bhattacharyya, SR; Chakraborty, P; et al.  
CURRENT SCIENCE Volume: 78 Issue: 12 Pages: 1507-1510 Published: JUN 25 2000
- 2,362. Status of the neutrino decay solution to the solar neutrino problem  
By: Choubey, S; Goswami, S; Majumdar, D  
PHYSICS LETTERS B Volume: 484 Issue: 1-2 Pages: 73-78 Published: JUN 29 2000
- 2,363. Spatial distribution of atoms in gas-covered Pd-X nanoparticles (X = Ag, Cu, Ni, Pt)  
By: Menon, M; Khanra, BC  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 14 Issue: 16 Pages: 1683-1692  
Published: JUN 30 2000
- 2,364. Burst dynamics during drainage displacements in porous media: Simulations and experiments  
By: Aker, E; Maloy, KJ; Hansen, A; et al.  
EUROPHYSICS LETTERS Volume: 51 Issue: 1 Pages: 55-61 Published: JUL 2000
- 2,365. A superspace formulation of an "asymptotic"  $\text{OSp}(3,1 \text{ vertical bar } 2)$  invariance of Yang-Mills theories  
By: Joglekar, SD; Mandal, BP

JOURNAL OF MATHEMATICAL PHYSICS Volume: 41 Issue: 7 Pages: 4464-4477 Published: JUL 2000

2,366. Light front quantum chromodynamics: Towards phenomenology

By: Harindranath, A

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 241-245

Published: JUL-AUG 2000

2,367. Beyond the standard model: Working group report

By: Bhattacharyya, G; Raychaudhuri, A

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 307-313

Published: JUL-AUG 2000

2,368. A parametrization for vacuum mixing matrix in four generations

By: Choubey, S; Dutta, G; Goswami, S; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 321-322

Published: JUL-AUG 2000

2,369.  $\nu_e$  decay solution to solar neutrino problem

By: Choubey, S; Goswami, S; Mazumdar, D

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 322-322

Published: JUL-AUG 2000

2,370. Quantum chromodynamics: Working group report

By: Gupta, S; Indumathi, D; Banerjee, S; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 327-333

Published: JUL-AUG 2000

2,371. B and collider physics: Working group report

By: Choudhury, D; Sinha, R; Arunagiri, S; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 335-345

Published: JUL-AUG 2000

2,372. Discussion on a possible neutrino detector located in India

By: Murthy, MVN; Yajnik, UA; Balaji, KRS; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Special Issue: SI Pages: 347-355

Published: JUL-AUG 2000

2,373. Radiation induced modification of tryptophan and tyrosine residues in flavocytochrome b(2) in dilute aqueous solution

By: Bhattacharya, D; Saha, A; Mandal, PC

RADIATION PHYSICS AND CHEMISTRY Volume: 59 Issue: 1 Pages: 71-80 Published: JUL 2000

2,374. Consistent analysis of proton elastic scattering from He-4, He-6, He-8 and Li-6, Li-7, Li-9, Li-11 in the energy range of 25-75 A MeV

By: Gupta, D; Samanta, C; Kanungo, R

NUCLEAR PHYSICS A Volume: 674 Issue: 1-2 Pages: 77-94 Published: JUL 3 2000

2,375. Target-projectile symmetry effects on fast light-particle emissions in heavy ion reactions

By: Basu, C; Ghosh, S

PHYSICS LETTERS B Volume: 484 Issue: 3-4 Pages: 218-222 Published: JUL 6 2000

2,376. Antikaon condensation in neutron stars

By: Pal, S; Bandyopadhyay, D; Greiner, W

NUCLEAR PHYSICS A Volume: 674 Issue: 3-4 Pages: 553-577 Published: JUL 17 2000

2,377. (p+1)-dimensional noncommutative Yang-Mills and D(p-2) branes

By: Lu, JX; Roy, S

NUCLEAR PHYSICS B Volume: 579 Issue: 1-2 Pages: 229-249 Published: JUL 17 2000

2,378. Guest molecules in Triton X-100 microemulsion: studied by positron annihilation technique and absorption spectroscopy

By: Das, SK; Ganguly, BN

COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 168 Issue: 1

Pages: 53-60 Published: JUL 31 2000

2,379. The travelling salesman problem on randomly diluted lattices: Results for small-size systems

By: Chakraborti, A; Chakrabarti, BK

EUROPEAN PHYSICAL JOURNAL B Volume: 16 Issue: 4 Pages: 677-680 Published: AUG 2000

2,380. Uncatalysed photografting of poly(methyl methacrylate) from photofunctionalised sisal fibre

By: Gangopadhyay, R; Ghosh, P

EUROPEAN POLYMER JOURNAL Volume: 36 Issue: 8 Pages: 1597-1606 Published: AUG 2000

2,381. Effect of neighboring bases on base-pair stacking orientation: A molecular dynamics study

By: Bandyopadhyay, D; Bhattacharyya, D

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 18 Issue: 1 Pages: 29-43

Published: AUG 2000

2,382. Microwave spectrum and conformation in 2-fluorophenylisothiocyanate

By: Chakrabarti, S; Jaman, AI

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 202 Issue: 2 Pages: 223-228 Published: AUG

2000

2,383. Algebraic construction of quantum integrable models including inhomogeneous models

By: Kundu, A

REPORTS ON MATHEMATICAL PHYSICS Volume: 46 Issue: 1-2 Pages: 125-136 Published: AUG-OCT

2000

2,384. Supersymmetric configurations in Euclidean dman-Schwarz model

By: Mahapatra, S; Singh, H

PHYSICS LETTERS B Volume: 486 Issue: 3-4 Pages: 322-328 Published: AUG 3 2000

2,385. Probing the site-specific annihilation of positrons in a nanocomposite medium by 2-detector Doppler broadening measurements

By: Nambissan, PMG; Sen, P

PHYSICS LETTERS A Volume: 272 Issue: 5-6 Pages: 412-415 Published: AUG 7 2000

2,386. Charged black holes in asymptotically anti-de Sitter spacetime

By: Mitra, P

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 14 Issue: 19-20 Pages: 1953-1966

Published: AUG 10 2000

2,387. Projectile structure effects in the Coulomb breakup of one-neutron halo nuclei

By: Chatterjee, R; Banerjee, P; Shyam, R

NUCLEAR PHYSICS A Volume: 675 Issue: 3-4 Pages: 477-502 Published: AUG 14 2000

2,388. Gauge independence of the limiting cases of the one-loop electron dispersion relation in high-temperature QED

By: Mitra, I

PHYSICAL REVIEW D Volume: 62 Issue: 4 Pages: art. no.-045023 Published: AUG 15 2000

2,389. tert-butyl N-{2-[N-(N'-dicyclohexylureidocarbonyl)ethyl]carbamoyl}prop-2-yl}carbamate

By: Banerjee, R; Maji, SK; Banerjee, A

ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS Volume: 56 Pages: 1120-1121 Part: 9 Published: SEP 2000

2,390. Is neutrino decay really ruled out as a solution to the atmospheric neutrino problem from Super-Kamiokande data?

By: Choubey, S; Goswami, S

ASTROPARTICLE PHYSICS Volume: 14 Issue: 2 Pages: 67-78 Published: SEP 2000

2,391. Biochemical, haematological and histopathological study in relation to time-related cadmium-induced hepatotoxicity in mice

By: Karmakar, R; Bhattacharya, R; Chatterjee, M

BIOMETALS Volume: 13 Issue: 3 Pages: 231-239 Published: SEP 2000

2,392. Analysis of CAG and CCG repeats in Huntingtin gene among HD patients and normal populations of India

By: Pramanik, S; Basu, P; Gangopadhaya, PK; et al.

EUROPEAN JOURNAL OF HUMAN GENETICS Volume: 8 Issue: 9 Pages: 678-682 Published: SEP 2000

2,393. Statistical mechanics of money: how saving propensity affects its distribution

By: Chakraborti, A; Chakraborti, BK

EUROPEAN PHYSICAL JOURNAL B Volume: 17 Issue: 1 Pages: 167-170 Published: SEP 2000

2,394. ((F, D1), D3) bound state, S-duality and non-commutative open String/Yang-Mills theory  
By: Lu, JX; Roy, S; Singh, H  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 020 Published: SEP 2000

2,395. Field cooled coercivity in  $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$   
By: Mukherjee, S; Ranganathan, R; Mondal, P  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 61 Issue: 9 Pages: 1433-1438  
Published: SEP 2000

2,396. Adsorption-introduced MC simulation technique for segregation studies in Pd-Ag nanoparticles  
By: Khanra, BC; Menon, M  
PHYSICA B Volume: 291 Issue: 3-4 Pages: 368-372 Published: SEP 2000

2,397. Influence of a dense plasma on the fine-structure levels of a hydrogenic ion  
By: Ray, D  
PHYSICAL REVIEW E Volume: 62 Issue: 3 Pages: 4126-4130 Part: B Published: SEP 2000

2,398. Simultaneous measurements of plasma parameters in the Saha Institute of Nuclear Physics Tokamak using a new low cost optoisolator  
By: Ghosh, J; Chattopadhyay, PK; Pal, R; et al.  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 71 Issue: 9 Pages: 3377-3381 Published: SEP 2000

2,399. The longitudinal susceptibility of an XY spin-chain  
By: Chatterjee, I  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 12 Issue: 35 Pages: L563-L567 Published: SEP 4 2000

2,400. First excited state calculation using different phonon bases for the two-site Holstein model  
By: Chatterjee, J; Das, AN  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 14 Issue: 24 Pages: 2577-2586  
Published: SEP 30 2000

2,401. Level structure of odd-odd Ga-68  
By: Singh, AK; Gangopadhyay, G; Banerjee, D; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 9 Issue: 2 Pages: 197-200 Published: OCT 2000

2,402. Separation of carrier- holmium and dysprosium produced in 70 MeV B-11(5+) irradiated europium target by liquid-liquid extraction with HDEHP  
By: Nayak, D; Lahiri, S; Ramaswami, A; et al.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 39 Issue: 10 Pages: 1061-1065 Published: OCT 2000

2,403. Role of  $\text{Mg}^{2+}$  in the interaction of anticancer antibiotic, chromomycin A(3) with DNA: Does neutral antibiotic bind DNA in absence of the metal ion?



By: Chakrabarti, S; Aich, P; Sarker, D; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 18 Issue: 2 Pages: 209-218  
Published: OCT 2000

2,404. Nuclear symmetry energy in the presence of hyperons in the non-relativistic Thomas-Fermi approximation

By: Banik, S; Bandyopadhyay, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 26 Issue: 10 Pages: 1495-1505  
Published: OCT 2000

2,405. Nuclear shape transition at finite temperature in a relativistic mean field approach

By: Agrawal, BK; Sil, T; De, JN; et al.

PHYSICAL REVIEW C Volume: 62 Issue: 4 Article Number: 044307 Published: OCT 2000

2,406. Interfacial diffusion in a double quantum well structure

By: Sarkar, S; Chakraborty, P; Sanyal, MK; et al.

SURFACE AND INTERFACE ANALYSIS Volume: 29 Issue: 10 Pages: 659-662 Published: OCT 2000

2,407. Structure of positive-parity yrast band in Br-80

By: Ray, I; Banerjee, P; Bhattacharya, S; et al.

NUCLEAR PHYSICS A Volume: 678 Issue: 3 Pages: 258-274 Published: OCT 9 2000

2,408. Influence of reverse micellar environments on the fluorescence emission properties of tryptophan octyl ester

By: Sengupta, B; Sengupta, PK

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 277 Issue: 1 Pages: 13-19  
Published: OCT 14 2000

2,409. Exact solution to the Calogero model with competing long-range interactions

By: Basu-Mallick, B; Kundu, A

PHYSICAL REVIEW B Volume: 62 Issue: 15 Pages: 9927-9930 Published: OCT 15 2000

2,410. X-ray scattering and atomic force microscopy study of melting of Langmuir-Blodgett films

By: Basu, JK; Sanyal, MK; Mukherjee, M; et al.

PHYSICAL REVIEW B Volume: 62 Issue: 16 Pages: 11109-11117 Published: OCT 15 2000

2,411. Structure of Mo-96 at high spins

By: Chatterjee, JM; Saha-Sarkar, M; Bhattacharya, S; et al.

NUCLEAR PHYSICS A Volume: 678 Issue: 4 Pages: 367-381 Published: OCT 23 2000

2,412. Nucleation theory and the phase diagram of the magnetization-reversal transition

By: Misra, A; Chakrabarti, BK

EUROPHYSICS LETTERS Volume: 52 Issue: 3 Pages: 311-317 Published: NOV 2000

2,413. Cosmological constraints on R-parity violation from neutrino decay

By: Bhattacharyya, G; Rakshit, S; Raychaudhuri, A

PHYSICAL REVIEW D Volume: 62 Issue: 9 Article Number: 093007 Published: NOV 1 2000

2,414. Observation of floating potential asymmetry in the edge plasma of the SINP tokamak

By: Bhattacharyya, K; Ray, NR

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 5-6 Special Issue: SI Pages: 707-712

Published: NOV-DEC 2000

2,415. Measurement of temperature fluctuations and anomalous transport in the SINP tokamak

By: Kumar, R; Saha, SK

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 5-6 Special Issue: SI Pages: 713-718

Published: NOV-DEC 2000

2,416. Runaway electrons in the SINP tokamak

By: Narayanan, R; Iyengar, ANS; Pal, R

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 5-6 Special Issue: SI Pages: 719-725

Published: NOV-DEC 2000

2,417. Minimum dissipative relaxed states in toroidal plasmas

By: Bhattacharyya, R; Janaki, MS; Dasgupta, B

PRAMANA-JOURNAL OF PHYSICS Volume: 55 Issue: 5-6 Special Issue: SI Pages: 947-952

Published: NOV-DEC 2000

2,418. Large CP violation in radiative B decays in supersymmetry without R-parity

By: Bhattacharyya, G; Chang, D; Chou, CH; et al.

PHYSICS LETTERS B Volume: 493 Issue: 1-2 Pages: 113-119 Published: NOV 9 2000

2,419. Action with manifest duality for maximally supersymmetric six-dimensional supergravity

By: De Pol, G; Tonin, M; Singh, H

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 15 Issue: 28 Pages: 4447-4462

Published: NOV 10 2000

2,420. Compactification near and on the light front

By: Harindranath, A; Martinovic, L; Vary, JP

PHYSICAL REVIEW D Volume: 62 Issue: 10 Article Number: 105015 Published: NOV 15 2000

2,421. Magnetic transition and polaron crossover in a two-site single polaron model including double exchange interaction

By: Chatterjee, J; Mitra, M; Das, AN

EUROPEAN PHYSICAL JOURNAL B Volume: 18 Issue: 4 Pages: 573-578 Published: DEC 2000

2,422. Studies on the genotoxicity of tumeric extracts in bacterial system

By: Pal, A; Pal, AK

INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS Volume: 16 Issue: 4 Pages: 415-417

Published: DEC 2000

- 2,423. UV radiation effects on flavocytochrome b(2) in dilute aqueous solution  
By: Bhattacharya, D; Basu, S; Mandal, PC  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 59 Issue: 1-3 Pages: 54-63 Published: DEC 2000
- 2,424. A field theoretic investigation of spin in QCD  
By: Mukherjee, A  
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 90 Pages: 31-33 Published: DEC 2000
- 2,425. Probing single-crystalline YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> across the superconducting transition temperature by positron annihilation measurements  
By: De, UY; Sanyal, D; Chaudhuri, S; et al.  
PHYSICAL REVIEW B Volume: 62 Issue: 21 Pages: 14519-14523 Published: DEC 1 2000
- 2,426. Colossal magnetoresistance using the small polaron picture with finite bandwidth effects  
By: Yarlagadda, S  
PHYSICAL REVIEW B Volume: 62 Issue: 22 Pages: 14828-14836 Published: DEC 1 2000
- 2,427. E1-E2 interference in the Coulomb dissociation of B-8  
By: Banerjee, P; Shyam, R  
PHYSICAL REVIEW C Volume: 62 Issue: 6 Article Number: 065804 Published: DEC 2000
- 2,428. Tokamak, reversed field pinch and intermediate structures as minimum-dissipative relaxed states  
By: Bhattacharyya, R; Janaki, MS; Dasgupta, B  
PHYSICS OF PLASMAS Volume: 7 Issue: 12 Pages: 4801-4804 Published: DEC 2000
- 2,429. Analysis of spiky net toroidal current in the magnetized toroidal plasma from the point of view of helicity conservation  
By: Ray, NR; Bhattacharya, K  
PLASMA PHYSICS AND CONTROLLED FUSION Volume: 42 Issue: 12 Pages: 1321-1329 Published: DEC 2000
- 2,430. Electromagnetic duality on the light-front in the presence of external sources  
By: Mukherjee, A; Bhattacharya, S  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 15 Issue: 30 Pages: 4739-4748 Published: DEC 10 2000
- 2,431. Thermal photons and lepton pairs from quark gluon plasma and hot hadronic matter  
By: Alam, J; Sarkar, S; Roy, P; et al.  
ANNALS OF PHYSICS Volume: 286 Issue: 2 Pages: 159-248 Published: DEC 15 2000
- 2,432. Calculation of excitation functions of nuclides produced in proton induced reactions on Si-Nat  
By: Nandy, M; Sarkar, PK

APPLIED RADIATION AND ISOTOPES Volume: 54 Issue: 1 Pages: 101-111 Published: JAN 2001

2,433. Structural basis of DNA recognition by anticancer antibiotics, chromomycin A(3), and mithramycin: Roles of minor groove width and ligand flexibility

By: Chakrabarti, S; Bhattacharyya, D; Dasgupta, D

BIOPOLYMERS Volume: 56 Issue: 2 Pages: 85-95 Published: 2001

2,434. Differential interactions of antitumor antibiotics chromomycin A(3) and mithramycin with d(TATGCATA)(2) in presence of Mg<sup>2+</sup>

By: Chakrabarti, S; Mir, MA; Dasgupta, D

BIOPOLYMERS Volume: 62 Issue: 3 Pages: 131-140 Published: 2001

2,435. 1 alpha,25-dihydroxyvitamin D-3 inhibits rat liver ultrastructural changes in diethylnitrosamine-initiated and phenobarbital promoted rat hepatocarcinogenesis

By: Basak, R; Bhattacharya, R; Chatterjee, M

JOURNAL OF CELLULAR BIOCHEMISTRY Volume: 81 Issue: 2 Pages: 357-367 Published: 2001

2,436. Magnetic ordering in Fe<sub>2-x</sub>Zn<sub>x</sub>MoO<sub>4</sub>(X=0.1-1) spinel

By: Ray, A; Bhowmik, RN; Ranganathan, R; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 223 Issue: 1 Pages: 39-49  
Published: JAN 2001

2,437. Orientational order parameter as a function of temperature of cyanocyclohexyl cyclohexanes

By: Bhowmick, K; Mukhopadhyay, A; Mukherjee, CD

MOLECULAR CRYSTALS AND LIQUID CRYSTALS Volume: 366 Pages: 2081-+ Published: 2001

2,438. Structural distortions and extension of superconducting region in the T-c-p phase diagram of HgBa<sub>2</sub>CuO<sub>4+delta</sub>

By: Bandyopadhyay, B; Chattopadhyay, B; Das, AN; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 349 Issue: 1-2 Pages: 119-124  
Published: JAN 1 2001

2,439. Structure of the exotic nucleus B-34 in the ground state

By: Chatterjee, R; Banerjee, P

PHYSICAL REVIEW C Volume: 63 Issue: 1 Article Number: 017303 Published: JAN 2001

2,440. Microcanonical lattice gas model for nuclear disassembly

By: Das, CB; Das Gupta, S; Samaddar, SK

PHYSICAL REVIEW C Volume: 63 Issue: 1 Article Number: 011602 Published: JAN 2001

2,441. Breakup vs fusion inhibition of Li-induced reactions at low energies

By: Mukherjee, A; Dasmahapatra, B

PHYSICAL REVIEW C Volume: 63 Issue: 1 Article Number: 017604 Published: JAN 2001

2,442. Experimental evidence for coexisting structures in I-125

By: Sharma, H; Sethi, B; Banerjee, P; et al.

PHYSICAL REVIEW C Volume: 63 Issue: 1 Article Number: 014313 Published: JAN 2001

2,443. Can R-parity violation explain the LSND data as well? art. no. 017701

By: Abada, A; Bhattacharyya, G

PHYSICAL REVIEW D Volume: 63 Issue: 1 Article Number: 017701 Published: JAN 1 2001

2,444. Solar neutrino rates, spectrum, and its moments: An MSW analysis in the light of Super-Kamiokande results

By: Goswami, S; Majumdar, D; Raychaudhuri, A

PHYSICAL REVIEW D Volume: 63 Issue: 1 Article Number: 013003 Published: JAN 1 2001

2,445. Positive and negative magnetoresistance in mixed superexchange - Double exchange systems

By: Barner, K; Mandal, P; Kattwinkel, A; et al.

PHYSICS OF METALS AND METALLOGRAPHY Volume: 91 Supplement: 1 Pages: S164-S167

Published: 2001

2,446. Role of transverse velocity-shear on collisional drift-wave instability in magnetized plasmas

By: Chakrabarti, N

PHYSICS OF PLASMAS Volume: 8 Issue: 1 Pages: 97-102 Published: JAN 2001

2,447. Simon-Glatzel transformation of over-pressurised helium bubbles in aluminium as seen by positrons

By: Maji, S; Singh, A; Nambissan, PMG

POSITRON ANNIHILATION - ICPA-12 Book Series: Materials Science Forum Volume: 363-3 Pages: 97-99 Published: 2001

2,448. Reactions of the OH adducts of cytosine and its derivatives with TEMPO and TEMPOL: A steady state gamma-radiolysis and pulse radiolysis study

By: Chabita, K; Mandal, PC; Mahal, HS; et al.

RESEARCH ON CHEMICAL INTERMEDIATES Volume: 27 Issue: 6 Pages: 579-593 Published: 2001

2,449. 5-hydroxyindole: usefulness as a novel optical probe

By: Sengupta, B; Guharay, J; Sengupta, PK

JOURNAL OF MOLECULAR STRUCTURE Volume: 559 Issue: 1-3 Pages: 347-353 Published: JAN 7 2001

2,450. Interplay of orbital ordering and exchange interaction in V<sub>2</sub>O<sub>3</sub>

By: Chatterjee, I

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 1 Pages: 109-114 Published: JAN 8 2001

2,451. Helium-dislocation interaction in aluminium

By: Singh, A; Maji, S; Nambissan, PMG

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 1 Pages: 177-187 Published: JAN 8 2001

2,452. Generation of phase-modulated periodic optical signals by use of a polarization interferometer  
By: Bhattacharya, K

APPLIED OPTICS Volume: 40 Issue: 2 Pages: 261-267 Published: JAN 10 2001

2,453. Finite temperature meson correlation functions in HTL approximation

By: Karsch, F; Mustafa, MG; Thoma, MH

PHYSICS LETTERS B Volume: 497 Issue: 3-4 Pages: 249-258 Published: JAN 11 2001

2,454. Interaction of antitumor drug, mithramycin, with chromatin

By: Mir, MA; Dasgupta, D

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 280 Issue: 1 Pages: 68-74  
Published: JAN 12 2001

2,455. Statistical entropy of Schwarzschild black strings and black holes

By: Das, S; Ghosh, A; Mitra, P

PHYSICAL REVIEW D Volume: 63 Issue: 2 Article Number: 024023 Published: JAN 15 2001

2,456. Magnetocaloric and magnetoresistance studies of GdPd<sub>2</sub>Si

By: Rawat, R; Das, I

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 3 Pages: L57-L63 Published: JAN 22 2001

2,457. Exact solution of a many body problem with nearest and next-nearest neighbour interactions

By: Basu-Mallick, B; Kundu, A

PHYSICS LETTERS A Volume: 279 Issue: 1-2 Pages: 29-32 Published: JAN 22 2001

2,458. Alternative methods for the production of carrier- Ga-66, Ga-67

By: Nayak, D; Lahiri, S

APPLIED RADIATION AND ISOTOPES Volume: 54 Issue: 2 Pages: 189-193 Published: FEB 2001

2,459. Multitracer techniques: applications in chemical and life sciences

By: Nayak, D

APPLIED RADIATION AND ISOTOPES Volume: 54 Issue: 2 Pages: 195-202 Published: FEB 2001

2,460. Redistribution of Ni implanted into InP

By: Chini, TK; Ghose, SK; Rout, B; et al.

EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 13 Issue: 2 Pages: 83-87 Published: FEB 2001

2,461. Structural basis of DNA flexibility

By: Bhattacharyya, D; Majumdar, R

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 16-19 Published:  
FEB-APR 2001

2,462. In vitro and in vivo inhibition of telomerase activity from Chinese hamster V79 cells

By: Pandit, B; Bhattacharyya, NP

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 42-47 Published:  
FEB-APR 2001

2,463. Peptidyl transferase activity of tRNA: A quantum chemical study

By: Bhattacharyya, D; Das, GK; Burma, DP

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 48-52 Published:  
FEB-APR 2001

2,464. Effect of myo-inositol(1,4,5)trisphosphate on the hydrolysis of phytic acid by phytase

By: Padmanabhan, U; Dasgupta, S; Biswas, BB; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 53-55 Published:  
FEB-APR 2001

2,465. Interactions of chromomycin A(3) and mithramycin with the sequence d(TAGCTAGCTA)(2)

By: Chakrabarti, S; Dasgupta, D

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 64-70 Published:  
FEB-APR 2001

2,466. Interaction of mithramycin with chromatin

By: Mir, MA; Dasgupta, D

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 71-74 Published:  
FEB-APR 2001

2,467. Probing the nucleotide binding sites in T7 RNA polymerase using cibacron blue

By: Das, M; Dasgupta, D

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 78-83 Published:  
FEB-APR 2001

2,468. Structural perturbation of proteins in low denaturant concentrations

By: Basak, S; Debnath, D; Haque, E; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 1-2 Pages: 84-89 Published:  
FEB-APR 2001

2,469. Nucleosomal positioning and genetic divergence study based on DNA flexibility map

By: Kundu, S; Bhattacharya, D; Thakur, AR; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 18 Issue: 4 Pages: 527-533  
Published: FEB 2001

2,470. OM theory and V-duality

By: Cai, RG; Ohta, N; Lu, JX; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 024 Published: FEB 2001

2,471. (NS5,Dp) and (NS5,D(p+2),Dp) bound states of type-IIB and type-IIA string theories

By: Mitra, I; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 026 Published: FEB 2001

2,472. Construction of variable mass sine-Gordon and other novel inhomogeneous quantum integrable models

By: Kundu, A

JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS Volume: 8 Supplement: S Pages: 178-182

Published: FEB 2001

2,473. Positive and negative magnetoresistance in mixed superexchange-double exchange systems

By: Barner, K; Mandal, P; von Helmolt, R

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 223 Issue: 3 Pages: 811-820

Published: FEB 2001

2,474. Polymorphic bcc to fcc transformation of nanocrystalline niobium studied by positron annihilation

By: Chattopadhyay, PP; Nambissan, PMG; Pabi, SK; et al.

PHYSICAL REVIEW B Volume: 63 Issue: 5 Article Number: 054107 Published: FEB 1 2001

2,475. Frequency dependent response of a Thue-Morse aperiodic lattice

By: Chattopadhyay, S; Ghosh, A; Chakrabarti, A

PHYSICAL REVIEW B Volume: 63 Issue: 6 Article Number: 064201 Published: FEB 1 2001

2,476. Shape transition in some rare-earth nuclei in relativistic mean field theory

By: Agrawal, BK; Sil, T; Samaddar, SK; et al.

PHYSICAL REVIEW C Volume: 63 Issue: 2 Article Number: 024002 Published: FEB 2001

2,477. Photons from Pb-Pb collisions at ultrarelativistic energies

By: Alam, JE; Sarkar, S; Hatsuda, T; et al.

PHYSICAL REVIEW C Volume: 63 Issue: 2 Article Number: 021901 Published: FEB 2001

2,478. Role of  $N^*(1650)$  in the near threshold  $pp \rightarrow p \Lambda K^+$  and  $pp \rightarrow p \Sigma K^0(+)$  reactions

By: Shyam, R; Penner, G; Mosel, U

PHYSICAL REVIEW C Volume: 63 Issue: 2 Article Number: 022202 Published: FEB 2001

2,479. Atomic diamagnetism within a dense plasma

By: Ray, D

PHYSICAL REVIEW E Volume: 63 Issue: 2 Article Number: 027401 Part: 2 Published: FEB 2001

2,480. Quantum mechanics for two-timers

By: Mitra, P



PRAMANA-JOURNAL OF PHYSICS Volume: 56 Issue: 2-3 Special Issue: SI Pages: 217-221  
Published: FEB-MAR 2001

2,481. Friction-induced microstructure growth

By: Pal, S; Banerjee, S

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 3 Pages: 253-256 Published: FEB 7  
2001

2,482.  $SL(2, Z)$  duality and 4-dimensional noncommutative theories

By: Lu, JX; Roy, S; Singh, H

NUCLEAR PHYSICS B Volume: 595 Issue: 1-2 Pages: 298-318 Published: FEB 12 2001

2,483. Temperature, pressure and solvent dependence of positronium reactivity toward nitrobenzene

By: Gangopadhyay, D; Sanyal, D; Ganguly, BN; et al.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 105 Issue: 6 Pages: 991-994 Published: FEB 15 2001

2,484. Transverse spin in QCD: Radiative corrections

By: Harindranath, A; Mukherjee, A; Ratabole, R

PHYSICAL REVIEW D Volume: 63 Issue: 4 Article Number: 045006 Published: FEB 15 2001

2,485. Measurement of 42 MeV Li-7 projectile breakup on Pb-208 target near grazing incidence

By: Gupta, D; Samanta, C; Chatterjee, A; et al.

NUCLEAR PHYSICS A Volume: 683 Pages: 3-20 Published: FEB 26 2001

2,486. AC susceptibility enhancement studies in magnetic systems

By: Mukherjee, S; Ranganathan, R; Chakravarti, A; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 224 Issue: 3 Pages: 210-220  
Published: MAR 2001

2,487. Measurement of photon-induced L shell fluorescence cross-sections of gold and lead at 21.6,  
23.7 and 25.8 keV

By: Mandal, AC; Sarkar, M; Bhattacharya, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 174 Issue: 1-2 Pages: 41-46 Published: MAR 2001

2,488.  $U(1)$  chiral gauge theory on lattice with gauge-fixed domain wall fermions

By: Basak, S; De, AK

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 94 Pages: 765-772 Published: MAR  
2001

2,489. Theories with global gauge anomalies on the lattice

By: Mitra, P

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 94 Pages: 777-780 Published: MAR  
2001

- 2,490. Antikaon condensation and the metastability of protoneutron stars  
By: Banik, S; Bandyopadhyay, D  
PHYSICAL REVIEW C Volume: 63 Issue: 3 Article Number: 035802 Published: MAR 2001
- 2,491. Measurement and analysis of neutron spectra from a thick Ta target bombarded by 7.2A MeV O-16 ions  
By: Nandy, M; Bandyopadhyay, T; Sarkar, PK  
PHYSICAL REVIEW C Volume: 63 Issue: 3 Article Number: 034610 Published: MAR 2001
- 2,492. Study of thin film multilayers using X-ray reflectivity and scanning probe microscopy  
By: Banerjee, S; Datta, A; Sanyal, MK  
VACUUM Volume: 60 Issue: 4 Pages: 371-376 Published: MAR 2001
- 2,493. Effect of cholesterol on interaction of dibucaine with phospholipid vesicles: a fluorescence study  
By: Mondal, M; Mukhopadhyay, K; Basak, S; et al.  
BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1511 Issue: 1 Pages: 146-155  
Published: MAR 9 2001
- 2,494. Solid phase transition of overpressurised helium bubbles seen from positron annihilation studies  
By: Maji, S; Singh, A; Nambissan, PMG  
PHYSICS LETTERS A Volume: 281 Issue: 1 Pages: 76-82 Published: MAR 12 2001
- 2,495. Ground state of a chemically modulated Hubbard chain at half filling  
By: Gupta, S; Sil, S; Bhattacharyya, B  
PHYSICAL REVIEW B Volume: 63 Issue: 12 Article Number: 125113 Published: MAR 15 2001
- 2,496. Absorption of electromagnetic waves in a magnetized medium  
By: Ganguly, AK; Konar, S  
PHYSICAL REVIEW D Volume: 63 Issue: 6 Article Number: 065001 Published: MAR 15 2001
- 2,497. A theoretical approach to superconductivity in  $\alpha$ -TTF[Pd(dmit)(2)](2)  
By: Ramakumar, R; Yamaji, K  
SYNTHETIC METALS Volume: 120 Issue: 1-3 Special Issue: SI Pages: 769-770 Published: MAR 15 2001
- 2,498. Critical fatigue behaviour in brittle glasses  
By: Banerjee, R; Chakrabarti, BK  
BULLETIN OF MATERIALS SCIENCE Volume: 24 Issue: 2 Pages: 161-164 Published: APR 2001
- 2,499. A second look at single photon production in S+Au collisions at 200 A center dot GeV and implications for quark hadron phase transition (vol 12, pg 109, 2000)  
By: Srivastava, DK; Sinha, BC  
EUROPEAN PHYSICAL JOURNAL C Volume: 20 Issue: 2 Pages: 397-397 Published: APR 2001

2,500. Haplotype analysis of genomic polymorphisms in and around the myotonic dystrophy locus in diverse populations of India

By: Basu, P; Majumder, PP; Roychoudhury, S; et al.

HUMAN GENETICS Volume: 108 Issue: 4 Pages: 310-317 Published: APR 2001

2,501. Solar neutrino results and violation of the equivalence principle: An analysis of the existing data and predictions for SNO

By: Majumdar, D; Raychaudhuri, A; Sil, A

PHYSICAL REVIEW D Volume: 63 Issue: 7 Article Number: 073014 Published: APR 1 2001

2,502. Momentum-dependent contributions to the gravitational coupling of neutrinos in a medium

By: Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 63 Issue: 7 Article Number: 076003 Published: APR 1 2001

2,503. Magnetic field effect on the exciplex between all-s-trans-1,4-diphenylbuta-1,3-diene and 1,4-dicyanobenzene: a comparative study with other alpha,omega-diphenyl polyenes

By: Sengupta, T; Basu, S

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 57 Issue: 5 Pages: 1103-1110 Published: APR 2001

2,504. Binding of a denatured heme protein and ATP to erythroid spectrin

By: Chakrabarti, A; Bhattacharya, S; Ray, S; et al.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 282 Issue: 5 Pages: 1189-1193 Published: APR 20 2001

2,505. Quantum field theories on null surfaces

By: Gupta, KS; Ydri, B

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 16 Issue: 10 Pages: 1789-1808 Published: APR 20 2001

2,506. Near-horizon conformal structure of black holes

By: Birmingham, D; Gupta, KS; Sen, S

PHYSICS LETTERS B Volume: 505 Issue: 1-4 Pages: 191-196 Published: APR 26 2001

2,507. Dynamical properties of three component Fibonacci quasicrystal

By: Ghosh, A

EUROPEAN PHYSICAL JOURNAL B Volume: 21 Issue: 1 Pages: 45-51 Published: MAY 2001

2,508. Nonlinear saturation of Rayleigh-Taylor instability and generation of shear flow in equatorial spread-F plasma

By: Chakrabarti, N; Lakhina, GS

NONLINEAR PROCESSES IN GEOPHYSICS Volume: 8 Issue: 3 Pages: 181-190 Published: MAY 2001

- 2,509. Phonon anomalies and electron-phonon interaction in the RuSr<sub>2</sub>GdCu<sub>2</sub>O<sub>8</sub> ferromagnetic superconductor: Evidence from infrared conductivity  
By: Boris, AV; Mandal, P; Bernhard, C; et al.  
PHYSICAL REVIEW B Volume: 63 Issue: 18 Article Number: 184505 Published: MAY 1 2001
- 2,510. Coulomb and nuclear breakup effects in the single neutron removal reaction Au-197(C-17,C-16 gamma)X  
By: Maddalena, V; Shyam, R  
PHYSICAL REVIEW C Volume: 63 Issue: 5 Article Number: 051601 Published: MAY 2001
- 2,511. Core excitation in Coulomb breakup reactions  
By: Shyam, R; Danielewicz, P  
PHYSICAL REVIEW C Volume: 63 Issue: 5 Article Number: 054608 Published: MAY 2001
- 2,512. Liquid-gas phase transition in nuclei in the relativistic Thomas-Fermi theory  
By: Sil, T; Agrawal, BK; De, JN; et al.  
PHYSICAL REVIEW C Volume: 63 Issue: 5 Article Number: 054604 Published: MAY 2001
- 2,513. Stability-transport modeling of the SINP tokamak discharges  
By: Lahiri, S; Mukhopadhyay, S; Iyengar, ANS; et al.  
PRAMANA-JOURNAL OF PHYSICS Volume: 56 Issue: 5 Pages: 615-624 Published: MAY 2001
- 2,514. The role of Asn14 in the stability and conformation of the reactive-site loop of winged bean chymotrypsin inhibitor: crystal structures of two point mutants Asn14 -> Lys and Asn14 -> Asp  
By: Ravichandran, S; Dasgupta, J; Chakrabarti, C; et al.  
PROTEIN ENGINEERING Volume: 14 Issue: 5 Pages: 349-357 Published: MAY 2001
- 2,515. Protein-flavonol interaction: Fluorescence spectroscopic study  
By: Guharay, J; Sengupta, B; Sengupta, PK  
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 43 Issue: 2 Pages: 75-81  
Published: MAY 1 2001
- 2,516. Quark transversity distribution in perturbative QCD: light-front Hamiltonian approach  
By: Mukherjee, A; Chakrabarti, D  
PHYSICS LETTERS B Volume: 506 Issue: 3-4 Pages: 283-288 Published: MAY 10 2001
- 2,517. The similar dependence of the magnetocaloric effect and magnetoresistance in TmCu and TmAg compounds and its implications  
By: Rawat, R; Das, I  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 19 Pages: L379-L387 Published: MAY 14 2001
- 2,518. Microsatellite instability in squamous cell carcinoma of head and neck from the Indian patient population  
By: Chakrabarti, S; Dasgupta, S; Roy, S; et al.

INTERNATIONAL JOURNAL OF CANCER Volume: 92 Issue: 4 Pages: 555-561 Published: MAY 15 2001

2,519. Small-to-large polaron crossover in one dimension using variational phonon-averaging techniques

By: Choudhury, P; Das, AN

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 15 Issue: 13 Pages: 1923-1937 Published: MAY 30 2001

2,520. Magnetic properties of amorphous  $\text{Co}_{2-x}\text{Fe}_x\text{Ge}$  alloys synthesized by mechanical alloying

By: Bhowmik, RN; Ranganathan, R; Sarkar, S; et al.

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 304 Special Issue: SI Pages: 1014-1018 Published: MAY 31 2001

2,521. Supersymmetric lepton flavor violation in a linear collider: the role of charginos

By: Guchait, M; Kalinowski, J; Roy, P

EUROPEAN PHYSICAL JOURNAL C Volume: 21 Issue: 1 Pages: 163-169 Published: JUN 2001

2,522. Lack of abundance of cytoplasmic cyclosporin A-binding protein renders *Leishmania donovani* resistant to cyclosporin A

By: Dutta, M; Delhi, P; Sinha, KM; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 276 Issue: 22 Pages: 19294-19300 Published: JUN 1 2001

2,523. Preferential oxygen-trapping in metallic multilayers: A SIMS perspective

By: Sarkar, S; Chakraborty, P

JOURNAL OF THE CHINESE CHEMICAL SOCIETY Volume: 48 Issue: 3 Special Issue: SI Pages: 521-524 Published: JUN 2001

2,524. Anomalous metal-insulator transition in  $\text{BaCo}_{1-x}\text{Ni}_x\text{S}_{2-y}$  as a triggered phase transition

By: Poddar, A; Kang, H; Barner, K; et al.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 225 Issue: 2 Pages: 443-448 Published: JUN 2001

2,525. QCD sum rules for rho mesons in nuclear matter

By: Mallik, S; Nyffeler, A

PHYSICAL REVIEW C Volume: 63 Issue: 6 Article Number: 065204 Published: JUN 2001

2,526. Anatomy of nuclear shape transition in the relativistic mean field theory

By: Sil, T; Agrawal, BK; De, JN; et al.

PHYSICAL REVIEW C Volume: 63 Issue: 6 Article Number: 064302 Published: JUN 2001

2,527. MSW mediated neutrino decay and the solar neutrino problem

By: Bandyopadhyay, A; Choubey, S; Goswami, S

PHYSICAL REVIEW D Volume: 63 Issue: 11 Article Number: 113019 Published: JUN 1 2001

2,528. Influence of substrate roughness on the layering of particles in nanocermet thin films  
By: Hazra, S; Gibaud, A; Sella, C  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 11 Pages: 1575-1578 Published: JUN 7 2001

2,529. Conducting polymer composites: novel materials for gas sensing  
By: Gangopadhyay, R; De, A  
SENSORS AND ACTUATORS B-CHEMICAL Volume: 77 Issue: 1-2 Pages: 326-329 Published: JUN 15 2001

2,530. On an exactly solvable B-N type Calogero model with non-Hermitian PT invariant interaction  
By: Basu-Mallick, B; Mandal, BP  
PHYSICS LETTERS A Volume: 284 Issue: 6 Pages: 231-237 Published: JUN 18 2001

2,531. The euclidean travelling salesman problem: Frequency distribution of neighbors for small-size systems  
By: Chakraborti, A  
INTERNATIONAL JOURNAL OF MODERN PHYSICS C Volume: 12 Issue: 6 Pages: 857-863 Published: JUL 2001

2,532. Generation of ceramide in murine macrophages infected with Leishmania donovani alters macrophage signaling events and aids intracellular parasitic survival  
By: Ghosh, S; Bhattacharyya, S; Das, S; et al.  
MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 223 Issue: 1-2 Pages: 47-60 Published: JUL 2001

2,533. Temperature induced shell effects in deformed nuclei  
By: Agrawal, BK; Sil, T; Samaddar, SK; et al.  
PHYSICAL REVIEW C Volume: 64 Issue: 1 Article Number: 017304 Published: JUL 2001

2,534. Shell model study of neutron-rich nuclei near Sn-132  
By: Sarkar, S; Sarkar, MS  
PHYSICAL REVIEW C Volume: 64 Issue: 1 Article Number: 014312 Published: JUL 2001

2,535. Chiral gauge theory on the lattice with domain wall fermions  
By: Basak, S; De, AK  
PHYSICAL REVIEW D Volume: 64 Issue: 1 Article Number: 014504 Published: JUL 1 2001

2,536. Special issue: Workshop on physics with multi-detector array - Foreword  
By: Sinha, B  
PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 3-3 Published: JUL 2001

2,537. Evolution of nuclear spectroscopy at Saha Institute of Nuclear Physics  
By: Mukherjee, P

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 5-9 Published: JUL 2001

2,538. Nuclear structure studies at Saha Institute of Nuclear Physics using gamma detector arrays  
By: Banerjee, P

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 41-55 Published: JUL 2001

2,539. MEGHNAD - A multi element detector array for heavy ion collision studies

By: Saha, S

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 149-159 Published: JUL 2001

2,540. Level structures of Mo-95, Mo-97 - A comparative study

By: Chatterjee, JM; Sarkar, MS; Bhattacharya, S; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 165-169 Published: JUL 2001

2,541. Particle-rotor-model calculations in I-125

By: Sharma, H; Sethi, B; Banerjee, P; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 171-174 Published: JUL 2001

2,542. Measurement of fission anisotropy for O-16+Ta-181

By: Behera, BR; Roy, S; Basu, P; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 199-202 Published: JUL 2001

2,543. Breakup of 42 MeV Li-7 projectiles in the fields of C-12 and Au-197 nuclei

By: Gupta, D; Samanta, C; Kanungo, R; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 1 Pages: 209-213 Published: JUL 2001

2,544. Optical spectroscopy of Mg by Kr<sup>+</sup> ion sputtering in presence of O-2

By: Karmakar, P; Agarwal, P; Ghose, D

APPLIED SURFACE SCIENCE Volume: 178 Issue: 1-4 Pages: 83-92 Published: JUL 2 2001

2,545. Metal-to-insulator transition in La<sub>1-x</sub>Ba<sub>x</sub>TiO<sub>3</sub>

By: Fritsch, V; Hemberger, J; Brando, M; et al.

PHYSICAL REVIEW B Volume: 64 Issue: 4 Article Number: 045113 Published: JUL 15 2001

2,546. Purification and characterization of receptors for myoinositol trisphosphate and myoinositol tetrakis phosphate from Entamoeba histolytica

By: Giri, B; Das, R; Raha, S; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 38 Issue: 4 Pages: 253-257 Published: AUG 2001

2,547. Elastic stiffness properties of brass near the order-disorder transition: An overview

By: Pal, B

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS BRIEF COMMUNICATIONS & REVIEW PAPERS Volume: 40 Issue: 8 Pages: 5054-5057 Published: AUG 2001

- 2,548. Role of  $Mg^{2+}$  in the base-specific recognition of nucleic acids by anticancer antibiotics, Chromomycin A3 and Mithrmycin  
By: Dasgupta, D  
JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 86 Issue: 1 Pages: 38-38 Published: AUG 2001
- 2,549. A self-organising model of market with single commodity  
By: Chakraborti, A; Pradhan, S; Chakrabarti, BK  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 297 Issue: 1-2 Pages: 253-259  
Published: AUG 1 2001
- 2,550. Magnetic transitions in  $CeCu_{0.86}Ge_2$  and  $PrCu_{0.76}Ge_2$  as studied by magnetocaloric effect  
By: Rawat, R; Das, I  
PHYSICAL REVIEW B Volume: 64 Issue: 5 Article Number: 052407 Published: AUG 1 2001
- 2,551. Coulomb energy differences in mirror nuclei revisited  
By: Agrawal, BK; Sil, T; Samaddar, SK; et al.  
PHYSICAL REVIEW C Volume: 64 Issue: 2 Article Number: 024305 Published: AUG 2001
- 2,552. Dynamical description of the breakup of one-neutron halo nuclei Be-11 and C-19  
By: Typel, S; Shyam, R  
PHYSICAL REVIEW C Volume: 64 Issue: 2 Article Number: 024605 Published: AUG 2001
- 2,553. Origin of the inversion of up-down potential asymmetry in the magnetized toroidal plasma  
By: Bhattacharyya, J; Ray, NR  
PLASMA PHYSICS AND CONTROLLED FUSION Volume: 43 Issue: 8 Pages: 1157-1168 Published: AUG 2001
- 2,554. Physics with loosely bound nuclei  
By: Samanta, C  
PRAMANA-JOURNAL OF PHYSICS Volume: 57 Issue: 2-3 Pages: 519-524 Published: AUG-SEP 2001
- 2,555. Structural study and fabrication of nano-pattern on ultra thin film of Ag grown by magnetron sputtering  
By: Banerjee, S; Mukherjee, S; Kundu, S  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 15 Pages: L87-L90 Published: AUG 7 2001
- 2,556. Proceedings of the International Conference on Magnetic Materials (ICMM) October 17-19, 2000, Calcutta, India - Preface  
By: Ghoshray, A; Ranganathan, R  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 1-1 Published: AUG 9 2001
- 2,557. Interchain interactions of  $Li_2CuO_2$  probed by Li-7 NMR  
By: Giri, S; Chudo, H; Nakamura, H; et al.



JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 61-64 Published: AUG 9 2001

2,558. Magnetic properties in rare-earth substituted spinel  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_{2-x}\text{RE}_x\text{O}_4$  (RE=Dy, Ho and Er,  $x=0.05$ )

By: Bhowmik, RN; Ranganathan, R

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 128-131 Published: AUG 9 2001

2,559. Pseudogap in high-T-c cuprates

By: Bandyopadhyay, B; Poddar, A

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 137-142 Published: AUG 9 2001

2,560. Al-27 NMR studies in  $\text{CeNiAl}_4$ : a dense Kondo system

By: Chakraborty, M; Ghoshray, K; Bandyopadhyay, B; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 193-197 Published: AUG 9 2001

2,561. Transport and magnetic properties of bulk and epitaxial thin film of  $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$

By: Roy, B; Poddar, A; Das, S; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 326 Issue: 1-2 Pages: 317-320 Published: AUG 9 2001

2,562. Can R-parity violation lower  $\sin^2 \beta$ ?

By: Bhattacharyya, G; Datta, A; Kundu, A

PHYSICS LETTERS B Volume: 514 Issue: 1-2 Pages: 47-56 Published: AUG 9 2001

2,563. Special issue: Proceeding of the International Conference on Strongly Correlated Electron System (SCES-Y2K) - Foreword

By: Das, AN; Roy, GK; Yarlagadda, S

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 15 Issue: 19-20 Pages: V-VI Published: AUG 10 2001

2,564. A convergent perturbation method for the Holstein model and its application to the double exchange system

By: Das, AN; Chatterjee, J; Mitra, M

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 15 Issue: 19-20 Pages: 2647-2663 Published: AUG 10 2001

2,565. Polyaniline-poly (vinyl alcohol) conducting composite: material with easy processability and novel application potential

By: Gangopadhyay, R; De, A; Ghosh, G

SYNTHETIC METALS Volume: 123 Issue: 1 Pages: 21-31 Published: AUG 22 2001

- 2,566. Mechanism of positronium-nitrobenzene complex formation in water  
By: Gangopadhyay, D; Ganguly, BN; Mukherjee, T; et al.  
CHEMICAL PHYSICS LETTERS Volume: 344 Issue: 5-6 Pages: 495-500 Published: AUG 31 2001
- 2,567. The study of microstructural defects and mechanical properties in proton-irradiated Zr-1.0%Nb-1.0%Sn-0.1%Fe  
By: Mukherjee, P; Nambissan, PMG; Barat, P; et al.  
JOURNAL OF NUCLEAR MATERIALS Volume: 297 Issue: 3 Pages: 341-344 Published: SEP 2001
- 2,568. Raman scattering in alkali doped fullerides  
By: Mitra, M; Ghosh, H; Behera, SN  
PHYSICA B-CONDENSED MATTER Volume: 304 Issue: 1-4 Pages: 159-165 Published: SEP 2001
- 2,569. Alloying behaviour in Cu-Pd nanostructures  
By: Menon, M; Khanra, BC  
PHYSICA B-CONDENSED MATTER Volume: 304 Issue: 1-4 Pages: 181-185 Published: SEP 2001
- 2,570. Secondary-electron emission from a single-crystalline aluminum surface induced by multiply charged oxygen ions  
By: Karmakar, P; Agarwal, P; Nabhiraj, PY; et al.  
PHYSICAL REVIEW A Volume: 64 Issue: 3 Article Number: 034901 Published: SEP 2001
- 2,571. Transition strengths and quantum chaos in large shell-model spaces  
By: Gomez, JM; Kar, K; Kota, VKB; et al.  
PHYSICAL REVIEW C Volume: 64 Issue: 3 Article Number: 034305 Published: SEP 2001
- 2,572. Radiation of single photons from Pb+Pb collisions at relativistic energies and the quark-hadron phase transition  
By: Srivastava, DK; Sinha, B  
PHYSICAL REVIEW C Volume: 64 Issue: 3 Article Number: 034902 Published: SEP 2001
- 2,573. Reviving the energy independent suppression of the solar neutrino flux  
By: Choubey, S; Goswami, S; Gupta, N; et al.  
PHYSICAL REVIEW D Volume: 64 Issue: 5 Article Number: 053002 Published: SEP 1 2001
- 2,574. Hetero-aggregation with sucrase affects the activity, stability and conformation of extra- and intra-cellular cellobiase in the filamentous fungus *T-clypeatus*  
By: Mukherjee, S; Basak, S; Khowala, S  
ENZYME AND MICROBIAL TECHNOLOGY Volume: 29 Issue: 4-5 Pages: 213-224 Published: SEP 5 2001
- 2,575. Protein interaction maps using yeast two-hybrid assay  
By: Mukherjee, S; Bal, S; Saha, P  
CURRENT SCIENCE Volume: 81 Issue: 5 Pages: 458-464 Published: SEP 10 2001

- 2,576. Four-body DWBA calculations of the Coulomb breakup of He-6  
By: Chatterjee, R; Banerjee, P; Shyam, R  
NUCLEAR PHYSICS A Volume: 692 Issue: 3-4 Pages: 476-495 Published: SEP 24 2001
- 2,577. Association of the anticancer antibiotic chromomycin A(3) with the nucleosome: Role of core histone tail domains in the binding process  
By: Mir, MA; Dasgupta, D  
BIOCHEMISTRY Volume: 40 Issue: 38 Pages: 11578-11585 Published: SEP 25 2001
- 2,578. Twist four longitudinal structure function for a positronium-like bound state in light-front QED  
By: Mukherjee, A  
PHYSICS LETTERS B Volume: 517 Issue: 1-2 Pages: 109-118 Published: SEP 27 2001
- 2,579. Small-world phenomena and the statistics of linear polymers  
By: Sen, P; Chakrabarti, BK  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 34 Issue: 38 Pages: 7749-7755  
Published: SEP 28 2001
- 2,580. Co-amplification of dhfr and a homologue of hmsh3 in a Chinese hamster methotrexate-resistant cell line correlates with resistance to a range of chemotherapeutic drugs  
By: Pandit, B; Roy, M; Dutta, J; et al.  
CANCER CHEMOTHERAPY AND PHARMACOLOGY Volume: 48 Issue: 4 Pages: 312-318 Published: OCT 2001
- 2,581. Morphology of thin lead films grown on glass substrates by atomic force and electron microscopy  
By: Bhaumik, S; Kundu, S; SenGupta, SP  
MATERIALS CHEMISTRY AND PHYSICS Volume: 72 Issue: 1 Pages: 16-22 Published: OCT 1 2001
- 2,582. M X-ray production cross-sections of gold and lead by 4 to 12 MeV carbon ions  
By: Mitra, D; Mandal, AC; Sarkar, M; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 183 Issue: 3-4 Pages: 171-177 Published: OCT 2001
- 2,583. Entrance-channel effect in fission fragment anisotropies from B-11+U-235 and N-14+Th-232 systems  
By: Behera, BR; Jena, S; Satpathy, M; et al.  
PHYSICAL REVIEW C Volume: 64 Issue: 4 Article Number: 041602 Published: OCT 2001
- 2,584. Rephasing-invariant CP violating parameters with majorana neutrinos  
By: Nieves, JF; Pal, PB  
PHYSICAL REVIEW D Volume: 64 Issue: 7 Article Number: 076005 Published: OCT 1 2001
- 2,585. Dielectric dependence of magnetic field effect: A tool for identification of exciplex and triplex  
By: Sen, K; Bandyopadhyay, S; Bhattacharya, D; et al.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 105 Issue: 39 Pages: 9077-9084 Published: OCT 4 2001

2,586. Size dependent magnetic phase of nanocrystalline  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{O}_4$

By: Dey, S; Roy, A; Ghose, J; et al.

JOURNAL OF APPLIED PHYSICS Volume: 90 Issue: 8 Pages: 4138-4142 Published: OCT 15 2001

2,587. Gravitational couplings of charged leptons in a medium

By: Mitra, I; Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 64 Issue: 8 Article Number: 085004 Published: OCT 15 2001

2,588. On the size of hadrons

By: Pauli, HC; Mukherjee, A

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 16 Issue: 26 Pages: 4351-4364

Published: OCT 20 2001

2,589. Scanning probe microscopy and X-ray studies of confined metal films

By: Hazra, S; Pal, S; Kundu, S; et al.

APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: SI Pages: 244-250 Published: OCT 22 2001

2,590. Polymorphic transformation and lattice expansion in nanocrystalline niobium revealed by positron annihilation at grain boundaries

By: Chattopadhyay, PP; Nambissan, PMG; Pabi, SK; et al.

APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: SI Pages: 308-312 Published: OCT 22 2001

2,591. Nanostructuring with a high current isotope separator and ion implanter

By: Chini, TK; Datta, D; Bhattacharyya, SR; et al.

APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: SI Pages: 313-320 Published: OCT 22 2001

2,592. Surface oxidation of iron nanoparticles

By: Giri, S; Ganguli, S; Bhattacharya, M

APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: SI Pages: 345-349 Published: OCT 22 2001

2,593. Effect of metal-support interaction on surface segregation in Pd-Pt nanoparticles

By: De Sarkar, A; Menon, M; Khanra, BC

APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: SI Pages: 394-397 Published: OCT 22 2001

2,594. Enhanced magnetoresistance on substitution of Mn in  $\text{SrRuO}_3$

By: Banerjee, GN; Bhowmik, RN; Ranganathan, R

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 42 Pages: 9481-9488 Article Number: PII S0953-8984(01)23118-X Published: OCT 22 2001

2,595. Impact of the first SNO results on neutrino mass and mixing

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICS LETTERS B Volume: 519 Issue: 1-2 Pages: 83-92 Published: OCT 25 2001

2,596. Interaction of 3-hydroxybenzoate with 3-hydroxybenzoate-6-hydroxylase

By: Suresh, S; Dasgupta, D

BIOTECHNOLOGY PROGRESS Volume: 17 Issue: 6 Pages: 1026-1031 Published: NOV-DEC 2001

2,597. Electron phonon interactions and superconductivity in  $\alpha$ -TTF[Pd(dmit)(2)](2)

By: Ramakumar, R; Yamaji, K

EUROPEAN PHYSICAL JOURNAL B Volume: 24 Issue: 1 Pages: 71-75 Published: NOV 2001

2,598. Magnetic orderings in La- and Y-substituted PrCo<sub>2</sub>Si<sub>2</sub> compounds

By: Rawat, R; Das, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 236 Issue: 3 Pages: 285-292

Published: NOV 2001

2,599. Cluster glass behaviour in Co<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2-x</sub>Rh<sub>x</sub>O<sub>4</sub>(x=0-1-0)

By: Bhowmik, RN; Ranganathan, R

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 237 Issue: 1 Pages: 27-40

Published: NOV 2001

2,600. Separation of carrier- W-176,W-177 and Ta-176,Ta-177 produced in O-16 irradiated holmium target

By: Banerjee, K; Lahiri, S

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 250 Issue: 2 Pages: 365-367

Published: NOV 2001

2,601. Heat conductivity of La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> surface layers

By: El-Kassab, I; Ahmed, AM; Mandal, P; et al.

PHYSICA B-CONDENSED MATTER Volume: 305 Issue: 3-4 Pages: 233-241 Published: NOV 2001

2,602. Resistivity anomaly in the vicinity of a structural phase transition in La<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>

By: Mandal, P; Bandyopadhyay, B; Ghosh, B

PHYSICAL REVIEW B Volume: 64 Issue: 18 Article Number: 180405 Published: NOV 1 2001

2,603. Third family of superdense stars in the presence of antikaon condensates

By: Banik, S; Bandyopadhyay, D

PHYSICAL REVIEW C Volume: 64 Issue: 5 Article Number: 055805 Published: NOV 2001

2,604. Measurement of plasma diamagnetism in the SINP tokamak by a flux loop system inside the vacuum vessel

By: Saha, SK; Kumar, R; Hui, AK

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 72 Issue: 11 Pages: 4289-4291 Published: NOV 2001

2,605. Supersymmetric model of neutrino mass and leptogenesis with string-scale unification

By: Brahmachari, B; Ma, E; Sarkar, U

PHYSICS LETTERS B Volume: 520 Issue: 1-2 Pages: 152-158 Published: NOV 8 2001

2,606. Mesons in (2+1)-dimensional light front QCD: Investigation of a Bloch effective Hamiltonian

By: Chakrabarti, D; Harindranath, A

PHYSICAL REVIEW D Volume: 64 Issue: 10 Article Number: 105002 Published: NOV 15 2001

2,607. Evidence for shape coexistence in Br-77

By: Ray, I; Banerjee, P; Bhattacharya, S; et al.

NUCLEAR PHYSICS A Volume: 694 Issue: 3-4 Pages: 411-423 Published: NOV 19 2001

2,608. High affinity association of myo-inositol trisphosphates with phytase and its effect upon the catalytic potential of the enzyme

By: Padmanabhan, U; Dasgupta, S; Biswas, BB; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 276 Issue: 47 Pages: 43635-43644 Published: NOV 23 2001

2,609. Wound healing activity of human placental extracts in rats

By: Biswas, TK; Auddy, B; Bhattacharya, NP; et al.

ACTA PHARMACOLOGICA SINICA Volume: 22 Issue: 12 Pages: 1113-1116 Published: DEC 2001

2,610. Separation of carrier- Re-181 produced in O-16-irradiated thulium target

By: Lahiri, S; Mukhopadhyay, K; Banerjee, K; et al.

APPLIED RADIATION AND ISOTOPES Volume: 55 Issue: 6 Pages: 751-754 Published: DEC 2001

2,611. Exact results for the BTZ black hole

By: Birmingham, D; Sachs, I; Sen, S

INTERNATIONAL JOURNAL OF MODERN PHYSICS D Volume: 10 Issue: 6 Pages: 833-857 Published: DEC 2001

2,612. On decoupled theories in (5+1) dimensions from (F, D1, NS5, D5) supergravity configuration

By: Cai, RG; Mitra, I; Roy, S; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 029 Published: DEC 2001

2,613. Coexistence of prolate and oblate bands with similar proton configurations in I-121, I-123, I-125

By: Sharma, H; Banerjee, P

PHYSICAL REVIEW C Volume: 64 Issue: 6 Article Number: 064310 Published: DEC 2001

2,614. Global oscillation analysis of solar neutrino data with helioseismically constrained fluxes

By: Choubey, S; Goswami, S; Kar, K; et al.

PHYSICAL REVIEW D Volume: 64 Issue: 11 Article Number: 113001 Published: DEC 1 2001

2,615. Field-reversed configuration (FRC) as a minimum-dissipative relaxed state

By: Bhattacharyya, R; Janaki, MS; Dasgupta, B

PHYSICS LETTERS A Volume: 291 Issue: 4-5 Pages: 291-295 Published: DEC 10 2001

2,616. Gauge fixed domain wall fermions on lattice at small Yukawa coupling

By: Basak, S; De, AK

PHYSICS LETTERS B Volume: 522 Issue: 3-4 Pages: 350-357 Published: DEC 13 2001

2,617. Integrability and exact solution of correlated hopping multi-chain electron systems

By: Kundu, A

NUCLEAR PHYSICS B Volume: 618 Issue: 3 Pages: 500-522 Published: DEC 17 2001

2,618. Bound states in one-dimensional quantum N-body systems with inverse square interaction

By: Basu-Mallick, B; Gupta, KS

PHYSICS LETTERS A Volume: 292 Issue: 1-2 Pages: 36-42 Published: DEC 24 2001

2,619. Entropy production due to coupling to a heat bath in the kicked rotor problem

By: Nag, S; Lahiri, A; Ghosh, G

PHYSICS LETTERS A Volume: 292 Issue: 1-2 Pages: 43-48 Published: DEC 24 2001

2,620. A simple EDXRF technique to analyse alloys

By: Mandal, AC; Sarkar, M; Bhattacharya, D

EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 17 Issue: 1 Pages: 81-84 Published: JAN 2002

2,621. An eco-friendly novel separation of carrier- thallium radionuclide from mercury and lead radionuclides using algae as bio-reagent

By: Nayak, D; Lahiri, S; Mukhopadhyay, A; et al.

GREEN CHEMISTRY Volume: 4 Issue: 6 Pages: 581-583 Published: 2002

2,622. Market application of the percolation model: Relative price distribution

By: Chakraborti, A

INTERNATIONAL JOURNAL OF MODERN PHYSICS C Volume: 13 Issue: 1 Pages: 25-29 Published: JAN 2002

2,623. Structural and chemical characterization of 4.0 nm thick oxynitride films

By: Banerjee, S; Gibaud, A; Chateigner, D; et al.

JOURNAL OF APPLIED PHYSICS Volume: 91 Issue: 1 Pages: 540-542 Published: JAN 1 2002

2,624. An electrochemically synthesized conducting semi-IPN from polypyrrole and poly(vinyl alcohol)

By: Gangopadhyay, R; De, A

JOURNAL OF MATERIALS CHEMISTRY Volume: 12 Issue: 12 Pages: 3591-3598 Published: 2002

- 2,625. Performance of a polarization-masked lens aperture in the presence of spherical aberration  
By: Chowdhury, DR; Bhattacharya, K; Sanyal, S; et al.  
JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS Volume: 4 Issue: 1 Pages: 98-104 Published:  
JAN 2002
- 2,626. Inelastic scattering of protons from He-6, He-8 and (7,11) Li in a folding model approach  
By: Gupta, D; Samanta, C  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 28 Issue: 1 Pages: 85-94 Article  
Number: PII S0954-3899(02)28029-9 Published: JAN 2002
- 2,627. Separation of no-carrier-added As and Se produced in O-16 irradiated cobalt target  
By: Mukhopadhyay, K; Nayak, D; Lahiri, S  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 251 Issue: 1 Pages: 159-162  
Published: JAN 2002
- 2,628. Neutrino interactions in a magnetized medium  
By: Bhattacharya, K; Ganguly, AK; Konar, S  
PHYSICAL REVIEW D Volume: 65 Issue: 1 Article Number: 013007 Published: JAN 1 2002
- 2,629. Spectral representation and QCD sum rules for the nucleon at finite temperature  
By: Mallik, S; Sarkar, S  
PHYSICAL REVIEW D Volume: 65 Issue: 1 Article Number: 016002 Published: JAN 1 2002
- 2,630. Precursors of catastrophe in the Bak-Tang-Wiesenfeld, Manna, and random-fiber-bundle  
models of failure  
By: Pradhan, S; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 65 Issue: 1 Article Number: 016113 Part: 2 Published: JAN 2002
- 2,631. Investigations of low q(a) discharges in the SINP tokamak  
By: Lahiri, S; Iyengar, ANS; Mukhopadhyay, S; et al.  
PRAMANA-JOURNAL OF PHYSICS Volume: 58 Issue: 1 Pages: 79-89 Published: JAN 2002
- 2,632. SNO results and neutrino magnetic moment solution to the solar neutrino problem  
By: Majumdar, D  
PRAMANA-JOURNAL OF PHYSICS Volume: 58 Issue: 1 Pages: L135-L145 Published: JAN 2002
- 2,633. Production and separation of Na-24 and Mg-28 from Li-7-irradiated aluminium target  
By: Mukhopadhyay, K; Lahiri, S  
RADIOCHIMICA ACTA Volume: 90 Issue: 2 Pages: 65-68 Published: 2002
- 2,634. Role of molecular self-assembling in Langmuir-Blodgett film growth  
By: Sanyal, MK; Mukhopadhyay, MK; Mukherjee, M; et al.  
PHYSICAL REVIEW B Volume: 65 Issue: 3 Article Number: 033409 Published: JAN 15 2002



- 2,635. Study on the effect of plasma treatment on TiN films in N-2/H-2 atmosphere using x-ray reflectivity and secondary ion mass spectroscopy  
By: Banerjee, S; Gibaud, A; Chateigner, D; et al.  
APPLIED PHYSICS LETTERS Volume: 80 Issue: 3 Pages: 512-514 Published: JAN 21 2002
- 2,636. Energy deposition due to neutrino pair annihilation near rotating neutron stars  
By: Prasanna, AR; Goswami, S  
PHYSICS LETTERS B Volume: 526 Issue: 1-2 Pages: 27-33 Published: JAN 31 2002
- 2,637. Further evidence for the conformal structure of a Schwarzschild black hole in an algebraic approach  
By: Gupta, KS; Sen, S  
PHYSICS LETTERS B Volume: 526 Issue: 1-2 Pages: 121-126 Published: JAN 31 2002
- 2,638. Study of Ag porous film using X-ray reflectivity and pattern formation using Atomic Force Microscope  
By: Banerjee, S; Mukherjee, S; Kundu, S  
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 17 Issue: 2 Pages: 99-106 Published: FEB 2002
- 2,639. Effect of flanking residues on CA and AA dinucleotides: Some rationale  
By: Bandyopadhyay, D; Bhattacharyya, D  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 19 Issue: 4 Pages: 659-667  
Published: FEB 2002
- 2,640. Nanosecond isomers in near-spherical Pm-142,Pm-143  
By: Bhattacharyya, S; Chanda, S; Basu, SK; et al.  
PHYSICAL REVIEW C Volume: 65 Issue: 2 Article Number: 027301 Published: FEB 2002
- 2,641. Group symmetries in two-body random matrix ensembles generating order out of complexity  
By: Kota, VKB; Kar, K  
PHYSICAL REVIEW E Volume: 65 Issue: 2 Article Number: 026130 Part: 2 Published: FEB 2002
- 2,642. Peptide design using omega-amino acids: Unusual turn structures nucleated by an n-terminal single gamma-aminobutyric acid residue in short model peptides  
By: Maji, SK; Banerjee, R; Velmurugan, D; et al.  
JOURNAL OF ORGANIC CHEMISTRY Volume: 67 Issue: 3 Pages: 633-639 Published: FEB 8 2002
- 2,643. Emission of single photons, hadrons, and dileptons in Pb plus Pb collisions at CERN SPS and quark hadron phase transition  
By: Srivastava, DK; Sinha, B; Kvasnikova, I; et al.  
NUCLEAR PHYSICS A Volume: 698 Pages: 432C-435C Published: FEB 11 2002
- 2,644. Mesons in (2+1)-dimensional light front QCD. II. Similarity renormalization approach  
By: Chakrabarti, D; Harindranath, A

PHYSICAL REVIEW D Volume: 65 Issue: 4 Article Number: 045001 Published: FEB 15 2002

2,645. Influence of sulphur on the shell composition of Pt-Rh nanocatalysts: a theoretical model

By: De Sarkar, A; Khanra, BC

CHEMICAL PHYSICS LETTERS Volume: 353 Issue: 5-6 Pages: 426-430 Article Number: PII S0009-2614(02)00056-8 Published: FEB 26 2002

2,646. Regulation (alteration) of activity and conformation of sucrase by coaggregation with cellobiase in culture medium of *Termitomyces clypeatus*

By: Mukherjee, S; Basak, S; Khowala, S

BIOTECHNOLOGY PROGRESS Volume: 18 Issue: 2 Pages: 404-408 Published: MAR-APR 2002

2,647. Design and testing of ECE radiometer for Sinp-Tokamak

By: Ray, R; Hugenholtz, CAJ; van de Pol, MJ

BRAZILIAN JOURNAL OF PHYSICS Volume: 32 Issue: 1 Pages: 155-159 Published: MAR 2002

2,648. Investigation of gauge-fixed pure  $U(1)$  theory at strong coupling

By: Basak, S; De, AK

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 106 Pages: 730-732 Article Number: PII S0920-5632(01)01829-1 Published: MAR 2002

2,649. Phonon anomalies in the infrared conductivity of the  $RuSr_2GdCu_2O_8$  ferromagnetic superconductor

By: Boris, AV; Bernhard, C; Kovaleva, NN; et al.

PHYSICA B-CONDENSED MATTER Volume: 312 Pages: 797-799 Article Number: PII S0921-4526(01)01228-5 Published: MAR 2002

2,650. Ferromagnetism and superconductivity in pure and doped  $RuSr_2GdCu_2O_8$

By: Hemberger, J; Hassen, A; Krimmel, A; et al.

PHYSICA B-CONDENSED MATTER Volume: 312 Pages: 805-807 Article Number: PII S0921-4526(01)01544-7 Published: MAR 2002

2,651. Corrections to the prevalent bubble model of positronium annihilation in liquids

By: Dutta, D; Ganguly, BN; Gangopadhyay, D; et al.

PHYSICAL REVIEW B Volume: 65 Issue: 9 Article Number: 094114 Published: MAR 1 2002

2,652. Evolution of strangeness in an equilibrating and expanding quark-gluon plasma

By: Pal, D; Sen, A; Mustafa, MG; et al.

PHYSICAL REVIEW C Volume: 65 Issue: 3 Article Number: 034901 Published: MAR 2002

2,653. Extension of the Bethe-Weizsacker mass formula to light nuclei and some new shell closures

By: Samanta, C; Adhikari, S

PHYSICAL REVIEW C Volume: 65 Issue: 3 Article Number: 037301 Published: MAR 2002

- 2,654. Consistent refinement of Bethe strings for spin and electron models and a new non-Bethe solution  
By: Kundu, A  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 35 Issue: 10 Pages: L125-L132  
Article Number: PII S0305-4470(02)27887-7 Published: MAR 15 2002
- 2,655. Adjoint bulk scalars and supersymmetric unification in the presence of extra dimensions  
By: Brahmachari, B  
PHYSICAL REVIEW D Volume: 65 Issue: 6 Article Number: 067502 Published: MAR 15 2002
- 2,656. Separation of V-48 and Cr-48,Cr-49 in Li-7 irradiated Sc<sub>2</sub>O<sub>3</sub> target by liquid-liquid extraction  
By: Banerjee, S; Lahiri, S; Manohar, SB; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 56 Issue: 4 Pages: 571-575 Article Number: PII S0969-8043(01)00256-1 Published: APR 2002
- 2,657. A three generation oscillation analysis of the Super-Kamiokande atmospheric neutrino data beyond one mass scale dominance approximation  
By: Choubey, S; Goswami, S; Kar, K  
ASTROPARTICLE PHYSICS Volume: 17 Issue: 1 Pages: 51-73 Article Number: PII S0927-6505(01)00125-6 Published: APR 2002
- 2,658. Quark number susceptibility in hard thermal loop approximation  
By: Chakraborty, P; Mustafa, MG; Thoma, MH  
EUROPEAN PHYSICAL JOURNAL C Volume: 23 Issue: 3 Pages: 591-596 Published: APR 2002
- 2,659. A cascaded genetic algorithm for efficient optimization and pattern matching  
By: Garai, G; Chaudhuri, BB  
IMAGE AND VISION COMPUTING Volume: 20 Issue: 4 Pages: 265-277 Article Number: PII S0262-8856(02)00019-7 Published: APR 1 2002
- 2,660. Extraction separation of Rb-86 from Sr-85 in trace level with 18-crown-6 in nitrobenzene  
By: Banerjee, S; Mukhopadhyay, K; Mukhopadhyay, B; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 252 Issue: 1 Pages: 157-160  
Published: APR 2002
- 2,661. Exciplex parameters: key factors in the dielectric behaviour of magnetodynamics  
By: Bandyopadhyay, S; Sen, K; Choudhury, SD; et al.  
MOLECULAR PHYSICS Volume: 100 Issue: 8 Pages: 1079-1084 Published: APR 2002
- 2,662. Effects of temperature and adsorbates on the composition profile of Pt-Rh nanocatalysts: a comparative study  
By: De Sarkar, A; Khanra, BC  
PHYSICA B-CONDENSED MATTER Volume: 315 Issue: 1-3 Pages: 82-87 Article Number: PII S0921-4526(01)01045-6 Published: APR 2002

- 2,663. Structural, transport, and magnetic properties of pure and La-doped RuSr<sub>2</sub>GdCu<sub>2</sub>O<sub>8</sub>  
By: Mandal, P; Hassen, A; Hemberger, J; et al.  
PHYSICAL REVIEW B Volume: 65 Issue: 14 Article Number: 144506 Published: APR 1 2002
- 2,664. Three generation neutrino oscillation parameters after SNO  
By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.  
PHYSICAL REVIEW D Volume: 65 Issue: 7 Article Number: 073031 Part: A Published: APR 1 2002
- 2,665. Energy independent solution to the solar neutrino anomaly including the SNO data  
By: Choubey, S; Goswami, S; Roy, DP  
PHYSICAL REVIEW D Volume: 65 Issue: 7 Article Number: 073001 Part: A Published: APR 1 2002
- 2,666. Neutrino anomalies and quasi Dirac neutrinos  
By: Goswami, S; Joshipura, AS  
PHYSICAL REVIEW D Volume: 65 Issue: 7 Article Number: 073025 Part: A Published: APR 1 2002
- 2,667. Spheromak as a relaxed state with minimum dissipation  
By: Dasgupta, B; Janaki, MS; Bhattacharyya, R; et al.  
PHYSICAL REVIEW E Volume: 65 Issue: 4 Article Number: 046405 Part: 2B Published: APR 2002
- 2,668. On reflection of ion acoustic waves  
By: Raychaudhuri, S; Ichiki, R; Kawai, Y  
PHYSICS OF PLASMAS Volume: 9 Issue: 4 Pages: 1125-1129 Published: APR 2002
- 2,669. Viability of bimaximal solution of the Zee mass matrix  
By: Brahmachari, B; Choubey, S  
PHYSICS LETTERS B Volume: 531 Issue: 1-2 Pages: 99-104 Article Number: PII S0370-2693(02)01366-7 Published: APR 4 2002
- 2,670. Experimental evidence of core modification in the near drip-line nucleus O-23  
By: Kanungo, R; Chiba, M; Iwasa, N; et al.  
PHYSICAL REVIEW LETTERS Volume: 88 Issue: 14 Article Number: 142502 Published: APR 8 2002
- 2,671. Correlators of open D-string theory from supergravity  
By: Bhattacharya, S; Roy, S  
PHYSICS LETTERS B Volume: 531 Issue: 3-4 Pages: 281-288 Article Number: PII S0370-2693(02)01480-6 Published: APR 11 2002
- 2,672. Evidence of swelling of SiO<sub>2</sub> upon thermal annealing  
By: Banerjee, S; Chakraborty, S; Lai, PT  
APPLIED PHYSICS LETTERS Volume: 80 Issue: 17 Pages: 3075-3077 Published: APR 29 2002
- 2,673. Scattering amplitude and shift in self-energy in medium  
By: Mallik, S  
EUROPEAN PHYSICAL JOURNAL C Volume: 24 Issue: 1 Pages: 143-147 Published: MAY 2002

- 2,674. Magnetotransport properties of  $\text{La}_2/3\text{Sr}_1/3\text{MnO}_3$  thin film  
By: Mandal, P; Choudhury, P; Barner, K; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 91 Issue: 9 Pages: 5940-5944 Published: MAY 1 2002
- 2,675. "Super-ferromagnetic" clusters in spinel oxide  
By: Bhowmik, RN; Ranganathan, R  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 247 Issue: 1 Pages: 83-91 Article Number: PII S0304-8853(02)00158-0 Published: MAY 2002
- 2,676. Anomalous width variation for rarefactive ion acoustic solitary waves in the presence of warm multi-ions  
By: Ghosh, SS; Iyengar, ANS  
JOURNAL OF PLASMA PHYSICS Volume: 67 Pages: 223-233 Part: 4 Published: MAY 2002
- 2,677. NMR study of the electronic state in the dense Kondo compound  $\text{CeNiAl}_4$   
By: Ghoshray, K; Bandyopadhyay, B; Ghoshray, A  
PHYSICAL REVIEW B Volume: 65 Issue: 17 Article Number: 174412 Published: MAY 1 2002
- 2,678. Flux loss distributions due to breakup in the elastic scattering of 56 MeV deuterons from V-51  
By: Ingemarsson, A; Karlsson, BR; Shyam, R  
PHYSICAL REVIEW C Volume: 65 Issue: 5 Article Number: 054604 Published: MAY 2002
- 2,679. Ferrites - what is new?  
By: Ranganathan, R; Ray, A  
PRAMANA-JOURNAL OF PHYSICS Volume: 58 Issue: 5-6 Pages: 995-1002 Published: MAY-JUN 2002
- 2,680. (NS5-brane, D5-brane, D3-brane) bound state, open D3-brane, open D5-brane limits, and  $\text{SL}(2, \mathbb{Z})$  duality  
By: Mitra, I; Roy, S  
PHYSICAL REVIEW D Volume: 65 Issue: 10 Article Number: 106001 Published: MAY 15 2002
- 2,681. Comparative studies of YAG(Ce) and CsI(Tl) scintillators  
By: Bhattacharjee, T; Basu, SK; Dey, CC; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 484 Issue: 1-3 Pages: 364-368 Article Number: PII S0168-9002(01)02025-3 Published: MAY 21 2002
- 2,682. Performance of a position sensitive low-pressure wire chamber (LPWC) having position readout from a separate sense wire plane: a critical analysis  
By: Basu, C; Das, BP; Roy, S; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 484 Issue: 1-3 Pages: 407-418 Article Number: PII S0168-9002(01)02034-4 Published: MAY 21 2002

- 2,683. A minimal three generation see-saw scenario for LSND  
By: Brahmachari, B; Choubey, S; Mohapatra, RN  
PHYSICS LETTERS B Volume: 536 Issue: 1-2 Pages: 94-100 Article Number: PII S0370-2693(02)01826-9 Published: MAY 30 2002
- 2,684. Production of multitracers by 80 MeV/A C-12 irradiation on thick gold foil  
By: Lahiri, S; Zhi, Q; Wen, YH; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 252 Issue: 3 Pages: 589-590  
Published: JUN 2002
- 2,685. Evolution of surface morphology of ion sputtered GaAs(100)  
By: Datta, D; Bhattacharyya, SR; Chini, TK; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 193 Pages: 596-602 Article Number: PII S0168-583X(02)00860-1  
Published: JUN 2002
- 2,686. Finite coherence length of thermal noise in percolating systems  
By: Bardhan, KK; Mukherjee, CD  
PHYSICAL REVIEW B Volume: 65 Issue: 21 Article Number: 212302 Published: JUN 1 2002
- 2,687. Postacceleration effects in the Coulomb dissociation of neutron halo nuclei  
By: Banerjee, P; Baur, G; Hencken, K; et al.  
PHYSICAL REVIEW C Volume: 65 Issue: 6 Article Number: 064602 Published: JUN 2002
- 2,688. Ordering and growth of Langmuir-Blodgett films: X-ray scattering studies  
By: Basu, JK; Sanyal, MK  
PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 363 Issue: 1 Pages: 1-84 Article Number: PII S0370-1573(01)00083-7 Published: JUN 2002
- 2,689. Irradiation induced oxygen knock-out effect on textured polycrystalline Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub> and Bi<sub>1.84</sub>Pb<sub>0.34</sub>Sr<sub>1.91</sub>Ca<sub>2.03</sub>Cu<sub>3.06</sub>O<sub>10+x</sub> superconductors  
By: Sen, P; Bandyopadhyay, SK; Nambissan, PMG; et al.  
SOLID STATE SCIENCES Volume: 4 Issue: 6 Pages: 783-786 Article Number: PII S1293-2558(02)01293-1 Published: JUN 2002
- 2,690. Perturbative S-matrix in discretized light cone quantization of two-dimensional phi(4) theory  
By: Harindranath, A; Martinovic, L; Vary, JP  
PHYSICS LETTERS B Volume: 536 Issue: 3-4 Pages: 250-258 Article Number: PII S0370-2693(02)01872-5 Published: JUN 6 2002
- 2,691. Neutrinoless double beta decay with negligible neutrino mass  
By: Brahmachari, B; Ma, E  
PHYSICS LETTERS B Volume: 536 Issue: 3-4 Pages: 259-262 Article Number: PII S0370-2693(02)01869-5 Published: JUN 6 2002

- 2,692. Fractional statistics in some exactly solvable models with PT invariant interactions  
By: Basu-Mallick, B  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 16 Issue: 14-15 Pages: 1875-1882  
Published: JUN 20 2002
- 2,693. Anomaly in cluster glass behaviour of  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{O}_4$  spinel oxide  
By: Bhowmik, RN; Ranganathan, R  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 248 Issue: 1 Pages: 101-111  
Article Number: PII S0304-8853(02)00190-7 Published: JUL 2002
- 2,694. Bose-Einstein condensation in dense matter and the third family of compact stars  
By: Banik, S; Bandyopadhyay, D  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 28 Issue: 7 Pages: 1949-1952  
Article Number: PII S0954-3899(02)31293-3 Published: JUL 2002
- 2,695. Dynamic critical behavior of failure and plastic deformation in the random fiber bundle model  
By: Pradhan, S; Bhattacharyya, P; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 66 Issue: 1 Article Number: 016116 Part: 2 Published: JUL 2002
- 2,696. Temperature, pressure and solvent dependence of positronium acceptor reactions  
By: Gangopadhyay, D; Ganguly, B; Dutta-Roy, B  
RADIATION PHYSICS AND CHEMISTRY Volume: 64 Issue: 4 Pages: 283-288 Article Number: PII S0969-806X(01)00580-1 Published: JUL 2002
- 2,697. Low temperature luminescence behaviours of 7-azatryptophan, 5-hydroxytryptophan and their chromophoric moieties  
By: Sengupta, B; Guharay, J; Chakraborty, A; et al.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 58 Issue: 9 Pages: 2005-2012 Article Number: PII S1386-1425(01)00651-5 Published: JUL 2002
- 2,698. Purification and preliminary X-ray studies on hen serotransferrin in apo- and holo-forms  
By: Choudhury, D; Thakurta, PG; Dasgupta, R; et al.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 295 Issue: 1 Pages: 125-128 Article Number: PII S0006-291X(02)00626-5 Published: JUL 5 2002
- 2,699. Interaction of mithramycin and chromomycin A(3) with  $d(\text{TAGCTAGCTA})_2$ : Role of sugars in antibiotic-DNA recognition  
By: Chakrabarti, S; Bhattacharyya, B; Dasgupta, D  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 106 Issue: 27 Pages: 6947-6953 Published: JUL 11 2002
- 2,700. Algebraic Bethe ansatz for a quantum integrable derivative nonlinear Schrodinger model  
By: Basu-Mallick, B; Bhattacharyya, T

NUCLEAR PHYSICS B Volume: 634 Issue: 3 Pages: 611-627 Article Number: PII S0550-3213(02)00288-2 Published: JUL 15 2002

2,701. Noncommutative oscillators and the commutative limit

By: Muthukumar, B; Mitra, P

PHYSICAL REVIEW D Volume: 66 Issue: 2 Article Number: 027701 Published: JUL 15 2002

2,702. Microwave spectrum and quadrupole coupling constants of (CF<sub>3</sub>Br)-C-13

By: Chakrabarti, S; Jaman, AI

JOURNAL OF MOLECULAR STRUCTURE Volume: 612 Issue: 2-3 Special Issue: SI Pages: 103-108 Article Number: PII S0022-2860(02)00080-7 Published: JUL 17 2002

2,703. Microwave spectrum and quadrupole coupling constant of 2,3-difluorobenzonitrile

By: Onda, M; Kasagi, T; Jaman, AI

JOURNAL OF MOLECULAR STRUCTURE Volume: 612 Issue: 2-3 Special Issue: SI Pages: 167-170 Article Number: PII S0022-2860(02)00087-X Published: JUL 17 2002

2,704. What can SNO neutral current rate teach us about the solar neutrino anomaly

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

MODERN PHYSICS LETTERS A Volume: 17 Issue: 22 Pages: 1455-1464 Published: JUL 20 2002

2,705. Implications of the first neutral current data from SNO for solar neutrino oscillation

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICS LETTERS B Volume: 540 Issue: 1-2 Pages: 14-19 Article Number: PII S0370-2693(02)02138-X Published: JUL 25 2002

2,706. New series of integrable vertex models through a unifying approach

By: Kundu, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 35 Issue: 29 Pages: L447-L453 Article Number: PII S0305-4470(02)37199-3 Published: JUL 26 2002

2,707. Dynamic transitions in pure Ising magnets under pulsed and oscillating fields

By: Chakrabarti, BK; Misra, A

COMPUTER PHYSICS COMMUNICATIONS Volume: 147 Issue: 1-2 Pages: 120-125 Article Number: PII S0010-4655(02)00229-1 Published: AUG 1 2002

2,708. On supergravity solutions of space-like D<sub>p</sub>-branes

By: Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 025 Published: AUG 2002

2,709. Bose-Einstein condensation in dense nuclear matter and strong magnetic fields

By: Dey, P; Bhattacharyya, A; Bandyopadhyay, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 28 Issue: 8 Pages: 2179-2186 Article Number: PII S0954(02)3366805 Published: AUG 2002



- 2,710. Decontamination of radioactive cesium from natural NaCl by amide-type open-chain crown ethers  
By: Wen, YH; Lahiri, S; Qin, Z; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 253 Issue: 2 Pages: 263-265  
Published: AUG 2002
- 2,711. Jahn-Teller transition in  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$  in the low-doping region ( $0 < x \leq 0.1$ )  
By: Chatterji, T; Ouladdiaf, B; Mandal, P; et al.  
PHYSICAL REVIEW B Volume: 66 Issue: 5 Article Number: 054403 Published: AUG 1 2002
- 2,712. Structure factor of a dimerized Fibonacci lattice  
By: Moitra, RK; Chakrabarti, A; Karmakar, SN  
PHYSICAL REVIEW B Volume: 66 Issue: 6 Article Number: 064212 Published: AUG 1 2002
- 2,713. Power-law enhancement of neutrino mixing angles in extra dimensions  
By: Bhattacharyya, G; Goswami, S; Raychaudhuri, A  
PHYSICAL REVIEW D Volume: 66 Issue: 3 Article Number: 033008 Published: AUG 1 2002
- 2,714. Determination of heavy metals in industrial wastes by SXRF method  
By: Chatterjee, JM; Sarkar, M; Roy, S; et al.  
RADIATION PHYSICS AND CHEMISTRY Volume: 64 Issue: 5-6 Pages: 369-372 Article Number: PII S0969-806X(01)00504-7 Published: AUG 2002
- 2,715. One-electron reduction of 1,2-dihydroxy-9,10-anthraquinone and some of its transition metal complexes in aqueous solution and in aqueous isopropanol-acetone-mixed solvent: a steady-state and pulse radiolysis study  
By: Das, S; Bhattacharya, A; Mandal, PC; et al.  
RADIATION PHYSICS AND CHEMISTRY Volume: 65 Issue: 1 Pages: 93-100 Article Number: PII S0969-806X(01)00451-0 Published: AUG 2002
- 2,716. General trends of positronium pick-off annihilation in molecular substances  
By: Dutta, D; Ganguly, BN; Gangopadhyay, D; et al.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 14 Issue: 32 Pages: 7539-7549 Article Number: PII S0953-8984(02)33502-1 Published: AUG 19 2002
- 2,717. 1  $\alpha$ ,25-Dihydroxyvitamin D-3 inhibits rat liver ultrastructural changes and the development of gamma-glutamyltranspeptidase-positive foci in diethylnitrosamine-initiated and streptozotocin-induced diabetes-promoted hepatocarcinogenesis  
By: Saha, BK; Bhattacharya, R; Chatterjee, M  
CELL BIOCHEMISTRY AND FUNCTION Volume: 20 Issue: 3 Pages: 195-204 Published: SEP 2002
- 2,718. MC model studies of  $\text{CeO}_2$ -metal interaction in Pt-Rh nanocatalysts  
By: De Sarkar, A; Khanra, BC  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 41 Issue: 9 Pages: 1784-1788 Published: SEP 2002

- 2,719. A molecular basis of the bubble model of positronium annihilation in liquids  
By: Stepanov, SV; Byakov, VM; Ganguly, BN; et al.  
PHYSICA B-CONDENSED MATTER Volume: 322 Issue: 1-2 Pages: 68-79 Article Number: PII S0921-4526(02)00601-4 Published: SEP 2002
- 2,720. Texture of neutrino mass matrix in view of recent neutrino experimental results  
By: Ghosal, A; Majumdar, D  
PHYSICAL REVIEW D Volume: 66 Issue: 5 Article Number: 053004 Published: SEP 1 2002
- 2,721. Thermal QCD sum rules for mesons  
By: Mallik, S; Sarkar, S  
PHYSICAL REVIEW D Volume: 66 Issue: 5 Article Number: 056008 Published: SEP 1 2002
- 2,722. Morphology of nanostructured materials  
By: Sanyal, MK; Datta, A; Hazra, S  
PURE AND APPLIED CHEMISTRY Volume: 74 Issue: 9 Pages: 1553-1570 Published: SEP 2002
- 2,723. Characteristics of a Compton suppressed Clover detector up to 5 MeV  
By: Sarkar, MS; Datta, P; Ray, I; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 491 Issue: 1-2 Pages: 113-121 Article Number: PII S0168-9002(02)01119-1 Published: SEP 21 2002
- 2,724. The study of positron annihilation lifetime spectroscopy and X-ray diffraction on oxygen irradiated textured polycrystalline  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  and  $\text{Bi}_{1.84}\text{Pb}_{0.34}\text{Sr}_{1.91}\text{Ca}_{2.03}\text{Cu}_{3.06}\text{O}_{10+\delta}$  superconductors  
By: Sen, P; Bandyopadhyay, SK; Nambissan, PMG; et al.  
PHYSICS LETTERS A Volume: 302 Issue: 5-6 Pages: 330-335 Article Number: PII S0375-9601(02)01166-0 Published: SEP 30 2002
- 2,725. Crystallization and preliminary X-ray analysis of cyclophilin from *Leishmania donovani*  
By: Banerjee, R; Dutta, M; Sen, M; et al.  
ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 58 Special Issue: 2 Pages: 1846-1847 Part: 10 Published: OCT 2002
- 2,726. Synthesis of a new ion exchanger, zirconium vanadate, and its application to the separation of barium and cesium radionuclides at tracer levels  
By: Roy, K; Pal, DK; Basu, S; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 57 Issue: 4 Pages: 471-474 Article Number: PII S0969-8043(02)00136-7 Published: OCT 2002
- 2,727. Alternative radiochemical heavy ion activation methods for the production and separation of thallium radionuclides  
By: Nayak, D; Lahiri, S; Ramaswami, A

APPLIED RADIATION AND ISOTOPES Volume: 57 Issue: 4 Pages: 483-489 Article Number: PII S0969-8043(02)00142-2 Published: OCT 2002

2,728. Vector and axial-vector mesons at finite temperature

By: Mallik, S; Sarkar, S

EUROPEAN PHYSICAL JOURNAL C Volume: 25 Issue: 3 Pages: 445-452 Published: OCT 2002

2,729. Spectroscopic studies of micro environment dictated structural forms of piroxicam and meloxicam

By: Banerjee, R; Sarkar, M

JOURNAL OF LUMINESCENCE Volume: 99 Issue: 3 Pages: 255-263 Article Number: PII S0022-2313(02)00344-7 Published: OCT 2002

2,730. Differential elastic scattering cross sections of 22.1-keV x rays by elements in the range  $22 \leq Z \leq 82$

By: Mandal, AC; Mitra, D; Sarkar, M; et al.

PHYSICAL REVIEW A Volume: 66 Issue: 4 Article Number: 042705 Published: OCT 2002

2,731. Shadowing in photoabsorption: Role of in-medium hadrons

By: Alam, J; Ghosh, SK; Roy, P; et al.

PHYSICAL REVIEW C Volume: 66 Issue: 4 Article Number: 042202 Published: OCT 2002

2,732. Statistical model analysis of fission fragment angular distributions for the system O-16+Ta-181

By: Behera, BR; Jena, S; Satpathy, M; et al.

PHYSICAL REVIEW C Volume: 66 Issue: 4 Article Number: 047602 Published: OCT 2002

2,733. Dissipative collisions in O-16+Al-27 at E-lab=116 MeV

By: Bhattacharya, C; Mullick, K; Bhattacharya, S; et al.

PHYSICAL REVIEW C Volume: 66 Issue: 4 Article Number: 047601 Published: OCT 2002

2,734. Search for oscillations in evaporation alpha-particle spectra from hot compound nuclei

By: Das, P; Ray, A; Banerjee, SR; et al.

PHYSICAL REVIEW C Volume: 66 Issue: 4 Article Number: 044612 Published: OCT 2002

2,735. Isospin-rich nuclei in neutron star matter

By: Sil, T; De, JN; Samaddar, SK; et al.

PHYSICAL REVIEW C Volume: 66 Issue: 4 Article Number: 045803 Published: OCT 2002

2,736. General analysis with trilinear and bilinear R-parity violating couplings in the light of recent SNO data

By: Abada, A; Bhattacharyya, G; Losada, M

PHYSICAL REVIEW D Volume: 66 Issue: 7 Article Number: 071701 Published: OCT 1 2002

2,737. Study of the eta-nucleus interaction in the pd -> He-3 eta reaction near threshold

By: Khemchandani, KP; Kelkar, NG; Jain, BK

NUCLEAR PHYSICS A Volume: 708 Issue: 3-4 Pages: 312-324 Article Number: PII S0375-9474(02)01025-4 Published: OCT 7 2002

2,738. Langevin dynamics of J/psi in a parton plasma

By: Patra, BK; Menon, VJ

NUCLEAR PHYSICS A Volume: 708 Issue: 3-4 Pages: 353-364 Article Number: PII S0375-9474(02)01013-8 Published: OCT 7 2002

2,739. Structural and magnetic properties of room temperature milled Co<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> spinel oxide

By: Bhowmik, RN; Ranganathan, R

JOURNAL OF MATERIALS SCIENCE Volume: 37 Issue: 20 Pages: 4391-4398 Published: OCT 15 2002

2,740. Energy-dependent wavelength of the ion-induced nanoscale ripple

By: Chini, TK; Sanyal, MK; Bhattacharyya, SR

PHYSICAL REVIEW B Volume: 66 Issue: 15 Article Number: 153404 Published: OCT 15 2002

2,741. Brane dynamics in the Randall-Sundrum model, inflation and graceful exit

By: Bhattacharya, S; Choudhury, D; Jatkar, DP; et al.

CLASSICAL AND QUANTUM GRAVITY Volume: 19 Issue: 20 Pages: 5025-5038 Article Number: PII S0264-9381(02)33298-2 Published: OCT 21 2002

2,742. Space-time evolution of ultra-relativistic heavy ion collisions and hadronic spectra

By: Patra, BK; Alam, JE; Roy, P; et al.

NUCLEAR PHYSICS A Volume: 709 Pages: 440-450 Article Number: PII S0375-9474(02)01074-6 Published: OCT 21 2002

2,743. Structural, thermal stability and defect studies of Fe-Ag alloy prepared by electrodeposition technique

By: Roy, MK; Nambissan, PMG; Verma, HC

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 345 Issue: 1-2 Pages: 183-188 Article Number: PII S0925-8388(02)00480-2 Published: OCT 28 2002

2,744. Electrochemical oxidation and reduction of nitroxides: A cyclic voltammetric and simulation study

By: Chabita, K; Mandal, PC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 41 Issue: 11 Pages: 2231-2237 Published: NOV 2002

2,745. Alternative production and separation method of In-111 by heavy ion activation of silver

By: Nayak, D; Lahiri, S; Ramaswami, A

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 41 Issue: 11 Pages: 2300-2302 Published: NOV 2002

- 2,746. Mass and scalar cross sections for neutralino dark matter in the anomaly mediated supersymmetry breaking model  
By: Majumdar, D  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 28 Issue: 11 Pages: 2747-2753  
Article Number: PII S0954-3899(02)33376-0 Published: NOV 2002
- 2,747. Tracer packet: A new conception for the production of tracers of micro nutrient elements  
By: Lahiri, S; Nayak, D  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 254 Issue: 2 Pages: 289-292  
Published: NOV 2002
- 2,748. K-alpha X-ray satellite of Si and P induced by photons  
By: Santra, S; Mandal, AC; Mitra, S; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 197 Issue: 1-2 Pages: 1-10 Article Number: PII S0168-583X(02)01312-5 Published: NOV 2002
- 2,749. Breathers in a discrete nonlinear Schrodinger-type model: Exact stability results  
By: Lahiri, A; Panda, S; Roy, TK  
PHYSICAL REVIEW E Volume: 66 Issue: 5 Article Number: 056603 Published: NOV 2002
- 2,750. On line multitarget selection device with multiple facilities  
By: Roy, S; Das, A; Ibomcha, N; et al.  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 73 Issue: 11 Pages: 3759-3763 Published: NOV 2002
- 2,751. First triaxial superdeformed band in Hf-170  
By: Neuberger, A; Hubel, H; Hagemann, GB; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 15 Issue: 4 Pages: 439-441 Published: DEC 2002
- 2,752. A cascaded genetic algorithm for efficient optimization and pattern matching (vol 20, pg 265, 2002)  
By: Garai, G; Chaudhuri, BB  
IMAGE AND VISION COMPUTING Volume: 20 Issue: 13-14 Pages: 1017-1019 Published: DEC 1 2002
- 2,753. Distributions of money in model markets of economy  
By: Chakraborti, A  
INTERNATIONAL JOURNAL OF MODERN PHYSICS C Volume: 13 Issue: 10 Pages: 1315-1321  
Published: DEC 2002
- 2,754. Production of tracer packet of heavy and toxic elements  
By: Nayak, D; Lahiri, S  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 254 Issue: 3 Pages: 619-623  
Published: DEC 2002

2,755. Self-absorption correction factor for a sample excited by the bremsstrahlung radiation

By: Mandal, AC; Santra, S; Mitra, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 197 Issue: 3-4 Pages: 179-184 Article Number: PII S0168-583X(02)01489-1 Published: DEC 2002

2,756. Density dependent hadron field theory for neutron stars with antikaon condensates

By: Banik, S; Bandyopadhyay, D

PHYSICAL REVIEW C Volume: 66 Issue: 6 Article Number: 065801 Published: DEC 2002

2,757. Coulomb-nuclear interference in the breakup of Be-11

By: Chatterjee, R; Shyam, R

PHYSICAL REVIEW C Volume: 66 Issue: 6 Article Number: 061601 Published: DEC 2002

2,758. Reversible negative thermal expansion of polymer films

By: Mukherjee, M; Bhattacharya, M; Sanyal, MK; et al.

PHYSICAL REVIEW E Volume: 66 Issue: 6 Article Number: 061801 Part: 1 Published: DEC 2002

2,759. Conducting semi-IPN based on polyaniline and crosslinked poly(vinyl alcohol)

By: Gangopadhyay, R; De, A

SYNTHETIC METALS Volume: 132 Issue: 1 Pages: 21-28 Article Number: PII S0379-6779(02)00212-6 Published: DEC 2002

2,760. Microwave spectrum of 2,4-difluorophenol: cis conformer

By: Chakrabarti, S; Jaman, AI

JOURNAL OF MOLECULAR STRUCTURE Volume: 642 Issue: 1-3 Pages: 93-96 Article Number: PII S0022-2860(02)00398-8 Published: DEC 4 2002

2,761. The interaction of quercetin with human serum albumin: a fluorescence spectroscopic study

By: Sengupta, B; Sengupta, PK

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 299 Issue: 3 Pages: 400-403 Article Number: PII S0006-291X(02)02667-0 Published: DEC 6 2002

2,762. Ultralocal solutions for quantum integrable non-ultralocal models

By: Kundu, A

PHYSICS LETTERS B Volume: 550 Issue: 1-2 Pages: 128-134 Article Number: PII S0370-2693(02)02970-2 Published: DEC 12 2002

2,763. Nonlinear evolution of ion-acoustic waves in unmagnetized plasma

By: Chakrabarti, N; Janaki, MS

PHYSICS LETTERS A Volume: 305 Issue: 6 Pages: 393-398 Article Number: PII S0375-9601(02)01501-3 Published: DEC 16 2002

2,764. The tertiary amine local anesthetic dibucaine binds to the membrane skeletal protein spectrin

By: Mondal, M; Chakrabarti, A

FEBS LETTERS Volume: 532 Issue: 3 Pages: 396-400 Article Number: PII S0014-5793(02)03721-3  
Published: DEC 18 2002

2,765.Haplotype structure of TP53 locus in Indian population and possible association with head and neck cancer

By: Mitra, S; Chatterjee, S; Panda, CK; et al.

ANNALS OF HUMAN GENETICS Volume: 67 Pages: 26-34 Part: 1 Published: JAN 2003

2,766.Association of fluorescent probes 1-anilinonaphthalene-8-sulfonate and 4,4'-dianilino-1,1'-binaphthyl-5,5'-disulfonic acid with T7 RNA polymerase

By: Ghosh, U; Das, M; Dasgupta, D

BIOPOLYMERS Volume: 72 Issue: 4 Pages: 249-255 Published: 2003

2,767.Binding of quercetin with human serum albumin: A critical spectroscopic study

By: Sengupta, B; Sengupta, PK

BIOPOLYMERS Volume: 72 Issue: 6 Pages: 427-434 Published: 2003

2,768.Erythroid spectrin in micellar detergents

By: Ray, S; Chakrabarti, A

CELL MOTILITY AND THE CYTOSKELETON Volume: 54 Issue: 1 Pages: 16-28 Published: JAN 2003

2,769.More on Penrose limits and non-local theories

By: Bhattacharya, S; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 064 Published: JAN 2003

2,770.Separation of carrier- In-111, Te-116,Te-117 and Sb-116,Sb-116m,Sb-117 from a B-11-induced silver target

By: Mukhopadhyay, B; Lahiri, S; Mukhopadhyay, K; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 256 Issue: 2 Pages: 307-310  
Published: 2003

2,771.Separation of carrier- Tc-95 from alpha-irradiated natural niobium

By: Roy, K; Basu, S; Pal, DK; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 256 Issue: 2 Pages: 311-313  
Published: 2003

2,772.Application of tracer packet technique to the study of the bio-sorption of heavy and toxic metal radionuclides by algae

By: Nayak, D; Lahiri, S; Mukhopadhyay, A; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 256 Issue: 3 Pages: 535-539  
Published: 2003

2,773.Solvent extraction of (SC)-S-46 with PMBP

By: Lahiri, S; Wu, XL; Yang, WF; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 257 Issue: 2 Pages: 431-432  
Published: 2003

2,774. Money in gas-like markets: Gibbs and Pareto laws

By: Chatterjee, A; Chakrabarti, BK; Manna, SS

PHYSICA SCRIPTA Volume: T106 Pages: 36-38 Published: 2003

2,775. Analytic treatment of a trading market model

By: Das, A; Yarlagadda, S

PHYSICA SCRIPTA Volume: T106 Pages: 39-40 Published: 2003

2,776. Magnitude distribution of earthquakes: Two fractal contact area distribution

By: Pradhan, S; Chakrabarti, BK; Ray, P; et al.

PHYSICA SCRIPTA Volume: T106 Pages: 77-81 Published: 2003

2,777. The nature of most probable paths at finite temperatures

By: Bhattacharyya, P

PHYSICA SCRIPTA Volume: T106 Pages: 89-91 Published: 2003

2,778. Higher order statistical analysis of fluctuations in a plasma

By: Narayanan, R; Janaki, MS; Iyengar, ANS

PHYSICA SCRIPTA Volume: T106 Pages: 92-94 Published: 2003

2,779. Possible coexistence of principal and tilted axis rotation in Ag-103

By: Datta, P; Chattopadhyay, S; Banerjee, P; et al.

PHYSICAL REVIEW C Volume: 67 Issue: 1 Article Number: 014325 Published: JAN 2003

2,780. Relaxation phenomenon in the field reversed configuration

By: Bhattacharyya, R; Janaki, MS; Dasgupta, B

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 45 Issue: 1 Pages: 63-70 Article Number: PII S0741-3335(03)37456-1 Published: JAN 2003

2,781. An empirical fit to estimated neutron emission cross sections from proton induced reactions

By: Maiti, M; Nandy, M; Roy, SN; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 1 Pages: 143-150 Published: JAN 2003

2,782. Extraction separation of No-carrier-added astatine from bismuth target

By: Nayak, D; Lahiri, S

RADIOCHIMICA ACTA Volume: 91 Issue: 3 Pages: 159-161 Published: 2003

2,783. Simple fluorescence assays probing conformational changes of Escherichia coli RNA polymerase during transcription initiation

By: Sen, R; Dasgupta, D

RNA POLYMERASES AND ASSOCIATED FACTORS, PT C Book Series: Methods in Enzymology Volume: 370 Pages: 598-605 Published: 2003



2,784.Coulomb breakup of the neutron-rich isotopes C-15 and C-17

By: Pramanik, UD; Aumann, T; Boretzky, K; et al.

PHYSICS LETTERS B Volume: 551 Issue: 1-2 Pages: 63-70 Article Number: PII S0370-2693(02)03016-2 Published: JAN 2 2003

2,785.A non-singular potential for the Dirac monopole

By: Ghosh, RK; Pal, PB

PHYSICS LETTERS B Volume: 551 Issue: 3-4 Pages: 387-390 Published: JAN 9 2003

2,786.Transmission through finite ID barriers containing correlated impurities: an analytic formulation

By: Atikur, R; Moitra, RK

PHYSICS LETTERS A Volume: 307 Issue: 2-3 Pages: 158-165 Published: JAN 27 2003

2,787.First evidence for triaxial superdeformation in Lu-161 and Lu-162

By: Bringel, P; Hubel, H; Amro, H; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 16 Issue: 2 Pages: 155-158 Published: FEB 2003

2,788.Kinematical separation of alpha-n final-state interaction at 50 MeV incident energy

By: Dey, S; Dasgupta, SS; Dey, CC; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 16 Issue: 2 Pages: 193-197 Published: FEB 2003

2,789.Association of anticancer drug mithramycin with H1-depleted chromatin: a comparison with native chromatin

By: Mir, MA; Dasgupta, D

JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 94 Issue: 1-2 Pages: 72-77 Published: FEB 1 2003

2,790.Magnetic study on  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{-xGa}_x\text{O}_4$  ( $x=0-1$ ) spinel oxide

By: Bhowmik, RN; Ranganathan, R

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 257 Issue: 2-3 Pages: 220-234 Article Number: PII S0304-8853(02)01173-3 Published: FEB 2003

2,791.Generation of new classes of integrable quantum and statistical models

By: Kundu, A

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 318 Issue: 1-2 Pages: 144-153 Article Number: PII S0378-4371(02)01419-X Published: FEB 1 2003

2,792.CP-violating Majorana phases, lepton-conserving processes, and final state interactions

By: Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 67 Issue: 3 Article Number: 036005 Published: FEB 1 2003

2,793.Sterile neutrino in a minimal three-generation see-saw model

By: Brahmachari, B; Choubey, S; Mohapatra, RN

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 2 Pages: 377-381 Published: FEB 2003

- 2,794. Working group report: Quantum chromodynamics (QCD) and hadronic structure  
By: Basu, R; Ravindran, V  
PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 2 Pages: 401-404 Published: FEB 2003
- 2,795. Inhibition of epidermal growth factor response in V79 fibroblasts after repetitive oxidative stress  
By: Bagchi-Mukherjee, S; Sen, P; Bhaumik, G; et al.  
CURRENT SCIENCE Volume: 84 Issue: 3 Pages: 438-443 Published: FEB 10 2003
- 2,796. The DRAGON facility for nuclear astrophysics at TRIUMF-ISAC: design, construction and operation  
By: Hutcheon, DA; Bishop, S; Buchniann, L; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 498 Issue: 1-3 Pages: 190-210 Published: FEB 11 2003
- 2,797. Conformational heterogeneity of a turn mimetic pseudo-peptide: comparison of crystal state, solution and theoretically derived structures  
By: Maji, SK; Haidar, D; Bhattacharyya, DB; et al.  
JOURNAL OF MOLECULAR STRUCTURE Volume: 646 Issue: 1-3 Pages: 111-123 Article Number: PII S0022-2860(02)00619-1 Published: FEB 19 2003
- 2,798. Phospholipid assisted folding of a denatured heme protein: effect of phosphatidylethanolamine  
By: Debnath, D; Bhattacharya, S; Chakrabarti, A  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 301 Issue: 4 Pages: 979-984 Published: FEB 21 2003
- 2,799. Neutrino decay confronts the SNO data  
By: Bandyopadhyay, A; Choubey, S; Goswami, S  
PHYSICS LETTERS B Volume: 555 Issue: 1-2 Pages: 33-42 Published: FEB 27 2003
- 2,800. Enigmatic features of positronium acceptor reactions in associative solvents  
By: Gangopadhyay, D; Ganguly, BN  
CHEMICAL PHYSICS LETTERS Volume: 369 Issue: 5-6 Pages: 513-518 Published: FEB 28 2003
- 2,801. Re-entrant spin glass and magnetoresistance in  $\text{Co}_0.2\text{Zn}_0.8\text{Fe}_{1.6}\text{Ti}_{0.4}\text{O}_4$  spinel oxide  
By: Bhowmik, RN; Ranganathan, R  
JOURNAL OF APPLIED PHYSICS Volume: 93 Issue: 5 Pages: 2780-2788 Published: MAR 1 2003
- 2,802. Penrose limit and NCYM theories in diverse dimensions  
By: Bhattacharya, S; Roy, S  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 053 Published: MAR 2003
- 2,803. Magnetic properties of  $\text{LaMnO}_3$   
By: Chatterjee, L

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 196 Issue: 1 Pages: 267-270 Published: MAR 2003

2,804.Small-world properties of the Indian railway network

By: Sen, P; Dasgupta, S; Chatterjee, A; et al.

PHYSICAL REVIEW E Volume: 67 Issue: 3 Article Number: 036106 Part: 2 Published: MAR 2003

2,805.Suppression of magnetic instabilities in accelerating plasma surfaces by sheared electron flow

By: Chakrabarti, N

PHYSICS OF PLASMAS Volume: 10 Issue: 3 Pages: 600-604 Published: MAR 2003

2,806.Er diffusion into gallium nitride

By: Chen, CC; Ting, YS; Lee, CC; et al.

SOLID-STATE ELECTRONICS Volume: 47 Issue: 3 Pages: 529-531 Article Number: PII S0038-1101(02)00407-0 Published: MAR 2003

2,807.Relics of cosmic quark-hadron phase transition and massive compact halo objects

By: Banerjee, S; Bhattacharyya, A; Ghosh, SK; et al.

NUCLEAR PHYSICS A Volume: 715 Special Issue: SI Pages: 827C-830C Published: MAR 10 2003

2,808.Thermodynamics of a classical ideal gas at arbitrary temperatures

By: Pal, PB

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 17 Issue: 7 Pages: 1035-1041 Published: MAR 20 2003

2,809.Massive Compact Halo Objects from the relics of the cosmic quark-hadron transition

By: Banerjee, S; Bhattacharyya, A; Ghosh, SK; et al.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 340 Issue: 1 Pages: 284-288 Published: MAR 21 2003

2,810.Solvent geometry and exciplex stability

By: Choudhury, SD; Basu, S

CHEMICAL PHYSICS LETTERS Volume: 371 Issue: 1-2 Pages: 136-140 Published: MAR 28 2003

2,811.Radiochemical separation of carrier- Bi-204,Bi-206 from alpha-irradiated thallium oxide target

By: Nayak, D; Lahiri, S; Roy, K; et al.

APPLIED RADIATION AND ISOTOPES Volume: 58 Issue: 4 Pages: 447-450 Published: APR 2003

2,812.Can radiative magnification of mixing angles occur for two-zero neutrino mass matrix textures?

By: Bhattacharyya, G; Raychaudhuri, A; Sil, A

PHYSICAL REVIEW D Volume: 67 Issue: 7 Article Number: 073004 Published: APR 2003

2,813.Fermions on the light front transverse lattice

By: Chakrabarti, D; De, AK; Harindranath, A

PHYSICAL REVIEW D Volume: 67 Issue: 7 Article Number: 076004 Published: APR 2003

- 2,814. Power-law wave functions and generalized parton distributions for the pion  
By: Mukherjee, A; Musatov, IV; Pauli, HC; et al.  
PHYSICAL REVIEW D Volume: 67 Issue: 7 Article Number: 073014 Published: APR 2003
- 2,815. Phase transition in fiber bundle models with recursive dynamics  
By: Bhattacharyya, P; Pradhan, S; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 67 Issue: 4 Article Number: 046122 Part: 2 Published: APR 2003
- 2,816. Fluctuation cumulant behavior for the field-pulse-induced magnetization-reversal transition in Ising models  
By: Chatterjee, A; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 67 Issue: 4 Article Number: 046113 Part: 2 Published: APR 2003
- 2,817. Failure due to fatigue in fiber bundles and solids  
By: Pradhan, S; Chakrabarti, BK  
PHYSICAL REVIEW E Volume: 67 Issue: 4 Article Number: 046124 Part: 2 Published: APR 2003
- 2,818. Can van Hove singularities be observed in relativistic heavy-ion collisions?  
By: Mustafa, MG; Thoma, MH  
PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 4 Special Issue: SI Pages: 711-723 Published: APR 2003
- 2,819. Perturbative expansion using a variational phonon basis for the Holstein model  
By: Chatterjee, J; Das, AN; Choudhury, P  
SOLID STATE COMMUNICATIONS Volume: 126 Issue: 3 Pages: 113-118 Published: APR 2003
- 2,820. Photophysical studies of oxycam group of NSAIDs: piroxicam, meloxicam and tenoxicam  
By: Banerjee, R; Chakraborty, H; Sarkar, M  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 59 Issue: 6 Pages: 1213-1222 Article Number: PII S1386-1425(02)00300-1 Published: APR 2003
- 2,821. Crystallization and preliminary X-ray structural studies of hemoglobin A(2) and hemoglobin E, isolated from the blood samples of beta-thalassemic patients  
By: Dasgupta, J; Sen, U; Choudhury, D; et al.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 303 Issue: 2 Pages: 619-623 Published: APR 4 2003
- 2,822. Asymptotically non-flat rotating dilaton black holes  
By: Ghosh, T; Mitra, P  
CLASSICAL AND QUANTUM GRAVITY Volume: 20 Issue: 7 Pages: 1403-1410 Article Number: PII S0264-9381(03)57322-1 Published: APR 7 2003
- 2,823. Point contact spectroscopy of Al<sub>70</sub>Pd<sub>30</sub>-xMnx quasicrystals  
By: Banerjee, GN; Banerjee, S; Goswami, R

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 15 Issue: 14 Pages: 2317-2326 Article Number: PII S0953-8984(03)55110-4 Published: APR 16 2003

2,824.Comment on "Experimental evidence of core modification in the near drip-line nucleus O-23" - Reply

By: Kanungo, R; Chiba, M; Iwasa, N; et al.

PHYSICAL REVIEW LETTERS Volume: 90 Issue: 15 Article Number: 159202 Published: APR 18 2003

2,825.Na-21(p,gamma)Mg-22 reaction and oxygen-neon novae

By: Bishop, S; Azuma, RE; Buchmann, L; et al.

PHYSICAL REVIEW LETTERS Volume: 90 Issue: 16 Article Number: 162501 Published: APR 25 2003

2,826.Collisional Rayleigh-Taylor instability and shear-flow in equatorial Spread-F plasma

By: Chakrabarti, N; Lakhina, GS

ANNALES GEOPHYSICAE Volume: 21 Issue: 5 Pages: 1153-1157 Published: MAY 2003

2,827.Incorporation of NSAIDs in micelles: implication of structural switchover in drug-membrane interaction

By: Chakraborty, H; Banerjee, R; Sarkar, M

BIOPHYSICAL CHEMISTRY Volume: 104 Issue: 1 Pages: 315-325 Published: MAY 1 2003

2,828.Interaction of erythroid spectrin with hemoglobin variants: implications in beta-thalassemia

By: Datta, P; Chakrabarty, SB; Chakrabarty, A; et al.

BLOOD CELLS MOLECULES AND DISEASES Volume: 30 Issue: 3 Pages: 248-253 Published: MAY-JUN 2003

2,829.Nothing but relativity

By: Pal, PB

EUROPEAN JOURNAL OF PHYSICS Volume: 24 Issue: 3 Pages: 315-319 Article Number: PII S0143-0807(03)58548-8 Published: MAY 2003

2,830.Lifetime measurements of some levels belonging to the 3p(5)nd (n = 4, 5, 6, 7) configuration of ArI

By: Das, MB; Karmakar, S

EUROPEAN PHYSICAL JOURNAL D Volume: 23 Issue: 2 Pages: 229-231 Published: MAY 2003

2,831.Photon interferometry and size of the hot zone in relativistic heavy ion collisions

By: Alam, JE; Mohanty, B; Roy, P; et al.

PHYSICAL REVIEW C Volume: 67 Issue: 5 Article Number: 054902 Published: MAY 2003

2,832.Spectral redshift versus broadening from photon and dilepton spectra

By: Alam, JE; Roy, P; Sarkar, S; et al.

PHYSICAL REVIEW C Volume: 67 Issue: 5 Article Number: 054901 Published: MAY 2003

2,833.Direct detection rates for Kaluza-Klein dark matter

By: Majumdar, D

PHYSICAL REVIEW D Volume: 67 Issue: 9 Article Number: 095010 Published: MAY 1 2003

2,834.The solar neutrino problem after the first results from KamLAND

By: Bandyopadhyay, A; Choubey, S; Gandhi, R; et al.

PHYSICS LETTERS B Volume: 559 Issue: 3-4 Pages: 121-130 Published: MAY 1 2003

2,835.Quantum chromodynamics phase transition in the early Universe and quark nuggets

By: Bhattacharyya, A; Banerjee, S; Ghosh, SK; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 5 Pages: 909-919 Published: MAY 2003

2,836.Bose-Einstein condensation of anti-kaons and neutron star twins

By: Banik, S; Bandyopadhyay, D

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 5 Pages: 1001-1004 Published: MAY 2003

2,837.Mechanical prototype of tracking chamber in station 2 in dimuon spectrometer of ALICE

By: Bhattacharya, P; Bose, S; Chattopadhyay, S; et al.

Group Author(s): ALICE Collaboration

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 5 Pages: 1017-1021 Published: MAY 2003

2,838.The extent of strangeness equilibration in quark gluon plasma

By: Pal, D; Sen, A; Mustafa, MG; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 5 Pages: 1083-1087 Published: MAY 2003

2,839.Quarkonium suppression: Gluonic dissociation vs. colour screening

By: Patra, BK; Srivastava, DK

PRAMANA-JOURNAL OF PHYSICS Volume: 60 Issue: 5 Pages: 1089-1093 Published: MAY 2003

2,840.Results of Na-21+p experiments at ISAC

By: Azuma, RE; Bishop, S; Buchmann, L; et al.

NUCLEAR PHYSICS A Volume: 718 Pages: 119C-126C Published: MAY 5 2003

2,841.Nuclear astrophysics studies at DRAGON: The Na-21(p,gamma)Mg-22 reaction and oxygen-neon novae

By: Bishop, S; Azuma, R; Buchmann, L; et al.

NUCLEAR PHYSICS A Volume: 718 Pages: 263C-266C Published: MAY 5 2003

2,842.The DRAGON facility for nuclear astrophysics at TRIUMF-ISAC

By: Hutcheon, DA; Bishop, S; Buchmann, L; et al.

NUCLEAR PHYSICS A Volume: 718 Pages: 515C-517C Published: MAY 5 2003

2,843.A possible explanation for MACHOs: A candidate for dark matter - from quark-hadron phase transition

By: Majumdar, D

CURRENT SCIENCE Volume: 84 Issue: 9 Pages: 1179-1180 Published: MAY 10 2003

- 2,844. Inequivalent quantizations of the rational Calogero model  
By: Basu-Mallick, B; Ghosh, PK; Gupta, KS  
PHYSICS LETTERS A Volume: 311 Issue: 2-3 Pages: 87-92 Published: MAY 12 2003
- 2,845. Singlet state exciplex formation of phenazine with some aromatic amines  
By: Choudhury, SD; Basu, S  
CHEMICAL PHYSICS LETTERS Volume: 373 Issue: 1-2 Pages: 67-71 Published: MAY 13 2003
- 2,846. Positron lifetime spectroscopic studies of nanocrystalline ZnFe<sub>2</sub>O<sub>4</sub>  
By: Nambissan, PMG; Upadhyay, C; Verma, HC  
JOURNAL OF APPLIED PHYSICS Volume: 93 Issue: 10 Pages: 6320-6326 Part: 1 Published: MAY 15 2003
- 2,847. Structural investigation of keV Ar-ion-induced surface ripples in Si by cross-sectional transmission electron microscopy  
By: Chini, TK; Okuyama, F; Tanemura, M; et al.  
PHYSICAL REVIEW B Volume: 67 Issue: 20 Article Number: 205403 Published: MAY 15 2003
- 2,848. Measurements with DRAGON on resonances in the Na-21(p, gamma)Mg-22 reaction with a radioactive ion beam  
By: Engel, S; Bishop, S; Buchmann, L; et al.  
NUCLEAR PHYSICS A Volume: 719 Pages: 107C-110C Published: MAY 19 2003
- 2,849. A library of IR bands of nucleic acids in solution  
By: Banyay, M; Sarkar, M; Graslund, A  
BIOPHYSICAL CHEMISTRY Volume: 104 Issue: 2 Pages: 477-488 Published: JUN 1 2003
- 2,850. Testing orbifold models of supersymmetric grand unification  
By: Bhattacharyya, G; Sridhar, K  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 29 Issue: 6 Pages: 993-1000  
Article Number: PII S0954-3899(03)54232-3 Published: JUN 2003
- 2,851. Gauge unification in 5D SU(5) model with orbifold breaking of GUT symmetry  
By: Brahmachari, B; Raychaudhuri, A  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 29 Issue: 6 Pages: B5-B13  
Article Number: PII S0954-3899(03)55573-6 Published: JUN 2003
- 2,852. Holstein polarons, Frohlich coupling, and superconductivity in a molecular conductor  
By: Ramakumar, R; Yarlagadda, S  
PHYSICAL REVIEW B Volume: 67 Issue: 21 Article Number: 214502 Published: JUN 1 2003
- 2,853. Analysis of neutron emission spectra for 30-50 MeV alpha-particle induced reactions in thick targets  
By: Dhar, D; Roy, SN; Nandy, M; et al.

PHYSICAL REVIEW C Volume: 67 Issue: 6 Article Number: 064611 Published: JUN 2003

2,854. Exploring the sensitivity of current and future experiments to  $\theta$

By: Bandyopadhyay, A; Choubey, S; Goswami, S

PHYSICAL REVIEW D Volume: 67 Issue: 11 Article Number: 113011 Published: JUN 1 2003

2,855. Neutrinoless double beta decay from singlet neutrinos in extra dimensions

By: Bhattacharyya, G; Klapdor-Kleingrothaus, HV; Pas, H; et al.

PHYSICAL REVIEW D Volume: 67 Issue: 11 Article Number: 113001 Published: JUN 1 2003

2,856. Chiral susceptibility in the hard thermal loop approximation

By: Chakraborty, P; Mustafa, MG; Thoma, MH

PHYSICAL REVIEW D Volume: 67 Issue: 11 Article Number: 114004 Published: JUN 1 2003

2,857. Proposed amino acid sequence and the 1.63 angstrom X-ray crystal structure of a plant cysteine protease, ervatamin B: Some insights into the structural basis of its stability and substrate specificity

By: Biswas, S; Chakrabarti, C; Kundu, S; et al.

PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 51 Issue: 4 Pages: 489-497

Published: JUN 1 2003

2,858. Novel quantum states of the rational Calogero models without the confining interaction

By: Basu-Mallick, B; Ghosh, PK; Gupta, KS

NUCLEAR PHYSICS B Volume: 659 Issue: 3 Pages: 437-457 Published: JUN 2 2003

2,859. Effects of Co-substitution on superconductivity and transport in  $Tl_2Ba_2Ca_{1-x}Y_x(Cu_{1-y}Co_y)_2O_{8+\delta}$

By: Poddar, A; Bandyopadhyay, B; Chattopadhyay, B

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 390 Issue: 2 Pages: 120-126

Published: JUN 15 2003

2,860. Color superconducting quark matter core in the third family of compact stars

By: Banik, S; Bandyopadhyay, D

PHYSICAL REVIEW D Volume: 67 Issue: 12 Article Number: 123003 Published: JUN 15 2003

2,861. Entropy of a scalar field in a (3+1)-dimensional Taub-NUT background

By: Ghosh, K

PHYSICAL REVIEW D Volume: 67 Issue: 12 Article Number: 124027 Published: JUN 15 2003

2,862. Coupled channel description of  $O-16 + Nd-142, Nd-144, Nd-146$  scattering around the Coulomb barrier using a complex microscopic potential

By: Mandal, S; Madhusoodhanan, T; Roy, S; et al.

NUCLEAR PHYSICS A Volume: 720 Issue: 3-4 Pages: 222-244 Published: JUN 16 2003

2,863. Enrichment of helium from hydrothermal gases

By: Das, NK; Barat, P; Sen, P; et al.



CURRENT SCIENCE Volume: 84 Issue: 12 Pages: 1519-1524 Published: JUN 25 2003

2,864.Nuclear astrophysics at ISAC with DRAGON: Initial studies

By: Olin, A; Bishop, S; Buchmann, L; et al.

NUCLEAR PHYSICS A Volume: 721 Pages: 1019C-1023C Published: JUN 30 2003

2,865.Some aspects of strangeness in astrophysics and cosmology

By: Banerjee, S; Bhattacharyya, A; Ghosh, SK; et al.

NUCLEAR PHYSICS A Volume: 721 Pages: 1028C-1031C Published: JUN 30 2003

2,866.Molecular phylogenetic exploration of bacterial diversity in a Bakreshwar (India) hot spring and culture of Shewanella-related thermophiles

By: Ghosh, D; Bal, B; Kashyap, VK; et al.

APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 69 Issue: 7 Pages: 4332-4336 Published: JUL 2003

2,867.Experimental lifetimes of some  $3p(5) 5p$  levels of ArI

By: Das, MB; Karmakar, S

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 41 Issue: 7 Pages: 527-529 Published: JUL 2003

2,868.Photophysical study of local anesthetics in reverse micelles and water-ethanol mixtures

By: Mondal, M; Chakrabarti, A; Basak, S

JOURNAL OF FLUORESCENCE Volume: 13 Issue: 4 Pages: 307-314 Published: JUL 2003

2,869.Mossbauer and positron annihilation studies in plastically deformed Fe<sub>72</sub>-xAl<sub>28</sub>Ti<sub>x</sub> (x=0, 2, 9) alloys

By: Pandey, B; Nambissan, PMG; Suwas, S; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 263 Issue: 3 Pages: 307-314 Published: JUL 2003

2,870.Temperature fluctuations and turbulent transport at the edge of the SINP tokamak

By: Kumar, R; Saha, SK

NUCLEAR FUSION Volume: 43 Issue: 7 Pages: 622-628 Article Number: PII S0029-5515(03)64752-6 Published: JUL 2003

2,871.Texture and optical studies of the mesophases of cyanocyclohexyl cyclohexanes

By: Bhowmick, K; Mukhopadhyay, A; Mukherjee, CD

PHASE TRANSITIONS Volume: 76 Issue: 7 Pages: 671-682 Published: JUL 2003

2,872.Studies of transport properties of MgB<sub>2</sub> superconductor

By: Poddar, A; Bandyopadhyay, B; Mandal, P; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 390 Issue: 3 Pages: 191-196 Published: JUL 1 2003

2,873. Transport, magnetic, and structural properties of  $\text{La}_{1-x}\text{M}_x\text{MnO}_3$  ( $\text{M}=\text{Ba}, \text{Sr}, \text{Ca}$ ) for  $0 \leq x \leq 0.20$

By: Mandal, P; Ghosh, B

PHYSICAL REVIEW B Volume: 68 Issue: 1 Article Number: 014422 Published: JUL 1 2003

2,874. Effect of higher order couplings in the barrier distribution of  $\text{C-}^{12}+\text{Nd-}^{142}$  extracted from quasielastic excitation functions

By: Majumdar, H; Basu, C; Basu, P; et al.

PHYSICAL REVIEW C Volume: 68 Issue: 1 Article Number: 017602 Published: JUL 2003

2,875. Millimeterwave spectroscopy of transient molecules produced in a DC discharge

By: Jaman, AI

PRAMANA-JOURNAL OF PHYSICS Volume: 61 Issue: 1 Pages: 85-91 Published: JUL 2003

2,876. In silico mutations and molecular dynamics studies on a winged bean chymotrypsin inhibitor protein

By: Dasgupta, J; Sen, U; Dattagupta, JK

PROTEIN ENGINEERING Volume: 16 Issue: 7 Pages: 489-496 Published: JUL 2003

2,877. Identification of two differentially expressed mitochondrial genes in a methotrexate-resistant chinese hamster cell strain derived from V79 cells using RNA fingerprinting by arbitrary primed polymerase chain reaction

By: Chaudhuri, K; Banerjee, R; Pandit, B; et al.

RADIATION RESEARCH Volume: 160 Issue: 1 Pages: 77-85 Published: JUL 2003

2,878. Early growth stages of sputter deposited Ag on native  $\text{SiO}_2$

By: Banerjee, S; Kundu, S

SURFACE SCIENCE Volume: 537 Issue: 1-3 Pages: 153-160 Published: JUL 1 2003

2,879. Association of chromatin with anticancer antibiotics, mithramycin and chromomycin A(3)

By: Mir, MA; Majee, S; Das, S; et al.

BIOORGANIC & MEDICINAL CHEMISTRY Volume: 11 Issue: 13 Pages: 2791-2801 Published: JUL 3 2003

2,880. Left-right model of quark and lepton masses without a scalar bidoublet

By: Brahmachari, B; Ma, E; Sarkar, U

PHYSICAL REVIEW LETTERS Volume: 91 Issue: 1 Article Number: 011801 Published: JUL 4 2003

2,881. Hidden degeneracy in the brick wall model of black holes

By: Gupta, KS; Sen, S

MODERN PHYSICS LETTERS A Volume: 18 Issue: 21 Pages: 1463-1471 Published: JUL 10 2003

2,882. Particle physics implications of the WMAP neutrino mass bound

By: Bhattacharyya, G; Pas, H; Song, LG; et al.

PHYSICS LETTERS B Volume: 564 Issue: 3-4 Pages: 175-182 Published: JUL 10 2003

- 2,883. Critical behavior of thermal relaxation near a breakdown point  
By: Mukherjee, CD; Bardhan, KK  
PHYSICAL REVIEW LETTERS Volume: 91 Issue: 2 Article Number: 025702 Published: JUL 11 2003
- 2,884. Modulation of age at onset in Huntington's disease and spinocerebellar ataxia type 2 patients originated from eastern India  
By: Chattopadhyay, B; Ghosh, S; Gangopadhyay, PK; et al.  
NEUROSCIENCE LETTERS Volume: 345 Issue: 2 Pages: 93-96 Published: JUL 17 2003
- 2,885. EDXRF as a routine tool for numismatic studies  
By: Mandal, AC; Santra, S; Mitra, D; et al.  
CURRENT SCIENCE Volume: 85 Issue: 2 Pages: 134-135 Published: JUL 25 2003
- 2,886. Application of tracer packet technique for multielemental uptake studies on the inorganic ion exchanger zirconium vanadate  
By: Roy, K; Basu, S; Ramaswami, A; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 59 Issue: 2-3 Pages: 105-108 Published: AUG-SEP 2003
- 2,887. Volume collapse in  $\text{LaMnO}_3$  caused by an orbital order-disorder transition  
By: Chatterji, T; Fauth, F; Ouladdiaf, B; et al.  
PHYSICAL REVIEW B Volume: 68 Issue: 5 Article Number: 052406 Published: AUG 1 2003
- 2,888. Effect of particle size on the magnetic and transport properties of  $\text{La}_{0.875}\text{Sr}_{0.125}\text{MnO}_3$   
By: Dutta, A; Gayathri, N; Ranganathan, R  
PHYSICAL REVIEW B Volume: 68 Issue: 5 Article Number: 054432 Published: AUG 1 2003
- 2,889. Impact of CP phases on neutrinoless double beta decay  
By: Abada, A; Bhattacharyya, G  
PHYSICAL REVIEW D Volume: 68 Issue: 3 Article Number: 033004 Published: AUG 1 2003
- 2,890. Nonstationary nonlinear dust-acoustic waves in unmagnetized plasma  
By: Chakrabarti, N; Janaki, MS  
PHYSICS OF PLASMAS Volume: 10 Issue: 8 Pages: 3043-3046 Published: AUG 2003
- 2,891. Relic densities for Kaluza-Klein dark matter  
By: Majumdar, D  
MODERN PHYSICS LETTERS A Volume: 18 Issue: 24 Pages: 1705-1710 Published: AUG 10 2003
- 2,892. Localization in  $2p\ 1f$  nuclear shell-model wavefunctions  
By: Gomez, JMG; Kar, K; Kota, VKB; et al.  
PHYSICS LETTERS B Volume: 567 Issue: 3-4 Pages: 251-258 Published: AUG 14 2003
- 2,893. Accelerating cosmologies from M/String theory compactifications

By: Roy, S

PHYSICS LETTERS B Volume: 567 Issue: 3-4 Pages: 322-329 Published: AUG 14 2003

2,894. Relaxation in electron-positron plasma: a possibility

By: Bhattacharyya, R; Janaki, MS; Dasgupta, B

PHYSICS LETTERS A Volume: 315 Issue: 1-2 Pages: 120-125 Published: AUG 18 2003

2,895. Study of the metal-insulator transition in  $Y(1-x)A(x)TiO_3$  ( $A = Ca, Sr$  and  $Ba$ )

By: Das, S; Poddar, A; Roy, B

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 358 Issue: 1-2 Pages: 17-22 Published: AUG 25 2003

2,896. Enhancement of catalase activity by repetitive low-grade  $H_2O_2$  exposures protects fibroblasts from subsequent stress-induced apoptosis

By: Sen, P; Mukherjee, S; Bhaumik, G; et al.

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume: 529 Issue: 1-2 Pages: 87-94 Published: AUG 28 2003

2,897. Self association of sodium salicylate system

By: Das, SK; Das, S; Ganguly, BN; et al.

CHEMICAL PHYSICS Volume: 293 Issue: 2 Pages: 211-216 Published: SEP 1 2003

2,898. Effects of magnetic impurity Co on stripe phase of  $(Bi/Tl)_2(Sr/Ba)_2CaCu_2O_{8+\delta}$  superconductors

By: Poddar, A; Chattopadhyay, B

EUROPEAN PHYSICAL JOURNAL B Volume: 35 Issue: 1 Pages: 69-75 Published: SEP 2003

2,899. Acoustic attenuation in brass

By: Pal, B

JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS BRIEF COMMUNICATIONS & REVIEW PAPERS Volume: 42 Issue: 9A Pages: 5813-5815 Published: SEP 2003

2,900. Energy dispersive x-ray reflectivity technique to study thermal properties of polymer films

By: Bhattacharya, M; Mukherjee, M; Sanyal, MK; et al.

JOURNAL OF APPLIED PHYSICS Volume: 94 Issue: 5 Pages: 2882-2887 Published: SEP 1 2003

2,901. Edge currents in non-commutative Chern-Simons theory from a new matrix model

By: Balachandran, AP; Kurkcuoglu, S; Gupta, KS

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 007 Published: SEP 2003

2,902. Thermal radiation from baryons and mesons

By: Alam, J; Roy, P; Sarkar, S

PHYSICAL REVIEW C Volume: 68 Issue: 3 Article Number: 031901 Published: SEP 2003

- 2,903. Search for entrance channel effects in heavy ion induced fusion reactions via neutron evaporation  
By: Kumar, A; Kumar, A; Singh, G; et al.  
PHYSICAL REVIEW C Volume: 68 Issue: 3 Article Number: 034603 Published: SEP 2003
- 2,904. Axial-vector-vector amplitude and neutrino effective charge in a magnetized medium  
By: Bhattacharya, K; Ganguly, AK  
PHYSICAL REVIEW D Volume: 68 Issue: 5 Article Number: 053011 Published: SEP 1 2003
- 2,905. Variational approach to electron-magnetohydrodynamic equilibria  
By: Bhattacharyya, R; Janaki, MS  
PHYSICS OF PLASMAS Volume: 10 Issue: 9 Pages: 3783-3786 Published: SEP 2003
- 2,906. Insignia of positronium-molecular interaction in polyamide membrane material  
By: Dutta, D; Bhattacharyya, A; Chatterjee, S; et al.  
CHEMICAL PHYSICS LETTERS Volume: 379 Issue: 1-2 Pages: 119-125 Published: SEP 19 2003
- 2,907. Isolation, characterization and expression of a cyclin from *Leishmania donovani*  
By: Banerjee, S; Banerjee, R; Das, R; et al.  
FEMS MICROBIOLOGY LETTERS Volume: 226 Issue: 2 Pages: 285-289 Published: SEP 26 2003
- 2,908. Jost solutions and quantum conserved quantities of an integrable derivative nonlinear Schrodinger model  
By: Basu-Mallick, B; Bhattacharyya, T  
NUCLEAR PHYSICS B Volume: 668 Issue: 3 Pages: 415-446 Published: SEP 29 2003
- 2,909. X-ray reflectivity and AFM studies of polystyrene-CdS nanocomposite thin films  
By: Mukherjee, M; Deshmukh, N; Kulkarni, SK  
APPLIED SURFACE SCIENCE Volume: 218 Issue: 1-4 Pages: 323-328 Published: SEP 30 2003
- 2,910. Structure of diferric hen serum transferrin at 2.8 angstrom resolution  
By: Thakurta, PG; Choudhury, D; Dasgupta, R; et al.  
ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 59 Pages: 1773-1781 Part: 10 Published: OCT 2003
- 2,911. Ethnic India: A genomic view, with special reference to peopling and structure  
By: Basu, A; Mukherjee, N; Roy, S; et al.  
GENOME RESEARCH Volume: 13 Issue: 10 Pages: 2277-2290 Published: OCT 2003
- 2,912. Order-disorder transition in one-dimensional quantum magnet  
By: Chatterjee, I  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 265 Issue: 3 Pages: 363-366  
Published: OCT 2003

2,913.Unifying scheme for generating discrete integrable systems including inhomogeneous and hybrid models

By: Kundu, A

JOURNAL OF MATHEMATICAL PHYSICS Volume: 44 Issue: 10 Pages: 4589-4603 Published: OCT 2003

2,914.Magnetic enhancement of  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{O}_4$  spinel oxide by mechanical milling

By: Bhowmik, RN; Ranganathan, R; Sarkar, S; et al.

PHYSICAL REVIEW B Volume: 68 Issue: 13 Article Number: 134433 Published: OCT 1 2003

2,915.Full quantal theory of one-neutron halo breakup reactions

By: Chatterjee, R

PHYSICAL REVIEW C Volume: 68 Issue: 4 Article Number: 044604 Published: OCT 2003

2,916.Quantum molecular dynamics approach to estimate spallation yield from  $p+(208)\text{Pb}$  reaction at 800 MeV

By: Sarkar, PK; Nandy, M

PRAMANA-JOURNAL OF PHYSICS Volume: 61 Issue: 4 Pages: 675-684 Published: OCT 2003

2,917.Formation of a tetragonal  $\text{Cu}_3\text{Au}$  alloy at gold/copper interfaces

By: Sarkar, S; Datta, A; Chakraborty, P; et al.

SURFACE AND INTERFACE ANALYSIS Volume: 35 Issue: 10 Pages: 793-798 Published: OCT 2003

2,918.Possibility of a two-proton halo in  $^{17}\text{Ne}$

By: Kanungo, R; Chiba, M; Adhikari, S; et al.

PHYSICS LETTERS B Volume: 571 Issue: 1-2 Pages: 21-28 Published: OCT 2 2003

2,919.The jigsaw puzzle model: Search for conformational specificity in protein interiors

By: Banerjee, R; Sen, M; Bhattacharya, D; et al.

JOURNAL OF MOLECULAR BIOLOGY Volume: 333 Issue: 1 Pages: 211-226 Published: OCT 10 2003

2,920.Lipopolysaccharides of *Vibrio cholerae* I. Physical and chemical characterization

By: Chatterjee, SN; Chaudhuri, K

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1639 Issue: 2 Pages: 65-79 Published: OCT 15 2003

2,921.Microstructural study of aromatic polyamide membrane material

By: Dutta, D; Bhattacharyya, A; Ganguly, BN

JOURNAL OF MEMBRANE SCIENCE Volume: 224 Issue: 1-2 Pages: 127-135 Published: OCT 15 2003

2,922.Quark-number susceptibility, thermodynamic sum rule, and the hard thermal loop approximation

By: Chakraborty, P; Mustafa, MG; Thoma, MH

PHYSICAL REVIEW D Volume: 68 Issue: 8 Article Number: 085012 Published: OCT 15 2003

2,923. Impurity and support effects on surface composition and CO plus NO reactions over Pt-Rh/CeO<sub>2</sub> nanoparticles: A comparative study

By: Khanra, B; De Sarkar, A

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 17 Issue: 27 Pages: 4831-4839

Published: OCT 30 2003

2,924. Is there still a strong CP problem?

By: Banerjee, H; Chatterjee, D; Mitra, P

PHYSICS LETTERS B Volume: 573 Issue: 1-4 Pages: 109-114 Published: OCT 30 2003

2,925. Gauged B-3L( $\tau$ ), low-energy unification and proton decay

By: Pal, PB; Sarkar, U

PHYSICS LETTERS B Volume: 573 Issue: 1-4 Pages: 147-152 Published: OCT 30 2003

2,926. Exact solvability and quantum integrability of a derivative nonlinear Schrodinger model

By: Basu-Mallick, B; Bhattacharyya, T

CZECHOSLOVAK JOURNAL OF PHYSICS Volume: 53 Issue: 11 Pages: 977-983 Published: NOV 2003

2,927. An electrical network model of plant intelligence

By: Chakrabarti, BK; Dutta, O

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART A Volume: 77A Issue: 6 Pages: 549-551 Published: NOV 2003

2,928. Effect of alloying on the kinetics of CO+O<sub>2</sub> and CO+NO reactions on Pt-Rh nanocatalysts: a theoretical model

By: De Sarkar, A; Khanra, BC

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART A Volume: 77A Issue: 6 Pages: 603-607 Published: NOV 2003

2,929. Testing the solar LMA region with KamLAND data

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 29 Issue: 11 Pages: 2465-2477

Article Number: PII S0954-3899(03)65077-2 Published: NOV 2003

2,930. Involvement of the Akt/PKB signaling pathway with disease processes

By: Sen, P; Mukherjee, S; Ray, D; et al.

MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 253 Issue: 1-2 Pages: 241-246 Published: NOV 2003

2,931. Field induced two-dimensional ferromagnetic ordering in a gadolinium stearate Langmuir-Blodgett film

By: Mukhopadhyay, MK; Sanyal, MK; Mukadam, MD; et al.

PHYSICAL REVIEW B Volume: 68 Issue: 17 Article Number: 174427 Published: NOV 2003

2,932. Structure of B-8 and astrophysical S-17 factor in Skyrme Hartree-Fock theory

By: Chandel, SS; Dhiman, SK; Shyam, R

PHYSICAL REVIEW C Volume: 68 Issue: 5 Article Number: 054320 Published: NOV 2003

2,933.Observation of unexpected orbiting behavior for O-16+Y-89 and O-16+Nb-93 reactions

By: Ray, A; Das, P; Banerjee, SR; et al.

PHYSICAL REVIEW C Volume: 68 Issue: 5 Article Number: 051602 Published: NOV 2003

2,934.Translational groups as generators of gauge transformations

By: Scaria, T

PHYSICAL REVIEW D Volume: 68 Issue: 10 Article Number: 105013 Published: NOV 2003

2,935.Strong interaction at finite temperature

By: Mallik, S

PRAMANA-JOURNAL OF PHYSICS Volume: 61 Issue: 5 Pages: 931-941 Published: NOV 2003

2,936.Fermions in light front transverse lattice quantum chromodynamics

By: Chakrabarti, D; De, AK; Harindranath, A

PRAMANA-JOURNAL OF PHYSICS Volume: 61 Issue: 5 Pages: 967-977 Published: NOV 2003

2,937.Nuclear physics at small distances

By: Jain, BK

PRAMANA-JOURNAL OF PHYSICS Volume: 61 Issue: 5 Pages: 1001-1008 Published: NOV 2003

2,938.Organization and dynamics of tryptophan residues in erythroid spectrin: Novel structural features of denatured spectrin revealed by the wavelength-selective fluorescence approach

By: Chattopadhyay, A; Rawat, SS; Kelkar, DA; et al.

PROTEIN SCIENCE Volume: 12 Issue: 11 Pages: 2389-2403 Published: NOV 2003

2,939.CP violation and matter effect for a variable earth density in very long baseline experiments

By: Brahmachari, B; Choubey, S; Roy, P

NUCLEAR PHYSICS B Volume: 671 Issue: 1-3 Pages: 483-497 Published: NOV 3 2003

2,940.Dynamical manifestation of quantum chaos: density matrix fluctuations in subsystems

By: Lahiri, A; Nag, S

PHYSICS LETTERS A Volume: 318 Issue: 1-2 Pages: 6-14 Published: NOV 3 2003

2,941.Black hole decay as geodesic motion

By: Gupta, KS; Sen, S

PHYSICS LETTERS B Volume: 574 Issue: 1-2 Pages: 93-97 Published: NOV 6 2003

2,942.A kinetic approach to the Ponderomotive Force

By: Dasgupta, B; Tsurutani, BT; Janaki, MS

GEOPHYSICAL RESEARCH LETTERS Volume: 30 Issue: 21 Article Number: 2128 Published: NOV 15 2003



2,943. Transport and magnetic properties of  $\text{Ru}(\text{Sr}_{1-x}\text{La}_x)_2\text{RCu}_2\text{O}_8$  ( $R = \text{Gd}, \text{Eu}$ ) superconductor  
By: Hassen, A; Mandal, P; Hemberger, J; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 398 Issue: 3-4 Pages: 123-130  
Published: NOV 15 2003

2,944. Swelling dynamics of ultrathin polymer films

By: Singh, A; Mukherjee, M

MACROMOLECULES Volume: 36 Issue: 23 Pages: 8728-8731 Published: NOV 18 2003

2,945. Failure properties of fiber bundle models

By: Pradhan, S; Chakrabarti, BK

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 17 Issue: 29 Pages: 5565-5581  
Published: NOV 20 2003

2,946. Quantum inverse square interaction

By: Gupta, KS

MODERN PHYSICS LETTERS A Volume: 18 Issue: 33-35 Pages: 2355-2362 Published: NOV 20 2003

2,947. Variation of CAG repeats and two intragenic polymorphisms at SCA3 locus among Machado-Joseph disease/SCA3 patients and diverse normal populations from eastern India

By: Chattopadhyay, B; Basu, P; Gangopadhyay, PK; et al.

ACTA NEUROLOGICA SCANDINAVICA Volume: 108 Issue: 6 Pages: 407-414 Published: DEC 2003

2,948. Different modes of interaction between hydrated magnesium ion and DNA functional groups: Database analysis and ab initio studies

By: Bandyopadhyay, D; Bhattacharyya, D

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 21 Issue: 3 Pages: 447-458  
Published: DEC 2003

2,949. Time dependent supergravity solutions in arbitrary dimensions

By: Bhattacharya, S; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 015 Published: DEC 2003

2,950. Role of interface modifications in ion-sputtering mechanism of gold thin films

By: Datta, D; Bhattacharyya, SR

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 201-205 Published: DEC 2003

2,951. Study of dose effects on Au-Ni bilayers mixing by 300 keV Kr ions

By: Datta, D; Bhattacharyya, SR

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 216-220 Published: DEC 2003

2,952. Photon emission in ion beam sputtering of an Mg target

By: Karmakar, P; Ghose, D

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 358-363 Published: DEC 2003

2,953. Towards an understanding of MCsn<sup>+</sup> formation mechanism in SIMS

By: Sarkar, S; Chakraborty, P

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 364-368 Published: DEC 2003

2,954. Evidence of Coulomb explosion sputtering of ultra-thin Pt films due to impact of multi-charged Ar ions

By: Ghose, D; Karmakar, P; Parilis, E

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 420-425 Published: DEC 2003

2,955. Redistribution of Er implanted into Si(100): Correlation with implantation induced damage

By: Chini, TK; Datta, DP; Satpati, B; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 477-482 Published: DEC 2003

2,956. Interface modification of Ag/Co system: X-ray reflectivity study

By: Kundu, S

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 489-495 Published: DEC 2003

2,957. Resonance scattering and RBS from non-stoichiometric oxides

By: De, U; Verma, KC; Karmakar, P; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 212 Pages: 505-509 Published: DEC 2003

2,958. Diffusion mechanism and photoluminescence of erbium in GaN

By: Ting, YS; Chen, CC; Lee, CC; et al.

OPTICAL MATERIALS Volume: 24 Issue: 3 Pages: 515-518 Published: DEC 2003

2,959. Three-body mechanism of eta production

By: Khemchandani, KP; Kelkar, NG; Jain, BK

PHYSICAL REVIEW C Volume: 68 Issue: 6 Article Number: 064610 Published: DEC 2003

2,960. Fusion cross sections for Li-7+O-16 at energies above barrier

By: Ray, M; Mukherjee, A; Sarkar, MS; et al.

PHYSICAL REVIEW C Volume: 68 Issue: 6 Article Number: 067601 Published: DEC 2003

2,961. Caspase 8 mediated apoptotic cell death induced by beta-sheet forming polyalanine peptides

By: Giri, K; Ghosh, U; Bhattacharyya, NP; et al.

FEBS LETTERS Volume: 555 Issue: 2 Pages: 380-384 Published: DEC 4 2003

2,962. Dimensional reductions of M-theory S-branes to string theory S-branes

By: Roy, S

PHYSICS LETTERS B Volume: 576 Issue: 1-2 Pages: 199-208 Published: DEC 4 2003

2,963. Double magnetic transition and anomalous magnetoresistance in Er<sub>2</sub>Ni<sub>3</sub>Si<sub>5</sub>

By: Mazumdar, C; Nagarajan, R; Nigam, AK; et al.

PHYSICA B-CONDENSED MATTER Volume: 339 Issue: 4 Pages: 216-220 Published: DEC 15 2003

2,964. Novel multi-band quantum soliton states for a derivative nonlinear Schrödinger model

By: Basu-Mallick, B; Bhattacharyya, T; Sen, D

NUCLEAR PHYSICS B Volume: 675 Issue: 3 Pages: 516-532 Published: DEC 29 2003

2,965. A new mass formula and new neutron and proton magic numbers in light nuclei

By: Samanta, C

ACTA PHYSICA HUNGARICA NEW SERIES-HEAVY ION PHYSICS Volume: 19 Issue: 1-2 Pages: 161-162  
Published: 2004

2,966. Characterization of serotonin in protein and membrane mimetic environments: A spectroscopic study

By: Sengupta, B; Chaudhuri, S; Banerjee, A; et al.

CHEMISTRY & BIODIVERSITY Volume: 1 Issue: 6 Pages: 868-877 Published: 2004

2,967.

Bound and scattering states of extended Calogero model with an additional PT invariant interaction

By: Basu-Mallick, B; Bhattacharyya, T; Kundu, A

CZECHOSLOVAK JOURNAL OF PHYSICS Volume: 54 Issue: 1 Pages: 5-12 Published: JAN 2004

2,968. Evidence of strain induced structural change in hetero-epitaxial NdNiO<sub>3</sub> thin films with metal-insulator transition

By: Laffez, P; Lebedev, OI; Ruello, P; et al.

EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS Volume: 25 Issue: 1 Pages: 25-31 Published: JAN 2004

2,969. Atomic "after effects" following Hf-181 beta(-)-decay

By: Dey, CC

HYPERFINE INTERACTIONS Volume: 155 Issue: 1-4 Pages: 27-37 Published: 2004

2,970. Atomic shell recovery times following Hf-181 beta(-)-decay

By: Dey, CC

HYPERFINE INTERACTIONS Volume: 155 Issue: 1-4 Pages: 105-112 Published: 2004

2,971. Magnetic field effect on indole exciplexes: an anomalous dielectric dependence

By: Sengupta, T; Basu, S

JOURNAL OF LUMINESCENCE Volume: 106 Issue: 1 Pages: 31-38 Published: JAN 2004

- 2,972. Exotic phases in compact stars  
By: Banik, S; Bandyopadhyay, D  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 30 Issue: 1 Special Issue: SI  
Pages: S525-S530 Article Number: PII S0954-3899(04)63553-5 Published: JAN 2004
- 2,973. Production of a tracer packet of heavier rare earth elements  
By: Lahiri, S; Nayak, D; Maji, S  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 260 Issue: 2 Pages: 369-372  
Published: 2004
- 2,974. Membrane interaction of erythroid spectrin: surface-density-dependent high-affinity binding to phosphatidylethanolamine  
By: Ray, S; Chakrabarti, A  
MOLECULAR MEMBRANE BIOLOGY Volume: 21 Issue: 2 Pages: 93-100 Published: 2004
- 2,975. Pion parameters in nuclear medium from chiral perturbation theory and virial expansion  
By: Mallik, S; Sarkar, S  
PHYSICAL REVIEW C Volume: 69 Issue: 1 Article Number: 015204 Published: JAN 2004
- 2,976. Liquid-gas phase transition in infinite and finite nuclear systems  
By: Sil, T; Samaddar, SK; De, JN; et al.  
PHYSICAL REVIEW C Volume: 69 Issue: 1 Article Number: 014602 Published: JAN 2004
- 2,977. Identification of positron trapping sites in nanocrystalline ZnFe<sub>2</sub>O<sub>4</sub> by coincidence Doppler broadening measurements  
By: Nambissan, PMG; Upadhyay, C; Verma, HC  
POSITRON ANNIHILATION, ICPA-13, PROCEEDINGS Book Series: Materials Science Forum Volume:  
445-6 Pages: 162-164 Published: 2004
- 2,978. General trends of positronium annihilation in porous molecular substances  
By: Dutta, D; Ganguly, B  
POSITRON ANNIHILATION, ICPA-13, PROCEEDINGS Book Series: Materials Science Forum Volume:  
445-6 Pages: 283-285 Published: 2004
- 2,979. Microstructural studies of porous substances  
By: Dutta, D; Ganguly, B  
POSITRON ANNIHILATION, ICPA-13, PROCEEDINGS Book Series: Materials Science Forum Volume:  
445-6 Pages: 286-288 Published: 2004
- 2,980. Two-site two-electron generalized Hubbard-Holstein model: a perturbation study  
By: Chatterjee, J; Das, AN  
SOLID STATE COMMUNICATIONS Volume: 129 Issue: 4 Pages: 273-278 Published: JAN 2004
- 2,981. Influence of steric factors on exciplex energy and magnetic field effect  
By: Chatterjee, S; Choudhury, SD; Basu, S; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 60  
Issue: 1-2 Pages: 97-102 Published: JAN 2004

2,982.Caging of phenazine by 4,4'-bis(dimethylamino)diphenylmethane: a comparative study with phenazine-N,N-dimethylaniline

By: Choudhury, SD; Basu, S

CHEMICAL PHYSICS LETTERS Volume: 383 Issue: 5-6 Pages: 533-536 Published: JAN 15 2004

2,983.A novel genetic algorithm for automatic clustering

By: Garai, G; Chaudhuri, BB

PATTERN RECOGNITION LETTERS Volume: 25 Issue: 2 Pages: 173-187 Published: JAN 19 2004

2,984.Crystal structure of cyclophilin from Leishmania donovani at 3.5 angstrom resolution

By: Banerjee, R; Datta, M; Sen, M; et al.

CURRENT SCIENCE Volume: 86 Issue: 2 Pages: 319-322 Published: JAN 25 2004

2,985.Microkinetic model studies of impurity effects on CO+O<sub>2</sub>, CO+NO and CO+NO+O<sub>2</sub> reactions over supported Pt-Rh nanocatalysts

By: De Sarkar, A; Khanra, BC

CHEMICAL PHYSICS LETTERS Volume: 384 Issue: 4-6 Pages: 339-343 Published: JAN 26 2004

2,986.Functional properties of soybean nodulin 26 from a comparative three-dimensional model

By: Biswas, S

FEBS LETTERS Volume: 558 Issue: 1-3 Pages: 39-44 Published: JAN 30 2004

2,987.Lazy dynamics of unfolding and ligand interaction - signatures in hemoglobin and its glycosylated form

By: Bhattacharya, J; Moulick, RG; Choudhuri, U; et al.

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 78B Issue: 1 Pages: 55-63 Published: FEB 2004

2,988.Infrared-radiofrequency double resonance spectrometer: an unique machine to probe excited vibrational states

By: Nandi, RN; Bhattacharya, AK; Jaman, AI

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART B Volume: 78B Issue: 1 Pages: 75-80 Published: FEB 2004

2,989.Morphology and transport properties of nanostructural gold on silicon

By: Pal, S; Sanyal, MK; Hazra, S; et al.

JOURNAL OF APPLIED PHYSICS Volume: 95 Issue: 3 Pages: 1430-1435 Published: FEB 1 2004

2,990.An empirical expression to calculate thick target neutron yield distributions from proton induced reactions

By: Maiti, M; Nandy, M; Roy, SN; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 215 Issue: 3-4 Pages: 317-325 Published: FEB 2004

2,991.Method of determining the value of the Coster-Kronig parameter ( $f(23)$ )

By: Santra, S; Mitra, D; Sarkar, M; et al.

PHYSICAL REVIEW A Volume: 69 Issue: 2 Article Number: 024701 Published: FEB 2004

2,992.Magnetic enhancement in antiferromagnetic nanoparticle of CoRh<sub>2</sub>O<sub>4</sub>

By: Bhowmik, RN; Nagarajan, R; Ranganathan, R

PHYSICAL REVIEW B Volume: 69 Issue: 5 Article Number: 054430 Published: FEB 2004

2,993.Phase separation in Nd<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> using Co-59 NMR

By: Ghoshray, A; Bandyopadhyay, B; Ghoshray, K; et al.

PHYSICAL REVIEW B Volume: 69 Issue: 6 Article Number: 064424 Published: FEB 2004

2,994.Study of  $q(\bar{q})$  states in transverse lattice QCD using alternative fermion formulations

By: Chakrabarti, D; Harindranath, A; Vary, JP

PHYSICAL REVIEW D Volume: 69 Issue: 3 Article Number: 034502 Published: FEB 1 2004

2,995.Energetics of acrolein hydrogenation on Pt(111) and Ag(111) surfaces: a BOC-MP model study

By: Khanra, BC; Jugnet, Y; Bertolini, JC

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 208 Issue: 1-2 Pages: 167-174

Published: FEB 2 2004

2,996.Effect of phosphorothioate chirality on the grooves of DNA double helices: A molecular dynamics study

By: Mukherjee, S; Bhattacharyya, D

BIOPOLYMERS Volume: 73 Issue: 2 Pages: 269-282 Published: FEB 5 2004

2,997.On the continuum limit of gauge-fixed compact U(1) lattice gauge theory

By: Basak, S; De, AK; Sinha, T

PHYSICS LETTERS B Volume: 580 Issue: 3-4 Pages: 209-215 Published: FEB 5 2004

2,998.On magnetic ordering in NdCu<sub>2</sub>Sn<sub>2</sub> and PrCu<sub>2</sub>Sn<sub>2</sub>

By: Mazumdar, C; Nagarajan, R; Dhar, SK; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 364 Issue: 1-2 Pages: 1-5 Published: FEB 11 2004

2,999.On the measurement of solar neutrino oscillation parameters with KamLAND

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICS LETTERS B Volume: 581 Issue: 1-2 Pages: 62-74 Published: FEB 12 2004

3,000.Dynamics of linear polymers in random media

By: Chakrabarti, BK; Chattopadhyay, AK; Dutta, A

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 333 Pages: 34-40 Published:

FEB 15 2004

3,001.Metal-insulator transition in double perovskite Sr<sub>2</sub>Fe(Re,W)O<sub>6</sub> compound

By: Poddar, A; Das, S

PHYSICA B-CONDENSED MATTER Volume: 344 Issue: 1-4 Pages: 325-333 Published: FEB 15 2004

3,002.Structural basis of the unusual stability and substrate specificity of ervatamin C, a plant cysteine protease from *Ervatamia coronaria*

By: Thakurta, PG; Biswas, S; Chakrabarti, C; et al.

BIOCHEMISTRY Volume: 43 Issue: 6 Pages: 1532-1540 Published: FEB 17 2004

3,003.Recent advances in characterization of ultra-thin films using specular X-ray reflectivity technique

By: Banerjee, S; Ferrari, S; Chateigner, D; et al.

THIN SOLID FILMS Volume: 450 Issue: 1 Pages: 23-28 Published: FEB 22 2004

3,004.Metrology issues in thin ONO stacks measurements by spectroscopic ellipsometry and X-ray reflectivity

By: Bellandi, E; Elbaz, A; Spadoni, S; et al.

THIN SOLID FILMS Volume: 450 Issue: 1 Pages: 120-123 Published: FEB 22 2004

3,005.Studies of transport and magnetic properties of Ce-doped LaMnO<sub>3</sub>

By: Das, S; Poddar, A; Roy, B; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 365 Issue: 1-2 Pages: 94-101 Published: FEB 25 2004

3,006.Model studies on segregation and catalytic properties of supported Pt-Rh nanocatalysts

By: De Sarkar, A; Khanra, BC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 43 Issue: 3 Pages: 464-472 Published: MAR 2004

3,007.Novel aspects of confined organic systems

By: Datta, A; Chattopadhyay, S

INDIAN JOURNAL OF PHYSICS AND PROCEEDINGS OF THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE-PART A Volume: 78A Issue: 2 Pages: 211-214 Published: MAR 2004

3,008.Correlated effective field theory in transition metal compounds

By: Mukhopadhyay, S; Chatterjee, I

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 270 Issue: 1-2 Pages: 247-290 Published: MAR 2004

3,009.Energy loss around the stopping power maximum of Ne, Mg and Na ions in hydrogen gas

By: Greife, U; Bishop, S; Buchmann, L; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 217 Issue: 1 Pages: 1-6 Published: MAR 2004

3,010.Bremsstrahlung excited standardless EDXRF analysis

By: Mandal, AC; Santra, S; Mitra, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 217 Issue: 1 Pages: 104-112 Published: MAR 2004

3,011.Magnetotransport properties of LaMnO<sub>3</sub>

By: Chatterjee, I

PHYSICAL REVIEW B Volume: 69 Issue: 9 Article Number: 094406 Published: MAR 2004

3,012.Al-27 NMR study in grain-aligned PrNiAl<sub>4</sub>

By: Ghoshray, K; Bandyopadhyay, B; Ghoshray, A

PHYSICAL REVIEW B Volume: 69 Issue: 9 Article Number: 094427 Published: MAR 2004

3,013.Jahn-Teller polarons and their superconductivity in a molecular conductor

By: Ramakumar, R; Yarlagadda, S

PHYSICAL REVIEW B Volume: 69 Issue: 10 Article Number: 104519 Published: MAR 2004

3,014.Anomalous increase in width of fission fragment mass distribution in F-19+Th-232

By: Ghosh, TK; Pal, S; Sinha, T; et al.

PHYSICAL REVIEW C Volume: 69 Issue: 3 Article Number: 031603 Published: MAR 2004

3,015.Neutrinoless double beta decay with small and hierarchical neutrino mass

By: Brahmachari, B

PRAMANA-JOURNAL OF PHYSICS Volume: 62 Issue: 3 Pages: 631-633 Published: MAR 2004

3,016.T invariance of Higgs interactions in the standard model

By: Mitra, P

PRAMANA-JOURNAL OF PHYSICS Volume: 62 Issue: 3 Pages: 639-642 Published: MAR 2004

3,017.Near-horizon states of black holes and Calogero models

By: Basu-Mallick, B; Ghosh, PK; Gupta, KS

PRAMANA-JOURNAL OF PHYSICS Volume: 62 Issue: 3 Pages: 691-694 Published: MAR 2004

3,018.Kinks in discrete light cone quantization

By: Chakrabarti, D; Harindranath, A; Martinovic, L; et al.

PHYSICS LETTERS B Volume: 582 Issue: 3-4 Pages: 196-202 Published: MAR 4 2004

3,019.Studies of electrical transport properties of Sr<sub>2</sub>Fe(Mo,V)O<sub>6</sub> compound

By: Chattopadhyay, B; Poddar, A; Das, S; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 366 Issue: 1-2 Pages: 28-33 Published: MAR 10 2004

3,020.Constraints on neutrino oscillation parameters from the SNO salt phase data

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICS LETTERS B Volume: 583 Issue: 1-2 Pages: 134-148 Published: MAR 11 2004



- 3,021.Observation of pseudo-gap and Kondo behaviour in Al<sub>70</sub>Pd<sub>30</sub>-xMnx quasicrystals  
By: Banerjee, GN; Banerjee, S; Goswami, R  
JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 334 Pages: 388-392 Published: MAR 15 2004
- 3,022.Super-Calogero model with OSp (2 vertical bar 2) supersymmetry: is the construction unique?  
By: Ghosh, PK  
NUCLEAR PHYSICS B Volume: 681 Issue: 3 Pages: 359-373 Published: MAR 15 2004
- 3,023.On the real spectra of the Calogero model with complex coupling  
By: Ghosh, PK; Gupta, KS  
PHYSICS LETTERS A Volume: 323 Issue: 1-2 Pages: 29-33 Published: MAR 15 2004
- 3,024.Effect of chain length on stoichiometry of complex formation between alpha,omega-diphenylpolyenes and N,N-dimethylaniline in excited state  
By: Sen, K; Basu, S  
CHEMICAL PHYSICS LETTERS Volume: 387 Issue: 1-3 Pages: 61-65 Published: MAR 21 2004
- 3,025.On the effective action of a space-like brane  
By: Bhattacharya, S; Mukherji, S; Roy, S  
PHYSICS LETTERS B Volume: 584 Issue: 1-2 Pages: 163-170 Published: MAR 25 2004
- 3,026.N-terminal tail domains of core histones in nucleosome block the access of anticancer drugs, mithramycin and daunomycin, to the nucleosomal DNA  
By: Mir, MA; Das, S; Dasgupta, D  
BIOPHYSICAL CHEMISTRY Volume: 109 Issue: 1 Pages: 121-135 Published: APR 1 2004
- 3,027.Pareto law in a kinetic model of market with random saving propensity  
By: Chatterjee, A; Chakrabarti, BK; Manna, SS  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 335 Issue: 1-2 Pages: 155-163  
Published: APR 1 2004
- 3,028.In search of collectivity in Mo-95,Mo-97 nuclei  
By: Chatterjee, JM; Saha-Sarkar, M; Bhattacharya, S; et al.  
PHYSICAL REVIEW C Volume: 69 Issue: 4 Article Number: 044303 Published: APR 2004
- 3,029.Observation of magnetic rotation in odd-odd Ag-104  
By: Datta, P; Chattopadhyay, S; Banerjee, P; et al.  
PHYSICAL REVIEW C Volume: 69 Issue: 4 Article Number: 044317 Published: APR 2004
- 3,030.Reply to "Comment on 'Extension of the Bethe-Weizsacker mass formula to light nuclei and some new shell closures' "  
By: Samanta, C; Adhikari, S  
PHYSICAL REVIEW C Volume: 69 Issue: 4 Article Number: 049804 Published: APR 2004

- 3,031. Ultraviolet sensitivity of rare decays in nonuniversal extra dimensional models  
By: Dey, P; Bhattacharyya, G  
PHYSICAL REVIEW D Volume: 69 Issue: 7 Article Number: 076009 Published: APR 1 2004
- 3,032. Dependence of up-down asymmetry on the edge safety factor in the Saha Institute of Nuclear Physics-Tokamak (SINP-Tokamak)  
By: Ghosh, J; Pal, R; Basu, D  
PHYSICS OF PLASMAS Volume: 11 Issue: 4 Pages: 1453-1458 Published: APR 2004
- 3,033. Magnetic field effect on indole exciplexes: a comparative study  
By: Sengupta, T; Basu, S  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 60 Issue: 5 Pages: 1127-1132 Published: APR 2004
- 3,034. Role of entrance channel properties in heavy ion induced fission fragment angular distribution studies  
By: Behera, BR; Kailas, S; Mahata, K; et al.  
NUCLEAR PHYSICS A Volume: 734 Pages: 249-252 Published: APR 5 2004
- 3,035. Fragmentation studies with the CHIMERA detector at LNS in Catania: recent progress  
By: Pagano, A; Alderighi, M; Amorini, F; et al.  
NUCLEAR PHYSICS A Volume: 734 Pages: 504-511 Published: APR 5 2004
- 3,036. Universal canonical black hole entropy  
By: Chatterjee, A; Majumdar, P  
PHYSICAL REVIEW LETTERS Volume: 92 Issue: 14 Article Number: 141301 Published: APR 9 2004
- 3,037. Ion beam sputtering induced ripple formation in thin metal films  
By: Karmakar, P; Ghose, D  
SURFACE SCIENCE Volume: 554 Issue: 2-3 Pages: L101-L106 Published: APR 10 2004
- 3,038. Unique behavior of DMF as solvent in fluorescence quenching process  
By: Chatterjee, S; Basu, S; Ghosh, N; et al.  
CHEMICAL PHYSICS LETTERS Volume: 388 Issue: 1-3 Pages: 79-83 Published: APR 11 2004
- 3,039. Tertiary structural changes associated with iron binding and release in hen serum transferrin: a crystallographic and spectroscopic study  
By: Thakurta, PG; Choudhury, D; Dasgupta, R; et al.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 316 Issue: 4 Pages: 1124-1131 Published: APR 16 2004
- 3,040. Half-filled Hubbard ring with alternating site potentials in a magnetic field  
By: Gupta, SJ; Sil, S; Bhattacharyya, B  
PHYSICS LETTERS A Volume: 324 Issue: 5-6 Pages: 494-500 Published: APR 26 2004

3,041. Optical spectroscopic and TEM studies of cationic micelles of CTAB/SDS and their interaction with a NSAID

By: Chakraborty, H; Sarkar, M

LANGMUIR Volume: 20 Issue: 9 Pages: 3551-3558 Published: APR 27 2004

3,042. Chemisorption and reaction characteristics of methyl radicals on Cu(110)

By: Zhai, RS; Chan, YL; Chuang, P; et al.

LANGMUIR Volume: 20 Issue: 9 Pages: 3623-3631 Published: APR 27 2004

3,043. Molecular analysis of GAA repeats and four linked bi-allelic markers in and around the frataxin gene in patients and normal populations from India

By: Chattopadhyay, B; Gupta, S; Gangopadhyay, PK; et al.

ANNALS OF HUMAN GENETICS Volume: 68 Pages: 189-195 Part: 3 Published: MAY 2004

3,044. Microkinetic model studies of alloying effects on the CO+NO+O<sub>2</sub> reactions over Pt-Rh nanocatalysts

By: De Sarkar, A; Khanra, BC

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 43 Issue: 5 Pages: 1033-1038 Published: MAY 2004

3,045. NMR studies in grain aligned CeNiAl<sub>4</sub>: a heavy fermion system

By: Ghoshray, K; Bandyopadhyay, B; Ghoshray, A

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 272 Special Issue: SI Pages: 32-33 Part: 1 Published: MAY 2004

3,046. Competing field pulse induced dynamic transition in Ising models

By: Chatterjee, A; Chakrabarti, BK

PHASE TRANSITIONS Volume: 77 Issue: 5-7 Pages: 581-600 Published: MAY-JUL 2004

3,047. Role of the superexchange interaction in magnetic transition and polaron crossover

By: Chatterjee, J; Das, AN

PHYSICA B-CONDENSED MATTER Volume: 348 Issue: 1-4 Pages: 89-94 Published: MAY 1 2004

3,048. Number of principal components and localization length in E<sub>2</sub> and M<sub>1</sub> transition strengths in V-46

By: Gomez, JMG; Kar, K; Kota, VKB; et al.

PHYSICAL REVIEW C Volume: 69 Issue: 5 Article Number: 057302 Published: MAY 2004

3,049. Inverse beta decay of arbitrarily polarized neutrons in a magnetic field

By: Bhattacharya, K; Pal, PB

PRAMANA-JOURNAL OF PHYSICS Volume: 62 Issue: 5 Pages: 1041-1058 Published: MAY 2004

3,050. Determination of density profile of ultrathin SiO<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub>/SiO<sub>2</sub>/Si(001) multilayer structures using x-ray reflectivity technique

By: Banerjee, S; Ferrari, S; Piagge, R; et al.

APPLIED PHYSICS LETTERS Volume: 84 Issue: 19 Pages: 3798-3800 Published: MAY 10 2004

3,051. Positron annihilation and Mossbauer spectroscopic studies of  $\text{In}^{3+}$  substitution effects in bulk and nanocrystalline  $\text{MgMn}_{0.1}\text{Fe}_{1.9-x}\text{In}_x\text{O}_4$

By: Ghosh, S; Nambissan, PMG; Bhattacharya, R

PHYSICS LETTERS A Volume: 325 Issue: 3-4 Pages: 301-308 Published: MAY 17 2004

3,052. Bound and anti-bound soliton states for a quantum integrable derivative nonlinear Schrodinger model

By: Basu-Mallick, B; Bhattacharyya, T; Sen, D

PHYSICS LETTERS A Volume: 325 Issue: 5-6 Pages: 375-380 Published: MAY 24 2004

3,053. Patching up the monopole potential

By: Chatterjee, A; Mitra, P

PHYSICS LETTERS B Volume: 588 Issue: 3-4 Pages: 217-220 Published: MAY 27 2004

3,054. Studies on the multielemental uptake by thiosemicarbazide incorporated Amberlite IRC-50 using tracer packet technique

By: Roy, K; Basu, S; Nayak, D; et al.

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 43 Issue: 6 Pages: 1152-1155 Published: JUN 2004

3,055. Effect of alkaline-earth and transition metals on the electrical transport of double perovskites

By: Poddar, A; Das, S; Chattopadhyay, B

JOURNAL OF APPLIED PHYSICS Volume: 95 Issue: 11 Pages: 6261-6267 Part: 1 Published: JUN 1 2004

3,056. Parity-violating Kalb-Ramond-Maxwell interactions and CMB anisotropy in a braneworld

By: Maity, D; Majumdar, P; SenGupta, S

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 6 Article Number: 005 Published: JUN 2004

3,057. High efficiency gettering of Au in Si(111) by MeV C implantation

By: Mohapatra, S; Joseph, B; Mahapatra, DP; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 217 Issue: 4 Pages: 578-582 Published: JUN 2004

3,058. Atomic force microscopy study of 60-keV Ar-ion-induced ripple patterns on Si(100)

By: Datta, DP; Chini, TK

PHYSICAL REVIEW B Volume: 69 Issue: 23 Article Number: 235313 Published: JUN 2004

3,059. Effect of Ce doping on structural, magnetic, and transport properties of  $\text{SrMnO}_3$  perovskite

By: Mandal, P; Hassen, A; Loidl, A

PHYSICAL REVIEW B Volume: 69 Issue: 22 Article Number: 224418 Published: JUN 2004

3,060.Fission fragment angular distributions for the systems N-14+Th-232 and B-11+U-235 at near and sub-barrier energies

By: Behera, BR; Satpathy, M; Jena, S; et al.

PHYSICAL REVIEW C Volume: 69 Issue: 6 Article Number: 064603 Published: JUN 2004

3,061.The Na-21(p,gamma)Mg-22 reaction from E-cm=200 to 1103 keV in novae and x-ray bursts

By: D'Auria, JM; Azuma, RE; Bishop, S; et al.

PHYSICAL REVIEW C Volume: 69 Issue: 6 Article Number: 065803 Published: JUN 2004

3,062.Flow effects on multifragmentation in the canonical model

By: Samaddar, SK; De, JN; Shlomo, S

PHYSICAL REVIEW C Volume: 69 Issue: 6 Article Number: 064615 Published: JUN 2004

3,063.Zonal flow and field generation by finite beta drift waves: Finite ion temperature effects

By: Guzdar, PN; Kleva, RG; Chakrabarti, N

PHYSICS OF PLASMAS Volume: 11 Issue: 6 Pages: 3324-3327 Published: JUN 2004

3,064.Polaron crossover in molecular solids

By: Zoli, M; Das, AN

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 16 Issue: 21 Pages: 3597-3607 Article Number: PII S0953-8984(04)73910-7 Published: JUN 2 2004

3,065.New parity-violating photon-axion interaction

By: Majumdar, P

MODERN PHYSICS LETTERS A Volume: 19 Issue: 17 Pages: 1319-1325 Published: JUN 7 2004

3,066.Heat conductivity and thermopower of Nd<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> ceramic

By: Morchshakov, V; Haupt, L; Barner, K; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 372 Issue: 1-2 Pages: 17-24 Published: JUN 9 2004

3,067.Layering of ultrathin SiO<sub>2</sub> film and study of its growth kinetics

By: Gayathri, N; Banerjee, S

APPLIED PHYSICS LETTERS Volume: 84 Issue: 25 Pages: 5192-5194 Published: JUN 21 2004

3,068.Benzene 'dimers' in polystyrene films

By: Chattopadhyay, S; Datta, A

CHEMICAL PHYSICS LETTERS Volume: 391 Issue: 4-6 Pages: 216-219 Published: JUN 21 2004

3,069.Quantum integrability and Bethe ansatz solution for interacting matter-radiation systems

By: Kundu, A

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 37 Issue: 25 Pages: L281-L287 Article Number: PII S0305-4470(04)79125-8 Published: JUN 25 2004

3,070.Shell effect in Pb isotopes near the proton drip line

By: Samanta, C; Adhikari, S

NUCLEAR PHYSICS A Volume: 738 Pages: 491-494 Published: JUN 28 2004

3,071.

Effect of the glycosphingolipid, GM1 on localization of dibucaine in phospholipid vesicles: a fluorescence study

By: Mondal, M; Chakrabarti, A

CHEMISTRY AND PHYSICS OF LIPIDS Volume: 130 Issue: 2 Pages: 175-187 Published: JUL 2004

3,072.Shell model calculations with modified empirical Hamiltonian in the Sn-132 region

By: Sarkar, S; Sarkar, MS

EUROPEAN PHYSICAL JOURNAL A Volume: 21 Issue: 1 Pages: 61-66 Published: JUL 2004

3,073.An engineered EBV vector expressing human factor VIII and von Willebrand factor in cultured B-cells

By: Basu, U; Banerjee, S

JOURNAL OF GENE MEDICINE Volume: 6 Issue: 7 Pages: 760-768 Published: JUL 2004

3,074.Microstructural study of silica gel by positron annihilation

By: Dutta, D; Ganguly, BN; Gangopadhyay, D; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 108 Issue: 26 Pages: 8947-8952 Published: JUL 1 2004

3,075.Lifetime measurements of microsecond isomers in the N=48 nuclei Zr-88 and Mo-90 using recoil-isomer tagging

By: Chakraborty, A; Krishichayan; Ghugre, SS; et al.

PHYSICAL REVIEW C Volume: 70 Issue: 1 Article Number: 014311 Published: JUL 2004

3,076.Anomalous increase in width of fission-fragment mass distribution as a probe for onset of quasifission reactions in deformed target-projectile system at near and sub-barrier energies

By: Ghosh, TK; Pal, S; Sinha, T; et al.

PHYSICAL REVIEW C Volume: 70 Issue: 1 Article Number: 011604 Published: JUL 2004

3,077.Effect of poloidal velocity shear on the edge fluctuations in the SINP tokamak

By: Saha, SK; Kumar, R

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 46 Issue: 7 Pages: 1065-1074 Article Number: PII S0741-3335(04)76773-1 Published: JUL 2004

3,078.Energy dispersive X-ray reflectivity to study phase transitions in thin films

By: Bhattacharya, M; Mukhopadhyay, MK; Pal, S; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 70 Issue: 4-5 Pages: 611-617 Published: JUL-AUG 2004

3,079.Orbital order-disorder transition in La<sub>1-x</sub>Ba<sub>x</sub>MnO<sub>3</sub> in the low-doping region

By: Chatterji, T; Ouladdiaf, B; Mandal, P; et al.

SOLID STATE COMMUNICATIONS Volume: 131 Issue: 2 Pages: 75-80 Published: JUL 2004

3,080. Steric-controlled excimer formation in naphthalene analogues of chalcone

By: Chatterjee, S; Kar, S; Lahiri, S; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 60

Issue: 8-9 Pages: 1713-1718 Published: JUL 2004

3,081. One- and two-proton removal from O-15

By: Jeppesen, H; Kanungo, R; Abu-Ibrahim, B; et al.

NUCLEAR PHYSICS A Volume: 739 Issue: 1-2 Pages: 57-66 Published: JUL 12 2004

3,082. Investigations on the binding and antioxidant properties of the plant flavonoid fisetin in model biomembranes

By: Sengupta, B; Banerjee, A; Sengupta, PK

FEBS LETTERS Volume: 570 Issue: 1-3 Pages: 77-81 Published: JUL 16 2004

3,083. Tunable absorption of Au-Al<sub>2</sub>O<sub>3</sub> nanocermet thin films and its morphology

By: Hazra, S; Gibaud, A; Sella, C

APPLIED PHYSICS LETTERS Volume: 85 Issue: 3 Pages: 395-397 Published: JUL 19 2004

3,084. Positron lifetime studies of the hcp to fcc transformation induced by mechanical attrition of elemental titanium

By: Manna, I; Chattopadhyay, PP; Nandi, P; et al.

PHYSICS LETTERS A Volume: 328 Issue: 2-3 Pages: 246-254 Published: JUL 26 2004

3,085. Band filling dependence of the electrical transport of Nd<sub>(1-x)</sub>A<sub>(x)</sub>TiO<sub>3</sub> (A = Ca, Sr and Ba)

By: Das, S; Poddar, A; Roy, B

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 375 Issue: 1-2 Pages: 15-23 Published: JUL 28 2004

3,086. Deposition of a metal-organic heterostructure to form magnetic-nonmagnetic bilayer films

By: Pal, S; John, NS; Thomas, PJ; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 108 Issue: 30 Pages: 10770-10776 Published: JUL 29 2004

3,087. Quantum spin glass phase boundary in transverse field Ising systems

By: Das, A; Chakrabarti, BK; Dutta, A

INDIAN JOURNAL OF PHYSICS Volume: 78 Issue: 8 Pages: 685-687 Published: AUG 2004

3,088. NLO-QCD corrections to e<sup>(+)</sup>e<sup>(-)</sup> → hadrons in models of TeV-scale gravity

By: Mathews, P; Ravindran, V; Sridhar, K

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 048 Published: AUG 2004

3,089. Low energy Ar<sup>+</sup> ion beam induced kinetic roughening of thin Pt films on a Si substrate

By: Karmakar, P; Ghose, D

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 222 Issue: 3-4 Pages: 477-483 Published: AUG 2004

3,090. Non-equilibrium emission of secondary ions from BeO films sputtered by swift gold ions

By: Czerski, K; Schiwietz, G; Roth, M; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 225 Issue: 1-2 Pages: 72-77 Published: AUG 2004

3,091. The study of inter and intragranular pinning behavior of oxygen irradiated textured polycrystalline  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  and  $\text{Bi}_{1.84}\text{Pb}_{0.34}\text{Sr}_{1.91}\text{Ca}_{2.03}\text{Cu}_3\text{O}_{10+\delta}$  superconductors

By: Sen, PT; Bandyopadhyay, SK; Nambissan, PMG; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 407 Issue: 1-2 Pages: 55-61 Published: AUG 1 2004

3,092. Comments on ' of speckle ultrasonic imaging of soft tissue with account of second harmonic signal'

By: Saha, RK; Sen, SK; Sharma, SK; et al.

PHYSICS IN MEDICINE AND BIOLOGY Volume: 49 Issue: 15 Pages: L11-L13 Article Number: PII S0031-9155(04)79755-9 Published: AUG 7 2004

3,093. Heavy ion irradiation on conducting polypyrrole and  $\text{ZrO}_2$ -polypyrrole nanocomposites

By: De, A; Das, A; Lahiri, S

SYNTHETIC METALS Volume: 144 Issue: 3 Pages: 303-307 Published: AUG 13 2004

3,094. Reactions of the nitro radical anion of metronidazole in aqueous and mixed solvent: a cyclic voltammetric study

By: Mandal, PC

JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 570 Issue: 1 Pages: 55-61 Published: AUG 15 2004

3,095. Microstructural and nuclear magnetic resonance studies of solid-state amorphization in Al-Ti-Si composites prepared by mechanical alloying

By: Manna, I; Nandi, P; Bandyopadhyay, B; et al.

ACTA MATERIALIA Volume: 52 Issue: 14 Pages: 4133-4142 Published: AUG 16 2004

3,096. Polaron cross-overs and d-wave superconductivity in Hubbard-Holstein model

By: Ramakumar, R; Das, AN

EUROPEAN PHYSICAL JOURNAL B Volume: 41 Issue: 2 Pages: 197-200 Published: SEP 2004

3,097. Diffusion in a strongly correlated 2D liquid system

By: Chakrabarti, H; Pal, B

INDIAN JOURNAL OF PHYSICS Volume: 78 Issue: 9 Pages: 935-937 Published: SEP 2004

3,098. Millimeter-wave spectrum of BrCN produced by dc discharge



By: Varadwaj, PR; Jaman, AI

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 227 Issue: 1 Pages: 23-27 Published: SEP 2004

3,099. Medium-dependent electron and H atom transfer between 2'-deoxyadenosine and menadione: A magnetic field effect study

By: Sengupta, T; Choudhury, SD; Basu, S

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 126 Issue: 34 Pages: 10589-10593

Published: SEP 1 2004

3,100. Characterization and dielectric properties of polyaniline-TiO<sub>2</sub> nanocomposites

By: Dey, A; De, S; De, A; et al.

NANOTECHNOLOGY Volume: 15 Issue: 9 Pages: 1277-1283 Article Number: PII S0957-4484(04)80772-4 Published: SEP 2004

190

3,101. Ripple structure of crystalline layers in ion-beam-induced Si wafers

By: Hazra, S; Chini, TK; Sanyal, MK; et al.

PHYSICAL REVIEW B Volume: 70 Issue: 12 Article Number: 121307 Published: SEP 2004

3,102. Transport and magnetic properties of La<sub>1-x</sub>Ba<sub>x</sub>CoO<sub>3</sub>

By: Mandal, P; Choudhury, P; Biswas, SK; et al.

PHYSICAL REVIEW B Volume: 70 Issue: 10 Article Number: 104407 Published: SEP 2004

3,103. Neutron removal studies on C-19

By: Chiba, M; Kanungo, R; Abu-Ibrahim, B; et al.

NUCLEAR PHYSICS A Volume: 741 Pages: 29-41 Published: SEP 6 2004

3,104. Amorphisation and intermetallic nanophase formation in ball-milled Al-Ti-Si studied through positron lifetime spectroscopy

By: Nandi, P; Nambissan, PMG; Manna, I

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 377 Issue: 1-2 Pages: 179-187 Published: SEP 8 2004

3,105. Unfolding of hemoglobin variants - insights from urea gradient gel electrophoresis photon correlation spectroscopy and zeta potential measurements

By: Bhattacharya, J; GhoshMoulick, R; Choudhuri, U; et al.

ANALYTICA CHIMICA ACTA Volume: 522 Issue: 2 Pages: 207-214 Published: SEP 27 2004

3,106. Remeasurement of the half-life of the 615 keV level in Ta-181

By: Dey, CC

EUROPEAN PHYSICAL JOURNAL A Volume: 22 Issue: 1 Pages: 47-50 Published: OCT 2004

3,107. Characterization of non-planar peptide groups in protein crystal structures

By: Dasgupta, AK; Majumdar, R; Bhattacharyya, D

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 41 Issue: 5 Pages: 233-240 Published: OCT 2004

3,108. Systematic study of shell effect near drip-lines

By: Adhikari, S; Samanta, C

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 13 Issue: 5 Pages: 987-997 Published: OCT 2004

3,109. High-spin states in the odd-odd nucleus Tb-146

By: Krishichayan; Chakraborty, A; Ghugre, SS; et al.

PHYSICAL REVIEW C Volume: 70 Issue: 4 Article Number: 044315 Published: OCT 2004

3,110. Microwave-generated low-frequency plasma wave excited in the periphery of the evanescent layer

By: Raychaudhuri, S; Kamal-Al-Hassan, M; Yugami, N; et al.

PHYSICS OF PLASMAS Volume: 11 Issue: 10 Pages: 4634-4640 Published: OCT 2004

3,111. Universal canonical entropy for gravitating systems

By: Chatterjee, A; Majumdar, P

PRAMANA-JOURNAL OF PHYSICS Volume: 63 Issue: 4 Special Issue: SI Pages: 851-858 Published: OCT 2004

3,112. On the validity of some new acoustic scattering approximations

By: Sharma, SK; Saha, RK

WAVES IN RANDOM MEDIA Volume: 14 Issue: 4 Pages: 525-537 Article Number: PII S0959-7174(04)79075-8 Published: OCT 2004

3,113. Induction of apoptosis by benzamide and its inhibition by aurothiomalate (ATA) in Chinese hamster V79 cells

By: Ghosh, U; Pandit, B; Dutta, J; et al.

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume: 554 Issue: 1-2 Pages: 121-129 Published: OCT 4 2004

3,114. Crystal structures of HbA(2) and HbE and modeling of hemoglobin delta(4): Interpretation of the thermal stability and the antisickling effect of HbA(2) and identification of the ferrocyanide binding site in Hb

By: Sen, U; Dasgupta, JL; Choudhury, D; et al.

BIOCHEMISTRY Volume: 43 Issue: 39 Pages: 12477-12488 Published: OCT 5 2004

3,115. Lipopolysaccharides of *Vibrio cholerae* - II. Genetics of biosynthesis

By: Chatterjee, SN; Chaudhuri, K

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1690 Issue: 2 Pages: 93-109 Published: OCT 14 2004

3,116. Supergravity approach to tachyon condensation on the brane-anti-brane system

By: Lu, JX; Roy, S

PHYSICS LETTERS B Volume: 599 Issue: 3-4 Pages: 313-318 Published: OCT 14 2004

3,117.Host-guest complexation of oxacam NSAIDs with beta-cyclodextrin

By: Banerjee, R; Chakraborty, H; Sarkar, M

BIOPOLYMERS Volume: 75 Issue: 4 Pages: 355-365 Published: NOV 2004

3,118.Thermodynamics of the rotating dilaton black hole

By: Ghosh, T

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 11 Article Number: 003 Published: NOV 2004

3,119.Delocalized, non-SUSY p-branes, tachyon condensation and tachyon matter

By: Lu, JX; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 008 Published: NOV 2004

3,120.Energetics of  $MCsn^+$  molecular ions emitted from  $Cs^+$  irradiated surfaces

By: Sarkar, S; Chakraborty, P; Gnaser, H

PHYSICAL REVIEW B Volume: 70 Issue: 19 Article Number: 195427 Published: NOV 2004

3,121.Lepton interferometry in relativistic heavy ion collisions: A case study

By: Alam, J; Mohanty, B; Rahaman, A; et al.

PHYSICAL REVIEW C Volume: 70 Issue: 5 Article Number: 054901 Published: NOV 2004

3,122.Discrete film thickness in polyacrylamide-CdS nanocomposite ultrathin films

By: Singh, A; Mukherjee, M

PHYSICAL REVIEW E Volume: 70 Issue: 5 Article Number: 051608 Part: 1 Published: NOV 2004

3,123.Spectroscopic factors for two-proton radioactive nuclei

By: Basu, C

PRAMANA-JOURNAL OF PHYSICS Volume: 63 Issue: 5 Pages: 1047-1052 Published: NOV 2004

3,124.A neutrino mass model with reflection symmetry

By: Ghosal, A

MODERN PHYSICS LETTERS A Volume: 19 Issue: 34 Pages: 2579-2586 Published: NOV 10 2004

3,125.Structural, optical, and electrical characterization of gadolinium oxide films deposited by low-pressure metalorganic chemical vapor deposition

By: Singh, MP; Thakur, CS; Shalini, K; et al.

JOURNAL OF APPLIED PHYSICS Volume: 96 Issue: 10 Pages: 5631-5637 Published: NOV 15 2004

3,126.Mechanism and kinetics of solid-state amorphization by mechanical alloying of  $Al_{65}Cu_{35-x}Nb_x$

By: Manna, I; Nandi, P; Nambissan, PMG

PHILOSOPHICAL MAGAZINE Volume: 84 Issue: 33 Pages: 3585-3598 Published: NOV 21 2004

- 3,127.Strange behavior of persistent currents in small Hubbard rings  
By: Maiti, SK; Chowdhury, J; Karmakar, SN  
PHYSICS LETTERS A Volume: 332 Issue: 5-6 Pages: 497-502 Published: NOV 22 2004
- 3,128.Quantum bound states for a derivative nonlinear Schrodinger model and number theory  
By: Basu-Mallick, B; Bhattacharyya, T; Sen, D  
MODERN PHYSICS LETTERS A Volume: 19 Issue: 36 Pages: 2697-2706 Published: NOV 30 2004
- 3,129.In<sup>3+</sup> substitution effects and defect distribution in Li<sub>0.25</sub>Mg<sub>0.5</sub>Mn<sub>0.1</sub>Fe<sub>2.15</sub>-xIn<sub>x</sub>O<sub>4</sub> studied by positron annihilation and Mossbauer spectroscopy  
By: Ghosh, S; Nambissan, PMG; Bhattacharya, R  
PHYSICA B-CONDENSED MATTER Volume: 353 Issue: 1-2 Pages: 75-81 Published: NOV 30 2004
- 3,130.Production of Ho-166 through Dy-164(n,gamma) Dy-165(n, gamma)(166) Dy(beta(-))(166) Ho and separation of Ho-166  
By: Lahiri, S; Volkens, KJ; Wierczinski, B  
APPLIED RADIATION AND ISOTOPES Volume: 61 Issue: 6 Pages: 1157-1161 Published: DEC 2004
- 3,131.On the nucleon self-energy in nuclear matter  
By: Mallik, S; Nyffeler, A; Rentmeester, MCM; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 22 Issue: 3 Pages: 371-375 Published: DEC 2004
- 3,132.R-parity violation in B -> pi(+)-pi(-) decay  
By: Bhattacharyya, G; Datta, A; Kundu, K  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 30 Issue: 12 Pages: 1947-1957  
Article Number: PII S0954-3899(04)82576-3 Published: DEC 2004
- 3,133.Role of in-medium hadrons in photon-nucleus reactions: shadowing and dilepton spectrum  
By: Alam, JE; Ghosh, SK; Roy, P; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 30 Issue: 12 Pages: 1967-1990  
Article Number: PII S0954-3899(04)83923-9 Published: DEC 2004
- 3,134.Flux and dose transmission through concrete of neutrons from proton induced reactions on various target elements  
By: Maiti, M; Nandy, M; Roy, SN; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 226 Issue: 4 Pages: 585-594 Published: DEC 2004
- 3,135.Transition from two-dimensional to three-dimensional melting in Langmuir-Blodgett films  
By: Mukhopadhyay, MK; Sanyal, MK; Datta, A; et al.  
PHYSICAL REVIEW B Volume: 70 Issue: 24 Article Number: 245408 Published: DEC 2004
- 3,136.Rotating compact stars with exotic matter  
By: Banik, S; Hanauske, M; Bandyopadhyay, D; et al.  
PHYSICAL REVIEW D Volume: 70 Issue: 12 Article Number: 123004 Published: DEC 2004

3,137.A comparison of ultraviolet sensitivities in universal, nonuniversal, and split extra dimensional models

By: Dey, P; Bhattacharyya, G

PHYSICAL REVIEW D Volume: 70 Issue: 11 Article Number: 116012 Published: DEC 2004

3,138.Magnetic electron drift waves in electron magnetohydrodynamic plasmas

By: Chakrabarti, N; Singh, R

PHYSICS OF PLASMAS Volume: 11 Issue: 12 Pages: 5475-5479 Published: DEC 2004

3,139.Dissipative relaxed states in two-fluid plasma with external drive

By: Bhattacharyya, R; Janaki, MS

PHYSICS OF PLASMAS Volume: 11 Issue: 12 Pages: 5615-5619 Published: DEC 2004

3,140.Working group report: Quantum chromodynamics

By: Mathews, P

PRAMANA-JOURNAL OF PHYSICS Volume: 63 Issue: 6 Pages: 1367-1379 Published: DEC 2004

3,141.Working group report: Heavy ion physics

By: Alam, JE; Assamagan, K; Chattopadhyay, S; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 63 Issue: 6 Pages: 1381-1389 Published: DEC 2004

3,142.Transport and magnetic properties of cobalt doped CeNiAl<sub>4</sub>

By: Ghoshray, K; Bandyopadhyay, B; Poddar, A; et al.

SOLID STATE COMMUNICATIONS Volume: 132 Issue: 10 Pages: 725-729 Published: DEC 2004

3,143.Searching for signals of minimal length in extra dimensional, models using dilepton production at hadron colliders

By: Bhattacharyya, G; Mathews, P; Rao, K; et al.

PHYSICS LETTERS B Volume: 603 Issue: 1-2 Pages: 46-50 Published: DEC 2 2004

3,144.Density profiles and electrical properties of thermally grown oxide nanofilms on p-type 6H-SiC(0001)

By: Hazra, S; Chakraborty, S; Lai, PT

APPLIED PHYSICS LETTERS Volume: 85 Issue: 23 Pages: 5580-5582 Published: DEC 6 2004

3,145.Association of a common variant of the CASP8 gene with reduced risk of breast cancer

By: MacPherson, G; Healey, CS; Teare, MD; et al.

JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE Volume: 96 Issue: 24 Pages: 1866-1869  
Published: DEC 15 2004

3,146.A new measurement of d(Be-7,B-8)n reaction at E-c.m.=4.5 MeV for the extraction of S-17(0) factor using ANC method

By: Das, JJ; Datar, VM; Sugathan, P; et al.

NUCLEAR PHYSICS A Volume: 746 Pages: 561C-564C Published: DEC 27 2004

3,147. Chaperone activity and prodan binding at the self-associating domain of erythroid spectrin  
By: Bhattacharyya, M; Ray, S; Bhattacharya, S; et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 279 Issue: 53 Pages: 55080-55088 Published: DEC 31 2004

3,148. Radioprotection of turmeric extracts in bacterial system  
By: Pal, A; Pal, AK  
ACTA BIOLOGICA HUNGARICA Volume: 56 Issue: 3-4 Pages: 333-343 Published: 2005

3,149. Quenching of hadron spectra due to the collisional energy loss of partons in the quark-gluon plasma  
By: Mustafa, MG; Thoma, MH  
ACTA PHYSICA HUNGARICA A-HEAVY ION PHYSICS Volume: 22 Issue: 1-2 Pages: 93-102 Published: 2005

3,150. Transverse pressure in relativistic nuclear collisions: Evidence for partonic interactions?  
By: Bleicher, M; Bandyopadhyay, D; Bratkovskaya, EL; et al.  
ACTA PHYSICA HUNGARICA A-HEAVY ION PHYSICS Volume: 24 Issue: 1-4 Pages: 181-188 Published: 2005

3,151. Hydrogen-bonding and protonation effects on the formation of charge transfer complex between para-benzoquinone and 2,6-dimethoxy phenol  
By: Bangal, PR  
CHEMICAL PHYSICS LETTERS Volume: 401 Issue: 1-3 Pages: 200-204 Published: JAN 1 2005

3,152. Probing the effects of SHI and doping-induced defects in nanocrystalline spinel ferrites  
By: Ghosh, S; Gupta, A; Reddy, VR; et al.  
DEFECTS AND DIFFUSION IN CERAMICS: AN ANNUAL RETROSPECTIVE VII Book Series: Defect and Diffusion Forum Volume: 242-244 Pages: 255-275 Published: 2005

3,153. A new view to the structure of C-19  
By: Kanungo, R; Chiba, M; Abu-Ibrahim, B; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 261-262 Published: 2005

3,154. Observation of pre-equilibrium alpha particles at extreme backward angles from Si-28 + Si-nat and Si-28+Al-27 reactions at  $E < 5$  MeV/A  
By: Basu, C; Adhikari, S; Basu, P; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 277-278 Published: 2005

3,155. Entrance channel dependence in compound nuclear reactions with loosely bound nuclei  
By: Adhikari, S; Samanta, C; Basu, C; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 299-301 Published: 2005

3,156. Observation of a two-proton halo in Ne-17

- By: Kanungo, R; Chiba, M; Abu-Ibrahim, B; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 327-330 Published: 2005
- 3,157. Studies of light neutron-rich nuclei near the drip line  
By: Pramanik, UD; Aumann, T; Boretzky, K; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 339-341 Published: 2005
- 3,158. Breathing mode energy and nuclear matter incompressibility coefficient within relativistic and non-relativistic models  
By: Agrawal, BK; Shlomo, S; Au, VK  
EUROPEAN PHYSICAL JOURNAL A Volume: 25 Supplement: 1 Pages: 525-526 Published: 2005
- 3,159. Positron annihilation lifetime and coincidence-gated Doppler broadening studies of FeS<sub>2</sub> nanostructures  
By: Kar, S; Chaudhuri, S; Nambissan, PMG  
JOURNAL OF APPLIED PHYSICS Volume: 97 Issue: 1 Article Number: 014301 Published: JAN 1 2005
- 3,160. Effect of complex formation between Zn<sup>2+</sup> ions and the anticancer drug mithramycin upon enzymatic activity of zinc(II)-dependent alcohol dehydrogenase  
By: Das, S; Devi, PG; Pal, S; et al.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY Volume: 10 Issue: 1 Pages: 25-32 Published: JAN 2005
- 3,161. Conformational study of spectrin in presence of submolar concentrations of denaturants  
By: Ray, S; Bhattacharyya, M; Chakrabarti, A  
JOURNAL OF FLUORESCENCE Volume: 15 Issue: 1 Pages: 61-70 Published: JAN 2005
- 3,162. Magnetic properties of alpha-Fe<sub>2</sub>O<sub>3</sub> nanoparticle synthesized by a new hydrothermal method  
By: Giri, S; Samanta, S; Maji, S; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 285 Issue: 1-2 Pages: 296-302 Published: JAN 1 2005
- 3,163. Quantum integrability of bosonic massive Thirring model in continuum  
By: Bhattacharyya, T  
JOURNAL OF MATHEMATICAL PHYSICS Volume: 46 Issue: 1 Article Number: 012301 Published: JAN 2005
- 3,164. Image enhancement by high-order Gaussian derivative filters simulating non-classical receptive fields in the human visual system  
By: Ghosh, K; Sarkar, S; Bhaumik, K  
PATTERN RECOGNITION AND MACHINE INTELLIGENCE, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 3776 Pages: 453-458 Published: 2005

3,165. Positron annihilation studies of some anomalous features of NiFe<sub>2</sub>O<sub>4</sub> nanocrystals grown in SiO<sub>2</sub>

By: Chakraverty, S; Mitra, S; Mandal, K; et al.

PHYSICAL REVIEW B Volume: 71 Issue: 2 Article Number: 024115 Published: JAN 2005

3,166. Screening of a moving parton in the quark-gluon plasma

By: Mustafa, MG; Thoma, MH; Chakraborty, P

PHYSICAL REVIEW C Volume: 71 Issue: 1 Article Number: 017901 Published: JAN 2005

3,167. Ambiguities in statistical calculations of nuclear fragmentation

By: Samaddar, SK; De, JN; Bonasera, A

PHYSICAL REVIEW C Volume: 71 Issue: 1 Article Number: 011601 Published: JAN 2005

3,168. Mass and charge fluctuations and black hole entropy

By: Chatterjee, A; Majumdar, P

PHYSICAL REVIEW D Volume: 71 Issue: 2 Article Number: 024003 Published: JAN 2005

3,169. Log correction to the black hole area law

By: Ghosh, A; Mitra, P

PHYSICAL REVIEW D Volume: 71 Issue: 2 Article Number: 027502 Published: JAN 2005

3,170. Quaternary borocarbides - A new class of superconductors and materials

By: Mazumdar, C; Nagarajan, R

CURRENT SCIENCE Volume: 88 Issue: 1 Pages: 83-95 Published: JAN 10 2005

3,171. Three-phonon excitations in Sn-124

By: Bandyopadhyay, D; Warr, N; Fransen, C; et al.

NUCLEAR PHYSICS A Volume: 747 Issue: 2-4 Pages: 206-226 Published: JAN 24 2005

3,172. Fibonacci-Hubbard chain at zero and finite temperatures

By: Gupta, S; Sil, S; Bhattacharyya, B

PHYSICA B-CONDENSED MATTER Volume: 355 Issue: 1-4 Pages: 299-307 Published: JAN 31 2005

3,173. Analysis of human lymphocyte antigen class I expression in gastric cancer by reverse transcriptase-polymerase chain reaction

By: Dutta, N; Majumder, D; Gupta, A; et al.

HUMAN IMMUNOLOGY Volume: 66 Issue: 2 Pages: 164-169 Published: FEB 2005

3,174. Structural consequences of D481N/K483Q mutation at glycine binding site of NMDA ionotropic glutamate receptors: A molecular dynamics study

By: Blaise, MC; Bhattacharyya, D; Sowdhamini, R; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 22 Issue: 4 Pages: 399-410

Published: FEB 2005



3,175. Competition between ferro-retrieval and anti-ferro orders in a Hopfield-like network model for plant intelligence

By: Inoue, J; Chakrabarti, BK

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 346 Issue: 1-2 Pages: 58-67

Published: FEB 1 2005

3,176. Lifetime measurements of some levels belonging to the  $5p(5) nd (n=6,7,8,9)$  configuration of XeI

By: Das, MB; Karmakar, S

PHYSICA SCRIPTA Volume: 71 Issue: 2 Pages: 170-171 Published: FEB 2005

3,177. Positron annihilation lifetime changes across the structural phase transition in nanocrystalline Fe<sub>2</sub>O<sub>3</sub>

By: Chakrabarti, S; Chaudhuri, S; Nambissan, PMG

PHYSICAL REVIEW B Volume: 71 Issue: 6 Article Number: 064105 Published: FEB 2005

3,178. LEP data and the stability of the potential confront the mSUGRA model

By: Datta, A; Samanta, A

PHYSICS LETTERS B Volume: 607 Issue: 1-2 Pages: 144-154 Published: FEB 3 2005

3,179. Modulation of age at onset of Huntington disease patients by variations in TP53 and human caspase activated DNase (hCAD) genes

By: Chattopadhyay, B; Baksi, K; Mukhopadhyay, S; et al.

NEUROSCIENCE LETTERS Volume: 374 Issue: 2 Pages: 81-86 Published: FEB 10 2005

3,180. Identification, structure, and phylogenetic relationships of a mitogen-activated protein kinase homologue from the parasitic protist Entamoeba histolytica

By: Ray, D; Dutta, S; Banerjee, S; et al.

GENE Volume: 346 Pages: 41-50 Published: FEB 14 2005

3,181. Update of the solar neutrino oscillation analysis with the 766 Ty KamLAND spectrum

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICS LETTERS B Volume: 608 Issue: 1-2 Pages: 115-129 Published: FEB 17 2005

3,182. Radiative lifetimes of some excited states of neutral xenon

By: Das, MB; Karmakar, S

EUROPEAN PHYSICAL JOURNAL D Volume: 32 Issue: 3 Pages: 285-288 Published: MAR 2005

3,183. Characterization of some commercial polymers for the detection of massive cosmic ray particles

By: Basu, B; Mazumdar, A; Raha, S; et al.

INDIAN JOURNAL OF PHYSICS Volume: 79 Issue: 3 Pages: 279-283 Published: MAR 2005

3,184. Binding of (MTR)<sub>2</sub>Zn<sup>2+</sup> complex to chromatin: a comparison with (MTR)<sub>2</sub>Mg<sup>2+</sup> complex

By: Das, S; Dasgupta, D

JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 99 Issue: 3 Pages: 707-715 Published: MAR 2005

3,185. The effect of Fe substitution on magnetic and transport properties of LaMnO<sub>3</sub>

By: De, K; Ray, R; Panda, RN; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 288 Pages: 339-346 Published: MAR 2005

3,186. Experimental lifetimes of some levels of KrI

By: Das, MB; Karmakar, S

JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 91 Issue: 2 Pages: 227-231 Published: MAR 1 2005

3,187. X-ray photoelectron spectroscopy studies of MgB<sub>2</sub> for valence state of Mg

By: Talapatra, A; Bandyopadhyay, SK; Sen, P; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 419 Issue: 3-4 Pages: 141-147 Published: MAR 1 2005

3,188. Radiative lifetimes of some excited states of neutral argon

By: Das, MB; Karmakar, S

PHYSICA SCRIPTA Volume: 71 Issue: 3 Pages: 266-267 Published: MAR 2005

3,189. Formation of a rectifier with gold nanoclusters: X-ray reflectivity and atomic force microscopy measurements

By: Pal, S; Sanyal, MK; John, NS; et al.

PHYSICAL REVIEW B Volume: 71 Issue: 12 Article Number: 121404 Published: MAR 2005

3,190. Al-27 NMR in grain-aligned ternary intermetallic CeNi<sub>2</sub>Al<sub>5</sub>: A dense Kondo compound

By: Sarkar, R; Ghoshray, K; Bandyopadhyay, B; et al.

PHYSICAL REVIEW B Volume: 71 Issue: 10 Article Number: 104421 Published: MAR 2005

3,191. Systematics and empirical expressions for neutron emission from thick targets in alpha-induced reactions

By: Maiti, M; Roy, SN; Nandy, M; et al.

PHYSICAL REVIEW C Volume: 71 Issue: 3 Article Number: 034601 Published: MAR 2005

3,192. Pre-equilibrium and equilibrium emission of neutrons in Cd-114(alpha,xn) reactions

By: Pal, J; Saha, S; Dey, CC; et al.

PHYSICAL REVIEW C Volume: 71 Issue: 3 Article Number: 034605 Published: MAR 2005

3,193. Crossover behavior in a mixed-mode fiber bundle model

By: Pradhan, S; Chakrabarti, BK; Hansen, A

PHYSICAL REVIEW E Volume: 71 Issue: 3 Article Number: 036149 Part: 2 Published: MAR 2005

3,194. Lateral and transverse wakes due to moving charged particles

By: Bose, A; Janaki, MS

PHYSICS OF PLASMAS Volume: 12 Issue: 3 Article Number: 032102 Published: MAR 2005

3,195. Phase shift analysis of PT-symmetric nonhermitian extension of A(N-1) Calogero model without confining interaction

By: Basu-Mallick, B; Bhattacharyya, T

MODERN PHYSICS LETTERS A Volume: 20 Issue: 7 Pages: 543-552 Published: MAR 7 2005

3,196. Of overlapping Cantor sets and earthquakes: analysis of the discrete Chakrabarti-Stinchcombe model

By: Bhattacharyya, P

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 348 Pages: 199-215

Published: MAR 15 2005

3,197. Time of flight (TOF) spectrometer for accurate measurement of mass and angular distribution of fission fragments in heavy ion induced fission reactions

By: Ghosh, TK; Pal, S; Sinha, T; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 540 Issue: 2-3 Pages: 285-

294 Published: MAR 21 2005

3,198. CO oxidation and NO reduction over supported Pt-Rh and Pd-Rh nanocatalysts: a comparative study

By: De Sarkar, A; Khanra, B

JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL Volume: 229 Issue: 1-2 Pages: 25-29 Published:

MAR 29 2005

3,199. Cosmological dark energy from the cosmic QCD phase transition and colour entanglement

By: Banerjee, S; Bhattacharyya, A; Ghosh, SK; et al.

PHYSICS LETTERS B Volume: 611 Issue: 1-2 Pages: 27-33 Published: MAR 31 2005

3,200. Analysis of some coins by energy dispersive X-ray fluorescence (EDXRF) and high energy particle induced X-ray emission (PIXE) techniques

By: Santra, S; Mitra, D; Sarkar, M; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH

MATERIALS AND ATOMS Volume: 229 Issue: 3-4 Pages: 465-470 Published: APR 2005

3,201. Nanoscale periodic and faceted structures formation on Si(100) by oblique angle oxygen ion sputtering

By: Karmakar, P; Ghose, D

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH

MATERIALS AND ATOMS Volume: 230 Special Issue: SI Pages: 539-544 Published: APR 2005

3,202. Quantum phase transition in  $\text{La}_{1-x}\text{Ba}_x\text{TiO}_3+\delta/2$ : Evidence from resistivity measurements

By: Mandal, P

PHYSICAL REVIEW B Volume: 71 Issue: 16 Article Number: 165106 Published: APR 2005

3,203. Observation of antimagnetic rotation in Cd-108

By: Datta, P; Chattopadhyay, S; Bhattacharya, S; et al.

PHYSICAL REVIEW C Volume: 71 Issue: 4 Article Number: 041305 Published: APR 2005

3,204. Time sequence and time scale of intermediate mass fragment emission

By: De Filippo, E; Pagano, A; Wilczynski, J; et al.

PHYSICAL REVIEW C Volume: 71 Issue: 4 Article Number: 044602 Published: APR 2005

3,205. Glass transition in ultrathin polymer films: A thermal expansion study

By: Bhattacharya, M; Sanyal, MK; Geue, T; et al.

PHYSICAL REVIEW E Volume: 71 Issue: 4 Article Number: 041801 Part: 1 Published: APR 2005

3,206. Dramatic enhancement of capillary wave fluctuations of a decorated water surface

By: Datta, A; Kundu, S; Sanyal, MK; et al.

PHYSICAL REVIEW E Volume: 71 Issue: 4 Article Number: 041604 Part: 1 Published: APR 2005

3,207. Structure of odd-odd La-136 at high spin

By: Bhattacharjee, T; Chanda, S; Bhattacharyya, S; et al.

NUCLEAR PHYSICS A Volume: 750 Issue: 2-4 Pages: 199-217 Published: APR 4 2005

3,208. Infrared behaviour of massless QED in space-time dimensions  $2 < d < 4$

By: Mitra, I; Ratabole, R; Sharatchandra, HS

PHYSICS LETTERS B Volume: 611 Issue: 3-4 Pages: 289-296 Published: APR 7 2005

3,209. Anomalous bias dependence of tunnel magnetoresistance in a magnetic tunnel junction

By: Mukhopadhyay, S; Das, I; Pai, SP; et al.

APPLIED PHYSICS LETTERS Volume: 86 Issue: 15 Article Number: 152108 Published: APR 11 2005

3,210. Manipulating headgroups in Langmuir-Blodgett films through subphase pH variation

By: Kundu, S; Datta, A; Hazra, S

CHEMICAL PHYSICS LETTERS Volume: 405 Issue: 4-6 Pages: 282-287 Published: APR 12 2005

3,211. Effect of ionic strength on the organization and dynamics of tryptophan residues in erythroid spectrin: A fluorescence approach

By: Kelkar, DA; Chattopadhyay, A; Chakrabarti, A; et al.

BIOPOLYMERS Volume: 77 Issue: 6 Pages: 325-334 Published: APR 15 2005

3,212. Ab initio QM/MM study of excited state electron transfer between pyrene and 4,4'-bis(dimethylamino)-diphenylmethane with different solvent systems: Role of hydrogen bonding within solvent molecules

By: Sen, K; Basu, S; Bhattacharyya, D

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 102 Issue: 4 Pages: 368-378

Published: APR 15 2005

3,213. Conducting polymer gel: formation of a novel semi-IPN from polyaniline and crosslinked poly (2-acrylamido-2-methyl propanesulphonic acid)

By: Siddhanta, SK; Gangopadhyay, R

POLYMER Volume: 46 Issue: 9 Pages: 2993-3000 Published: APR 15 2005

3,214. The Na-21( $\rho$ ,  $\gamma$ )Mg-22 reaction in novae and x-ray bursts

By: Chen, AA; Azuma, RE; Bishop, S; et al.

NUCLEAR PHYSICS A Volume: 752 Pages: 510C-513C Published: APR 18 2005

3,215. Comment on 'gelation mechanism of agarose and kappa-carrageenan solutions estimated in terms of concentration fluctuation' [Polym 2002;43:5299]

By: Roy, M; Chakraborty, S

POLYMER Volume: 46 Issue: 10 Pages: 3535-3537 Published: APR 25 2005

3,216. Aspects of near-horizon conformal symmetry

By: Gupta, KS

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 20 Issue: 11 Pages: 2485-2489

Published: APR 30 2005

3,217. Transport studies of metallic La(1-x)A(x)CoO(3) (A = Sr, Ba) ferromagnet

By: Mandal, P; Choudhury, P; Ghosh, B

PHYSICA B-CONDENSED MATTER Volume: 359 Pages: 1363-1365 Published: APR 30 2005

3,218. Levels in doubly odd Pr-138

By: Gangopadhyay, G; Bhowal, S; Bhowmik, RK; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 24 Issue: 2 Pages: 173-178 Published: MAY 2005

3,219. Instantaneous surface work function dependence of M $C_{sn}^+$  molecular ion emission under varying Cs environments

By: Sarkar, S; Chakraborty, P

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 232 Pages: 153-158 Published: MAY 2005

3,220. Quantum chaos: Reduced density matrix fluctuations in coupled systems

By: Nag, S; Ghosh, G; Lahiri, A

PHYSICA D-NONLINEAR PHENOMENA Volume: 204 Issue: 1-2 Pages: 110-121 Published: MAY 1 2005

3,221. Comment on "Hadronic production of thermal photons"

By: Alam, J; Roy, P; Sarkar, S

PHYSICAL REVIEW C Volume: 71 Issue: 5 Article Number: 059802 Published: MAY 2005

3,222. Stopping power of hot QCD plasma

By: Dutt-Mazumder, AK; Alam, J; Roy, P; et al.

PHYSICAL REVIEW D Volume: 71 Issue: 9 Article Number: 094016 Published: MAY 2005

3,223. U(1) gauge invariant noncommutative Schrodinger theory and gravity

By: Muthukumar, B

PHYSICAL REVIEW D Volume: 71 Issue: 10 Article Number: 105007 Published: MAY 2005

3,224. Effects of finite sized charge on downstream wake patterns

By: Bose, A; Janaki, MS

PHYSICS OF PLASMAS Volume: 12 Issue: 5 Article Number: 052105 Published: MAY 2005

3,225. Next-to-leading order QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity

By: Mathews, P; Ravindran, V; Sridhar, K; et al.

NUCLEAR PHYSICS B Volume: 713 Issue: 1-3 Pages: 333-377 Published: MAY 2 2005

3,226. Effect of temperature on positronium annihilation in silica gel

By: Dutta, D; Ganguly, B; Chatterjee, S; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 109 Issue: 20 Pages: 10092-10095 Published: MAY 26 2005

3,227. Role of hydrogen bonds in protein-DNA recognition: Effect of nonplanar amino groups

By: Mukherjee, S; Majumdar, S; Bhattacharyya, D

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 109 Issue: 20 Pages: 10484-10492 Published: MAY 26 2005

3,228. Interplay between hydrophilic and hydrophobic interactions for deciding the molecular orientation in Langmuir-Blodgett film deposition

By: Mukhopadhyay, MK; Sanyal, MK; Datta, A; et al.

CHEMICAL PHYSICS LETTERS Volume: 407 Issue: 4-6 Pages: 276-282 Published: MAY 27 2005

3,229. Comment on "Dynamical role of anyonic excitation statistics in rapidly rotating Bose gases"

By: Ghosh, PK

PHYSICAL REVIEW LETTERS Volume: 94 Issue: 20 Article Number: 208903 Published: MAY 27 2005

3,230. Crystallization and preliminary X-ray diffraction studies of the cysteine protease ervatamin A from *Ervatamia coronaria*

By: Chakraborty, S; Biswas, S; Chakrabarti, C; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 61 Pages: 562-564 Part: 6 Published: JUN 2005

3,231. Nuclear spin relaxation in some non-viscous media using the Hf-181 probe

By: Dey, Chandi Charan

HYPERFINE INTERACTIONS Volume: 163 Issue: 1-4 Pages: 121-128 Published: JUN 2005

3,232. Non-SUSY p-branes delocalized in two directions, tachyon condensation and T-duality  
By: Lu, JX; Roy, S

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 026 Published: JUN 2005

3,233. de-Sitter space, (D)pp-waves and star-matrix model

By: Singh, H

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 061 Published: JUN 2005

3,234. Strange matter in rotating compact stars

By: Banik, S; Hanauske, M; Bandyopadhyay, D

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 31 Issue: 6 Pages: S841-S848

Published: JUN 2005

3,235. Strangeness, cosmological cold dark matter and dark energy

By: Raba, S; Banerjee, S; Bhattacharyya, A; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 31 Issue: 6 Pages: S857-S862

Published: JUN 2005

3,236. Nuclear data sheets for A=88

By: Mukherjee, G; Sonzogni, AA

NUCLEAR DATA SHEETS Volume: 105 Issue: 2 Pages: 419-+ Published: JUN 2005

3,237. L X-ray fluorescence cross sections of some rare earth elements (Z=62, 64, 66, 68 and 70) at 17.8, 22.6 and 25.8 keV

By: Mandal, AC; Santra, S; Mitra, D; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 234 Issue: 3 Pages: 176-184 Published: JUN 2005

3,238. Global analysis of neutrino oscillation

By: Goswami, S; Bandyopadhyay, A; Choubey, S

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 143 Pages: 121-128 Published: JUN 2005

3,239. Lifetime measurement of some excited states of neutral neon

By: Das, MB; Mitra, D; Karmakar, S

PHYSICA SCRIPTA Volume: 71 Issue: 6 Pages: 599-601 Published: JUN 2005

3,240. Spatial distribution of Ar on the Ar-ion-induced rippled surface of Si

By: Datta, DP; Chini, TK

PHYSICAL REVIEW B Volume: 71 Issue: 23 Article Number: 235308 Published: JUN 2005

3,241. Many-polaron effects in the Holstein model

By: Datta, S; Das, A; Yarlagadda, S

PHYSICAL REVIEW B Volume: 71 Issue: 23 Article Number: 235118 Published: JUN 2005

- 3,242. V-51 NMR study of the quasi-one-dimensional alternating chain compound BaCu<sub>2</sub>V<sub>2</sub>O<sub>8</sub>  
By: Ghoshray, K; Pahari, B; Bandyopadhyay, B; et al.  
PHYSICAL REVIEW B Volume: 71 Issue: 21 Article Number: 214401 Published: JUN 2005
- 3,243. Dynamical fission in Sn-124+Ni-64 collision at 35A MeV  
By: De Filippo, E; Pagano, A; Piasecki, E; et al.  
Group Author(s): REVERSE Collaboration  
PHYSICAL REVIEW C Volume: 71 Issue: 6 Article Number: 064604 Published: JUN 2005
- 3,244. Transition in the spectrum of the topological sector of  $\phi^4(2)$  theory at strong coupling  
By: Chakrabarti, D; Harindranath, A; Vary, JP  
PHYSICAL REVIEW D Volume: 71 Issue: 12 Article Number: 125012 Published: JUN 2005
- 3,245. Distorted waves for the study of dispersion  
By: Pal, B; Raychaudhuri, S; Kawai, Y  
PHYSICS OF PLASMAS Volume: 12 Issue: 6 Article Number: 062306 Published: JUN 2005
- 3,246. Steric guided change of electron transfer mechanism in benzene  
By: Chatterjee, S; Basu, S; Ghosh, N; et al.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 61  
Issue: 8 Pages: 1887-1891 Published: JUN 2005
- 3,247. Pore structure of silica gel: a comparative study through BET and PALS  
By: Dutta, D; Chatterjee, S; Pillai, KT; et al.  
CHEMICAL PHYSICS Volume: 312 Issue: 1-3 Pages: 319-324 Published: JUN 6 2005
- 3,248. An improved estimate of black hole entropy in the quantum geometry approach  
By: Ghosh, A; Mitra, P  
PHYSICS LETTERS B Volume: 616 Issue: 1-2 Pages: 114-117 Published: JUN 9 2005
- 3,249. Transport and dielectric properties of alpha-zirconium phosphate-polyaniline composite  
By: De, S; De, A; Das, A; et al.  
MATERIALS CHEMISTRY AND PHYSICS Volume: 91 Issue: 2-3 Pages: 477-483 Published: JUN 15  
2005
- 3,250. Magnetic field effect on N-ethylcarbazole-dimethylterephthalate and N-ethylcarbazole-1,4-  
dicyanobenzene: A comparative study focusing on steric effect  
By: Choudhury, SD; Basu, S  
CHEMICAL PHYSICS LETTERS Volume: 408 Issue: 4-6 Pages: 274-278 Published: JUN 17 2005
- 3,251. Effect of metal ions on monolayer collapses  
By: Kundu, S; Datta, S; Hazra, S  
LANGMUIR Volume: 21 Issue: 13 Pages: 5894-5900 Published: JUN 21 2005



- 3,252. Validity of a modified Born approximation for a pulsed plane wave in acoustic scattering problems  
By: Saha, RK; Sharma, SK  
PHYSICS IN MEDICINE AND BIOLOGY Volume: 50 Issue: 12 Pages: 2823-2836 Published: JUN 21 2005
- 3,253. Ab initio results for the broken phase of scalar light front field theory  
By: Chakrabarti, D; Harindranath, A; Martinovic, L; et al.  
PHYSICS LETTERS B Volume: 617 Issue: 1-2 Pages: 92-98 Published: JUN 23 2005
- 3,254. Multi-band structure of a coupling constant for quantum bound states of a generalized nonlinear Schrodinger model  
By: Basu-Mallick, B; Bhattacharyya, T; Sen, D  
PHYSICS LETTERS A Volume: 341 Issue: 5-6 Pages: 371-379 Published: JUN 27 2005
- 3,255. A possible mechanism of zero-crossing detection using the concept of the extended classical receptive field of retinal ganglion cells  
By: Ghosh, K; Sarkar, S; Bhaumik, K  
BIOLOGICAL CYBERNETICS Volume: 93 Issue: 1 Pages: 1-5 Published: JUL 2005
- 3,256. Acid-induced denaturation and refolding of prothrombin  
By: Debnath, DK; Mukhopadhyay, K; Basak, S  
BIOPHYSICAL CHEMISTRY Volume: 116 Issue: 2 Pages: 159-165 Published: JUL 1 2005
- 3,257. Stabilizing effect of low concentrations of urea on reverse micelles  
By: Chakraborty, A; Sarkar, M; Basak, S  
JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 287 Issue: 1 Pages: 312-317 Published: JUL 1 2005
- 3,258. Sum rule approach to the isoscalar giant monopole resonance in drip line nuclei  
By: Centelles, M; Vinas, X; Patra, SK; et al.  
PHYSICAL REVIEW C Volume: 72 Issue: 1 Article Number: 014304 Published: JUL 2005
- 3,259. Energy loss of charm quarks in the quark-gluon plasma: Collisional vs radiative losses  
By: Mustafa, MG  
PHYSICAL REVIEW C Volume: 72 Issue: 1 Article Number: 014905 Published: JUL 2005
- 3,260. Ion temperature gradient driven mode in presence of transverse velocity shear in magnetized plasmas  
By: Chakrabarti, N; Rasmussen, JJ; Michelsen, P  
PHYSICS OF PLASMAS Volume: 12 Issue: 7 Article Number: 074501 Published: JUL 2005
- 3,261. On the role of electron correlation and disorder on persistent currents in isolated one-dimensional rings  
By: Maiti, SK; Chowdhury, J; Karmakar, SN

SOLID STATE COMMUNICATIONS Volume: 135 Issue: 4 Pages: 278-283 Published: JUL 2005

3,262. Steric effect on fluorescence quenching

By: Chatterjee, S; Basu, S; Ghosh, N; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 61

Issue: 9 Pages: 2199-2201 Published: JUL 2005

3,263. Quantum integrable multiatom matter-radiation models with and without the rotating-wave approximation

By: Kundu, A

THEORETICAL AND MATHEMATICAL PHYSICS Volume: 144 Issue: 1 Pages: 975-984 Published: JUL

2005

3,264. Geometric finiteness and non-quasinormal modes of the BTZ black hole

By: Gupta, KS; Sen, S

PHYSICS LETTERS B Volume: 618 Issue: 1-4 Pages: 237-242 Published: JUL 7 2005

3,265. Modified Bethe-Weizsacker mass formula with isotonic shift and new driplines

By: Chowdhury, PR; Samanta, C

MODERN PHYSICS LETTERS A Volume: 20 Issue: 21 Pages: 1605-1618 Published: JUL 10 2005

3,266. Crystallization and preliminary X-ray diffraction studies of NP24-I, an isoform of a thaumatin-like protein from ripe tomato fruits

By: Ghosh, R; Chakrabarti, C

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION

COMMUNICATIONS Volume: 61 Pages: 806-807 Part: 8 Published: AUG 2005

3,267. Effect of different site energies on polaronic properties

By: Chatterjee, J; Das, AN

EUROPEAN PHYSICAL JOURNAL B Volume: 46 Issue: 4 Pages: 481-488 Published: AUG 2005

3,268. Supersymmetric quantum mechanics on non-commutative space

By: Ghosh, PK

EUROPEAN PHYSICAL JOURNAL C Volume: 42 Issue: 3 Pages: 355-363 Published: AUG 2005

3,269. Benzamide and 4-amino 1,8 naphthalimide treatment inhibit telomerase activity by down-regulating the expression of telomerase associated protein and inhibiting the poly(ADP-ribosyl)ation of telomerase reverse transcriptase in cultured cells

By: Ghosh, U; Bhattacharyya, NP

FEBS JOURNAL Volume: 272 Issue: 16 Pages: 4237-4248 Published: AUG 2005

3,270. Biosorption of europium radionuclide by calcium alginate beads

By: Nayak, D

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL &

ANALYTICAL CHEMISTRY Volume: 44 Issue: 8 Pages: 1615-1618 Published: AUG 2005

3,271. Structural aspects of synthetic zeolite: A comparative assay through positron annihilation and gas adsorption methods

By: Dutta, D; Chatterjee, S; Ganguly, BN; et al.

JOURNAL OF APPLIED PHYSICS Volume: 98 Issue: 3 Article Number: 033509 Published: AUG 1 2005

3,272. Interactions of the plant flavonoid fisetin with macromolecular targets: Insights from fluorescence spectroscopic studies

By: Sengupta, B; Banerjee, A; Sengupta, PK

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 80 Issue: 2 Pages: 79-86 Published: AUG 1 2005

3,273. An analytic treatment of the Gibbs-Pareto behavior in wealth distribution

By: Das, A; Yarlagadda, S

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 353 Pages: 529-538 Published: AUG 1 2005

3,274. L-subshell ionization of Ce, Nd, and Lu by 4-10-MeV C ions

By: Lapicki, G; Mandal, AC; Santra, S; et al.

PHYSICAL REVIEW A Volume: 72 Issue: 2 Article Number: 022729 Published: AUG 2005

3,275. Finite-size effects on band structure of CdS nanocrystallites studied by positron annihilation

By: Kar, S; Biswas, S; Chaudhuri, S; et al.

PHYSICAL REVIEW B Volume: 72 Issue: 7 Article Number: 075338 Published: AUG 2005

3,276. High precision measurements of  $\theta$  in the solar and reactor neutrino experiments

By: Bandyopadhyay, A; Choubey, S; Goswami, S; et al.

PHYSICAL REVIEW D Volume: 72 Issue: 3 Article Number: 033013 Published: AUG 2005

3,277. Universal criterion for black hole stability

By: Chatterjee, A; Majumdar, P

PHYSICAL REVIEW D Volume: 72 Issue: 4 Article Number: 044005 Published: AUG 2005

3,278. Master equation for a kinetic model of a trading market and its analytic solution

By: Chatterjee, A; Chakrabarti, BK; Stinchcombe, RB

PHYSICAL REVIEW E Volume: 72 Issue: 2 Article Number: 026126 Part: 2 Published: AUG 2005

3,279. Quantum annealing in a kinetically constrained system

By: Das, A; Chakrabarti, BK; Stinchcombe, RB

PHYSICAL REVIEW E Volume: 72 Issue: 2 Article Number: 026701 Part: 2 Published: AUG 2005

3,280. Synthesis, spectroscopy and cyclic voltammetry of new iron(III) complexes with 5-methyl-3-formyl pyrazole 3-hexamethyleneiminyl thiosemicarbazone (HMPz3Hex): X-ray crystallographic

identification of [Fe(MPz3Hex)(2)]ClO4 center dot 2H(2)O with an indication for unusual rotation about the azomethine double bond on complexation with iron(III)

By: Saha, N; Sau, DK; Chaudhuri, S; et al.

TRANSITION METAL CHEMISTRY Volume: 30 Issue: 5 Pages: 532-540 Published: AUG 2005

3,281. p38 mitogen-activated protein kinase (p38MAPK) upregulates catalase levels in response to low dose H2O2 treatment through enhancement of mRNA stability

By: Sen, P; Chakraborty, PK; Raha, S

FEBS LETTERS Volume: 579 Issue: 20 Pages: 4402-4406 Published: AUG 15 2005

3,282. Exactly solvable non-Hermitian Jaynes-Cummings-type Hamiltonian admitting entirely real spectra from supersymmetry

By: Ghosh, PK

JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 38 Issue: 33 Pages: 7313-7323  
Published: AUG 19 2005

3,283. Interaction of piroxicam with micelles: Effect of hydrophobic chain length on structural switchover

By: Chakraborty, H; Sarkar, M

BIOPHYSICAL CHEMISTRY Volume: 117 Issue: 1 Pages: 79-85 Published: AUG 22 2005

3,284. Single mutation at P1 of a chymotrypsin inhibitor changes it to a trypsin inhibitor: X-ray structural (2.15 angstrom) and biochemical basis

By: Khamrui, S; Dasgupta, H; Dattagupta, JK; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1752 Issue: 1 Pages: 65-72  
Published: AUG 31 2005

3,285. Separation of Cs-134 and Eu-152 using inorganic ion exchangers, zirconium vanadate and ceric vanadate

By: Lahiri, S; Roy, K; Bhattacharya, S; et al.

APPLIED RADIATION AND ISOTOPES Volume: 63 Issue: 3 Pages: 293-297 Published: SEP 2005

3,286. Induced resistance in cells exposed to repeated low doses of H2O2 involves enhanced activity of antioxidant enzymes

By: Bose, K; Bhaumik, G; Ghosh, R

CELL BIOLOGY INTERNATIONAL Volume: 29 Issue: 9 Pages: 761-767 Published: SEP 2005

3,287. Two early-stage inverse power law dynamics in nonlinear complex systems far from equilibrium

By: Bhattacharya, S; Sen, AK

EUROPHYSICS LETTERS Volume: 71 Issue: 5 Pages: 797-803 Published: SEP 2005

3,288. Analysis of HLA class Ia transcripts in human leukaemias

By: Majumder, D; Bandyopadhyay, D; Chandra, S; et al.

IMMUNOGENETICS Volume: 57 Issue: 8 Pages: 579-589 Published: SEP 2005

3,289. Synthesis of a novel ion exchanger, ceric vanadate and its application to the separation of Sr-90-Y-90 pair

By: Maji, S; Lahiri, S; Basu, S

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 44 Issue: 9 Pages: 1838-1840 Published: SEP 2005

3,290. Microstructural aspects and positron annihilation study on solid state synthesis of amorphous and nanocrystalline Al<sub>60-x</sub>Ti<sub>40</sub>Six alloys prepared by mechanical alloying

By: Nandi, P; Chattopadhyay, P; Nambissan, PMG; et al.

JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 351 Issue: 30-32 Pages: 2485-2492 Published: SEP 1 2005

3,291. Relativistic mean field study of neutron-rich even-even C and Be isotopes

By: Gangopadhyay, G; Roy, S

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 31 Issue: 9 Pages: 1111-1122 Published: SEP 2005

3,292. High prevalence of spinocerebellar ataxia type 1 in an ethnic Tamil community in India

By: Rengaraj, R; Dhanaraj, M; Arulmozhi, T; et al.

NEUROLOGY INDIA Volume: 53 Issue: 3 Pages: 308-310 Published: SEP 2005

3,293. Role of strain-induced anisotropy on magnetic enhancement in mechanically alloyed Co<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticle

By: Bhowmik, RN; Ranganathan, R; Nagarajan, R; et al.

PHYSICAL REVIEW B Volume: 72 Issue: 9 Article Number: 094405 Published: SEP 2005

3,294. Bose-Einstein condensation in tight-binding bands

By: Ramakumar, R; Das, AN

PHYSICAL REVIEW B Volume: 72 Issue: 9 Article Number: 094301 Published: SEP 2005

3,295. Kalb-Ramond field interactions in a braneworld scenario

By: Chatterjee, A; Majumdar, P

PHYSICAL REVIEW D Volume: 72 Issue: 6 Article Number: 066013 Published: SEP 2005

3,296. Rare weak decays and direct lepton number violating signals in a minimal R-parity violating model of neutrino mass

By: Datta, A; Saha, JP; Kundu, A; et al.

PHYSICAL REVIEW D Volume: 72 Issue: 5 Article Number: 055007 Published: SEP 2005

3,297. Exploring the extent of magnetic field effect on intermolecular photoinduced electron transfer in different organized assemblies

By: Choudhury, SD; Basu, S

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 109 Issue: 36 Pages: 8113-8120 Published: SEP 15 2005

- 3,298. Electrical transport and dielectric relaxation in Fe<sub>3</sub>O<sub>4</sub>-polypyrrole hybrid nanocomposites  
By: Dey, A; De, A; De, SK  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 17 Issue: 37 Pages: 5895-5910 Published:  
SEP 21 2005
- 3,299. Alternative separation methods of no-carrier-added In-111 produced by heavy ion activation of silver  
By: Maji, S; Basu, S; Lahiri, S  
APPLIED RADIATION AND ISOTOPES Volume: 63 Issue: 4 Pages: 513-517 Published: OCT 2005
- 3,300. Particle identification via pulse shape analysis for large-area silicon detectors of the CHIMERA array  
By: Alderighi, M; Amorini, F; Anzalone, A; et al.  
IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 52 Issue: 5 Pages: 1624-1629 Part: 3  
Published: OCT 2005
- 3,301. Study of statistical emissions in Si-28 + Si-nat and Si-28+(27)Al reactions at 4-5 Mev/A incident energies  
By: Basu, C; Adhikari, S; Ghosh, SK; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 14 Issue: 7 Pages:  
1063-1071 Published: OCT 2005
- 3,302. NLO-QCD corrections to dilepton production in the Randall-Sundrum model  
By: Mathews, P; Ravindran, V; Sridhar, K  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 031 Published: OCT 2005
- 3,303. Interface-dominated growth of a metastable novel alloy phase  
By: Sarkar, S; Datta, A; Chakraborty, P; et al.  
JOURNAL OF MATERIALS RESEARCH Volume: 20 Issue: 10 Pages: 2639-2646 Published: OCT 2005
- 3,304. Structure of B-8 and astrophysical S-17 factor  
By: Dhiman, SK; Shyam, R  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 31 Issue: 10 Special Issue: SI  
Pages: S1531-S1535 Published: OCT 2005
- 3,305. Coulomb breakup of psd-shell neutron-rich nuclei  
By: Pramanik, UD; Adrich, P; Aumann, T; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 31 Issue: 10 Special Issue: SI  
Pages: S1583-S1587 Published: OCT 2005
- 3,306. Localization of excitons by molecular layer formation in a polymer film  
By: Chattopadhyay, S; Datta, A  
PHYSICAL REVIEW B Volume: 72 Issue: 15 Article Number: 155418 Published: OCT 2005
- 3,307. Directional Landau damping of wake-field potentials

By: Bose, A; Janaki, MS

PHYSICS OF PLASMAS Volume: 12 Issue: 10 Article Number: 102111 Published: OCT 2005

3,308. An ab initio (RHF) and DFT-B3LYP level spectroscopic studies of BrCCCN and the analysis of atomic polar tensors

By: Varadwaj, PR; Bangal, PR

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 730 Issue: 1-3 Pages: 23-32

Published: OCT 7 2005

3,309. Standing waves in a non-linear ID lattice: Floquet multipliers, Krein signatures, and stability

By: Panda, S; Lahiri, A; Roy, TK; et al.

PHYSICA D-NONLINEAR PHENOMENA Volume: 210 Issue: 3-4 Pages: 262-283 Published: OCT 15 2005

3,310. Effect of polymer-particle interaction in swelling dynamics of ultrathin nanocomposite films

By: Singh, A; Mukherjee, M

MACROMOLECULES Volume: 38 Issue: 21 Pages: 8795-8802 Published: OCT 18 2005

3,311. Anomalous fluctuation of radon, gamma dose and helium emanating from a thermal spring prior to an earthquake

By: Das, NK; Bhandari, RK; Ghose, D; et al.

CURRENT SCIENCE Volume: 89 Issue: 8 Pages: 1399-1404 Published: OCT 25 2005

3,312. Evidence of microscopic effects in fragment mass distribution in heavy ion induced fusion-fission reactions

By: Ghosh, TK; Pal, S; Golda, KS; et al.

PHYSICS LETTERS B Volume: 627 Pages: 26-31 Published: OCT 27 2005

3,313. Folding model analysis of proton radioactivity of spherical proton emitters

By: Basu, DN; Chowdhury, PR; Samanta, C

PHYSICAL REVIEW C Volume: 72 Issue: 5 Article Number: 051601 Published: NOV 2005

3,314. Spectroscopy of Nb-90 at high spin

By: Chakraborty, A; Krishichayan; Ghugre, SS; et al.

PHYSICAL REVIEW C Volume: 72 Issue: 5 Article Number: 054309 Published: NOV 2005

3,315. Investigations in 1+1 dimensional lattice  $\phi(4)$  theory

By: De, AK; Harindranath, A; Maiti, J; et al.

PHYSICAL REVIEW D Volume: 72 Issue: 9 Article Number: 094503 Published: NOV 2005

3,316. Topological charge in 1+1 dimensional lattice  $\phi(4)$  theory

By: De, AK; Harindranath, A; Maiti, J; et al.

PHYSICAL REVIEW D Volume: 72 Issue: 9 Article Number: 094504 Published: NOV 2005

3,317. Gravitational decay of the Z boson

By: Nieves, JF; Pal, PB

PHYSICAL REVIEW D Volume: 72 Issue: 9 Article Number: 093006 Published: NOV 2005

3,318. Nonlinear hydromagnetic waves in two-ion-species plasmas

By: Chaudhuri, M; Chakrabarti, N; Pal, R

PHYSICS OF PLASMAS Volume: 12 Issue: 11 Article Number: 112101 Published: NOV 2005

3,319. Interaction of phenazine with water and DNA bases

By: Choudhury, SD; Basu, S

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 62  
Issue: 1-3 Pages: 736-739 Published: NOV 2005

3,320. Probing universal extra dimension at the International Linear Collider

By: Bhattacharyya, G; Dey, P; Kundu, A; et al.

PHYSICS LETTERS B Volume: 628 Issue: 1-2 Pages: 141-147 Published: NOV 3 2005

3,321. Serum magnesium levels in migraine - Clinical and electrophysiological correlations

By: Mukherjee, S; Bhattacharya, G; Mukherjee, A; et al.

JOURNAL OF THE NEUROLOGICAL SCIENCES Volume: 238 Supplement: 1 Pages: S487-S488  
Published: NOV 15 2005

3,322. Trinucleotide repeat expansion disorders: Observations from Eastern India

By: Mukherjee, S; Chattopadhyay, B; Bhattacharyya, N

JOURNAL OF THE NEUROLOGICAL SCIENCES Volume: 238 Supplement: 1 Pages: S156-S157  
Published: NOV 15 2005

3,323. Morphological changes of Au nanoparticles in Au-polystyrene nanocomposites: A combined spectroscopy, atomic force microscopy and X-ray scattering study

By: Chattopadhyay, S; Datta, A

SYNTHETIC METALS Volume: 155 Issue: 2 Special Issue: SI Pages: 365-367 Published: NOV 15  
2005

3,324. Persistent currents with long-range hopping in 1D single-isolated-diffusive rings

By: Maiti, SK; Chowdhury, J; Karmakar, SN

SYNTHETIC METALS Volume: 155 Issue: 2 Special Issue: SI Pages: 430-433 Published: NOV 15  
2005

3,325. Exploration prospects of a long baseline beta beam neutrino experiment with an iron calorimeter detector

By: Agarwalla, SK; Raychaudhuri, A; Samanta, A

PHYSICS LETTERS B Volume: 629 Issue: 1 Pages: 33-40 Published: NOV 17 2005

3,326. Commissioning the DRAGON facility at ISAC

By: Engel, S; Hutcheon, D; Bishop, S; et al.



NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 553 Issue: 3 Pages: 491-500  
Published: NOV 21 2005

3,327. Interaction of oxicam NSAIDs with DMPC vesicles: differential partitioning of drugs

By: Chakraborty, H; Roy, S; Sarkar, M

CHEMISTRY AND PHYSICS OF LIPIDS Volume: 138 Issue: 1-2 Pages: 20-28 Published: DEC 2005

3,328. Energy barriers and rates of tautomeric transitions in DNA bases: Ab initio quantum chemical study

By: Basu, S; Majumdar, R; Das, GK; et al.

INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 42 Issue: 6 Pages: 378-385 Published: DEC 2005

3,329. Effect of counterion on the structural switchover and binding of piroxicam with sodium dodecyl sulfate (SDS) micelles

By: Chakraborty, H; Sarkar, M

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 292 Issue: 1 Pages: 265-270 Published: DEC 1 2005

3,330. Biosorption of toxic, heavy, no-carrier-added radionuclides by calcium alginate beads

By: Nayak, D; Lahiri, S

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 267 Issue: 1 Pages: 59-65  
Published: DEC 2005

3,331. Lifetime measurement of excited atomic and ionic states of some noble gases using the high-frequency deflection technique

By: Das, MB; Karmakar, S

PRAMANA-JOURNAL OF PHYSICS Volume: 65 Issue: 6 Pages: 1061-1074 Published: DEC 2005

3,332. Measurement of the K to L shell vacancy transfer probabilities for Mo, Pd and Cd in photon impact

By: Santra, S; Mandal, AC; Mitra, D; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 74 Issue: 5 Pages: 282-287 Published: DEC 2005

3,333. Modification of the charge ordering in Pr<sub>1/2</sub>Sr<sub>1/2</sub>MnO<sub>3</sub> nanoparticles

By: Biswas, A; Das, I; Majumdar, C

JOURNAL OF APPLIED PHYSICS Volume: 98 Issue: 12 Article Number: 124310 Published: DEC 15 2005

3,334. Isospin effects studied with the chimera detector at 35 MeV/nucleon

By: Planeta, R; Amorini, F; Anzalone, A; et al.

ACTA PHYSICA POLONICA B Volume: 37 Issue: 1 Pages: 183-191 Published: JAN 2006

3,335. Isoscaling in neck fragmentation

By: De Filippo, E; Amorini, F; Anzalone, A; et al.

ACTA PHYSICA POLONICA B Volume: 37 Issue: 1 Pages: 199-205 Published: JAN 2006

3,336. Separation of samarium and neodymium: a prerequisite for getting signals from nuclear synthesis

By: Maji, Samir; Lahiri, Susanta; Wierczinski, Birgit; et al.

ANALYST Volume: 131 Issue: 12 Pages: 1332-1334 Published: 2006

3,337. Explosive helium burst in thermal spring emanations

By: Das, NK; Btlandari, RK; Ghose, D; et al.

APPLIED RADIATION AND ISOTOPES Volume: 64 Issue: 1 Pages: 144-148 Published: JAN 2006

3,338. Lipopolysaccharides of vibrio cholerae: III. Biological functions

By: Chatterjee, SN; Chaudhuri, K

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1762 Issue: 1 Pages: 1-16 Published: JAN 2006

3,339. New vision tools from the comparative study of an "old" psychophysical and a "modern" computational model

By: Ghosh, K; Sarkar, S; Bhaumik, K

BIOLOGICALLY INSPIRED APPROACHES TO ADVANCED INFORMATION TECHNOLOGY, PROCEEDINGS Book Series: Lecture Notes in Computer Science Volume: 3853 Pages: 236-251 Published: 2006

3,340. Epigallocatechin 3-gallate(EGCG) and resveratrol hinder the anti-apoptotic effects of chronic/repetitive stress.

By: Sen, P.; Chakraborty, P. K.; Raha, S.

RADICAL RESEARCH Volume: 40 Supplement: 1 Pages: S96-S96 Published: 2006

3,341. A green method for synthesis of radioactive gold nanoparticles

By: Roy, Kamalika; Lahiri, Susanta

GREEN CHEMISTRY Volume: 8 Issue: 12 Pages: 1063-1066 Published: 2006

3,342. Non-planar amino groups: Protein structure database analysis and ab initio quantum chemical studies on model systems

By: Bhattacharyya, D; Sen, K; Mukherjee, S

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 45 Issue: 1 Pages: 58-67 Published: JAN 2006

3,343. India-based Neutrino Observatory - the present status

By: Bhattacharya, Sudeb

Group Author(s): INFO Collaboration

INTERNATIONAL WORKSHOP ON NUCLEAR PHYSICS 27TH COURSE: NEUTRINOS IN COSMOLOGY, IN ASTRO, PARTICLE AND NUCLEAR PHYSICS Book Series: Progress in Particle and Nuclear Physics Volume: 57 Issue: 1 Pages: 299-308 Published: 2006

- 3,344. A microspectroscopic study of the electronic homogeneity of ordered and disordered Sr<sub>2</sub>FeMoO<sub>6</sub>  
By: Topwal, D; Manju, U; Ray, S; et al.  
JOURNAL OF CHEMICAL SCIENCES Volume: 118 Issue: 1 Pages: 87-92 Published: JAN 2006
- 3,345. More on tachyon cosmology in de Sitter gravity  
By: Singh, H  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 071 Published: JAN 2006
- 3,346. Analysis of a model with a common source of CP violation  
By: Adhikary, B  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 32 Issue: 1 Pages: 23-38  
Published: JAN 2006
- 3,347. Remarks on flavour mixings from orbifold compactification  
By: Bhattacharyya, G; Raychaudhuri, A  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 32 Issue: 1 Pages: B1-B5  
Published: JAN 2006
- 3,348. Characterisation of a Compton suppressed Clover detector for high energy gamma rays ( $\leq 11$  MeV)  
By: Sarkar, MS; Kshetri, R; Raut, R; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 556 Issue: 1 Pages: 266-272  
Published: JAN 1 2006
- 3,349. Mass dependent surface interface modification of Ag/Co films under controlled ion beam irradiation  
By: Kundu, S  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 242 Issue: 1-2 Pages: 542-545 Published: JAN 2006
- 3,350. Electrical characterization of oxygen-induced nanosized ripples on aluminum thin films by conductive atomic force microscopy  
By: Mishra, P; Karmakar, P; Ghose, D  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 243 Issue: 1 Pages: 16-19 Published: JAN 2006
- 3,351. NMR study of V-51 in quasi-one-dimensional integer spin chain compound SrNi<sub>2</sub>V<sub>2</sub>O<sub>8</sub>  
By: Pahari, B; Ghoshray, K; Sarkar, R; et al.  
PHYSICAL REVIEW B Volume: 73 Issue: 1 Article Number: 012407 Published: JAN 2006
- 3,352. alpha decay half-lives of new superheavy elements  
By: Chowdhury, PR; Samanta, C; Basu, DN  
PHYSICAL REVIEW C Volume: 73 Issue: 1 Article Number: 014612 Published: JAN 2006

3,353. Astrophysical S-17(0) factor from a measurement of the H-2(Be-7,B-8)n reaction at E-c.m.=4.5 MeV

By: Das, JJ; Datar, VM; Sugathan, P; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 1 Article Number: 015808 Published: JAN 2006

3,354. Waves on noncommutative spacetimes

By: Balachandran, AP; Gupta, KS; Kurkcuoglu, S

PHYSICAL REVIEW D Volume: 73 Issue: 2 Article Number: 025021 Published: JAN 2006

3,355. Shear-wave Mach cones in a strongly coupled dusty plasma

By: Bose, A; Janaki, MS

PHYSICS OF PLASMAS Volume: 13 Issue: 1 Article Number: 012104 Published: JAN 2006

3,356. Attempts to chemically investigate element 112

By: Eichler, R; Bruchle, W; Buda, R; et al.

RADIOCHIMICA ACTA Volume: 94 Issue: 4 Pages: 181-191 Published: 2006

3,357. Extracellular biosynthesis of magnetite using fungi

By: Bharde, A; Rautaray, D; Bansal, V; et al.

SMALL Volume: 2 Issue: 1 Pages: 135-141 Published: JAN 2006

3,358. Integrable Hierarchy of Higher Nonlinear Schrodinger Type Equations

By: Kundu, Anjan

SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS Volume: 2 Article Number: 078 Published: 2006

3,359. Effect of site-diagonal disorder on the polaronic crossover

By: Das, AN; Sil, S

PHYSICS LETTERS A Volume: 348 Issue: 3-6 Pages: 266-271 Published: JAN 2 2006

3,360. Specific heat of bosons in a lattice

By: Ramakumar, R; Das, AN

PHYSICS LETTERS A Volume: 348 Issue: 3-6 Pages: 304-309 Published: JAN 2 2006

3,361. Millimeter-wave spectrum of CICN observed in a DC glow discharge and ab initio calculations

By: Varadwaj, Pradeep R.; Bangal, Prakriti R.; Jaman, A. I.

JOURNAL OF MOLECULAR STRUCTURE Volume: 780-81 Special Issue: SI Pages: 17-21 Published: JAN 3 2006

3,362. Tea polyphenol epigallocatechin 3-gallate impedes the anti-apoptotic effects of low-grade repetitive stress through inhibition of Akt and NF kappa B survival pathways

By: Sen, P; Chakraborty, PK; Raha, S

FEBS LETTERS Volume: 580 Issue: 1 Pages: 278-284 Published: JAN 9 2006

3,363. A relativistic two-nucleon model for  $A(p, K^+) B$ -Lambda reaction

By: Shyam, R; Lenske, H; Mosel, U

NUCLEAR PHYSICS A Volume: 764 Pages: 313-337 Published: JAN 9 2006

3,364. Angular distribution of neutrons from heavy ion induced reactions in thick targets

By: Maiti, M; Nandy, M; Roy, SN; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 556 Issue: 2 Pages: 577-588

Published: JAN 15 2006

3,365. Giant enhancement of room-temperature magnetoresistance in

$\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Nd}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$  multilayers

By: Mukhopadhyay, S; Das, I

APPLIED PHYSICS LETTERS Volume: 88 Issue: 3 Article Number: 032506 Published: JAN 16 2006

3,366. Inversion of magnetoresistance in magnetic tunnel junctions: Effect of pinhole nanocontacts

By: Mukhopadhyay, S; Das, I

PHYSICAL REVIEW LETTERS Volume: 96 Issue: 2 Article Number: 026601 Published: JAN 20 2006

3,367. Heat capacity and magnetocaloric studies of  $\text{RPd}_2\text{Si}$  ( $R = \text{Gd, Th and Dy}$ )

By: Rawat, R; Das, I

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 18 Issue: 3 Pages: 1051-1059 Published: JAN

25 2006

3,368. (A)symmetric tachyon rolling in de Sitter spacetime: A universe devoid of Planck density

By: Singh, H

NUCLEAR PHYSICS B Volume: 734 Issue: 1-2 Pages: 169-184 Published: JAN 30 2006

3,369. Kaon to pion ratio in heavy ion collisions

By: Nayak, JK; Alam, J; Roy, P; et al.

ACTA PHYSICA SLOVACA Volume: 56 Issue: 1 Pages: 27-30 Published: FEB 2006

3,370. A possible explanation of the low-level brightness-contrast illusions in the light of an extended classical receptive field model of retinal ganglion cells

By: Ghosh, K; Sarkar, S; Bhaumik, K

BIOLOGICAL CYBERNETICS Volume: 94 Issue: 2 Pages: 89-96 Published: FEB 2006

3,371. Interaction of 3-hydroxybenzoate-6-hydroxylase with cibacron blue

By: Sumathi, S; Dasgupta, D

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 21 Issue: 1 Pages: 47-53

Published: FEB 2006

3,372. Lack of HLA-E surface expression is due to deficiency of HLA-E transcripts in the malignant hematopoietic cells of leukemic patients

By: Majumder, D; Banerjee, S; Bandyopadhyay, D; et al.

LEUKEMIA RESEARCH Volume: 30 Issue: 2 Pages: 242-245 Published: FEB 2006

3,373. Elastic scattering and fusion cross sections for Be-7,Li-7+Al-27 systems

By: Kalita, K; Verma, S; Singh, R; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 2 Article Number: 024609 Published: FEB 2006

3,374. Neutrinos in the simplest little Higgs scenario and TeV leptogenesis

By: Abada, A; Bhattacharyya, G; Losada, M

PHYSICAL REVIEW D Volume: 73 Issue: 3 Article Number: 033006 Published: FEB 2006

3,375. Integrable multi-atom matter-radiation models without rotating wave approximation

By: Kundu, A

PHYSICS LETTERS A Volume: 350 Issue: 3-4 Pages: 210-213 Published: FEB 6 2006

3,376. Low erosion behavior of polystyrene films under erbium ion implantation

By: Bhattacharya, M; Sanyal, MK; Chini, TK; et al.

APPLIED PHYSICS LETTERS Volume: 88 Issue: 7 Article Number: 071902 Published: FEB 13 2006

3,377. Unifying quantization for inhomogeneous integrable models

By: Kundu, A

PHYSICS LETTERS B Volume: 633 Issue: 4-5 Pages: 657-663 Published: FEB 16 2006

3,378. Purification, crystallization and preliminary X-ray structural studies of a 7.2 kDa cytotoxin isolated from the venom of *Daboia russelli russelli* of the Viperidae family

By: Choudhury, SR; Gomes, A; Dattagupta, JK; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 62 Pages: 292-294 Part: 3 Published: MAR 2006

3,379. New information on the  $T_{1/2}=47$  s isomer in the I-136 nucleus

By: Urban, W; Sarkar, MS; Sarkar, S; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 27 Issue: 3 Pages: 257-262 Published: MAR 2006

3,380. Current algebra derivation of temperature dependence of hadron couplings with currents

By: Mallik, S.

EUROPEAN PHYSICAL JOURNAL C Volume: 45 Issue: 3 Pages: 777-782 Published: MAR 2006

3,381. *Leishmania donovani* cyclin 1 (LdCyc1) forms a complex with cell cycle kinase subunit CRK3 (LdCRK3) and is possibly involved in S-phase-related activities

By: Banerjee, S; Sen, A; Das, P; et al.

FEMS MICROBIOLOGY LETTERS Volume: 256 Issue: 1 Pages: 75-82 Published: MAR 2006

3,382. Generation and prediction of self-similar processes by surrogates

By: Chakraborty, D; Roy, TK

FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY Volume: 14 Issue: 1 Pages: 17-26 Published: MAR 2006

- 3,383. Dynamical fission in the Sn plus Ni interaction at 35A MeV  
By: Russotto, P; Piasecki, E; Amorini, F; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 15 Issue: 2 Pages: 410-416 Published: MAR 2006
- 3,384. Dynamical evolution of the Au-197+Au-197 system at 15 MeV/nucleon  
By: Skwira-Chalot, I; Siwek-Wilczynska, K; Wilczynski, J; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 15 Issue: 2 Pages: 495-499 Published: MAR 2006
- 3,385. Centrifugal distortion analysis of the millimeter-wave spectrum of 2-fluorobenzonitrile and ab initio DFT calculations  
By: Varadwaj, PR; Jaman, AI  
JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 236 Issue: 1 Pages: 70-74 Published: MAR 2006
- 3,386. Generalized mass formula for non-strange and hypernuclei with SU(6) symmetry breaking  
By: Samanta, C; Chowdhury, PR; Basu, DN  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 32 Issue: 3 Pages: 363-373 Published: MAR 2006
- 3,387. Surface studies on 100 MeV Ag<sup>7+</sup> ions and 150 MeV Ni<sup>11+</sup> ions irradiated nanocrystalline ferrite thin films  
By: Ghosh, S; Khan, SA; Ganesan, V; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 244 Issue: 1 Pages: 34-39 Published: MAR 2006
- 3,388. Formation of Fe nanoclusters embedded in Ge and irradiation induced amorphisation and crystallisation of Fe<sup>+</sup> ion implanted Ge  
By: Amirthapandian, S; Panigrahi, BK; Rajalakshmi, M; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 244 Issue: 1 Pages: 52-55 Published: MAR 2006
- 3,389. Magnetic responses in 1D mesoscopic rings and cylinders  
By: Maiti, SK  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 31 Issue: 2 Pages: 117-124 Published: MAR 2006
- 3,390. Volume contraction and resistivity drop at the Jahn-Teller transition in La<sub>1-x</sub>CaxMnO<sub>3</sub>  
By: Chatterji, T; Riley, D; Fauth, F; et al.  
PHYSICAL REVIEW B Volume: 73 Issue: 9 Article Number: 094444 Published: MAR 2006
- 3,391. Evidence of a ratchet effect in nanowires of a conducting polymer  
By: Rahman, A; Sanyal, MK; Gangopadhay, R; et al.

PHYSICAL REVIEW B Volume: 73 Issue: 12 Article Number: 125313 Published: MAR 2006

3,392. Exploring the extended density-dependent Skyrme effective forces for normal and isospin-rich nuclei to neutron stars

By: Agrawal, BK; Dhiman, SK; Kumar, R

PHYSICAL REVIEW C Volume: 73 Issue: 3 Article Number: 034319 Published: MAR 2006

3,393. Continuous phase transition and negative specific heat in finite nuclei

By: De, JN; Samaddar, SK; Shlomo, S; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 3 Article Number: 034602 Published: MAR 2006

3,394. Triaxial superdeformed and normal-deformed high-spin band structures in Hf-170

By: Neusser-Neffgen, A; Hubel, H; Bringel, P; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 3 Article Number: 034309 Published: MAR 2006

3,395. Hyperon production in near-threshold nucleon-nucleon collisions

By: Shyam, R

PHYSICAL REVIEW C Volume: 73 Issue: 3 Article Number: 035211 Published: MAR 2006

3,396. Effects of self-consistency violation in Hartree-Fock RPA calculations for nuclear giant resonances revisited

By: Sil, T; Shlomo, S; Agrawal, BK; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 3 Article Number: 034316 Published: MAR 2006

3,397. Negative current profile measurements in tokamaks using internal Rogowskii coil

By: Narayanan, R; Iyengar, ANS

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 77 Issue: 3 Article Number: 033503 Part: 1  
Published: MAR 2006

3,398. Possible violation of the spin-statistics relation for neutrinos: checking through future galactic supernova

By: Choubey, S; Kar, K

PHYSICS LETTERS B Volume: 634 Issue: 1 Pages: 14-22 Published: MAR 2 2006

3,399. Ab initio studies on excited state intramolecular electron transfer in 4-amino-N-methylphthalimide and 3-amino-N-methylphthalimide

By: Sen, K; Basu, S; Bhattacharyya, D

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 106 Issue: 4 Pages: 913-927  
Published: MAR 15 2006

3,400. Band structure in Rb-83 from lifetime measurements

By: Ganguly, S; Banerjee, P; Ray, I; et al.

NUCLEAR PHYSICS A Volume: 768 Issue: 1-2 Pages: 43-60 Published: MAR 20 2006

3,401. Gauge dependence of the infrared behaviour of massless QED(3)



By: Mitra, I; Ratabole, R; Sharatchandra, HS

PHYSICS LETTERS B Volume: 634 Issue: 5-6 Pages: 557-561 Published: MAR 23 2006

3,402. Separation of trace level hafnium from tungsten: A step toward solving an astronomical puzzle

By: Maji, S; Lahiri, S; Wierczinski, B; et al.

ANALYTICAL CHEMISTRY Volume: 78 Issue: 7 Pages: 2302-2305 Published: APR 1 2006

3,403. Perturbative analysis of multiple-field cosmological inflation

By: Lahiri, J; Bhattacharya, G

ANNALS OF PHYSICS Volume: 321 Issue: 4 Pages: 999-1023 Published: APR 2006

3,404. Positron annihilation spectroscopy of polyacrylonitrile-based carbon fibers embedded with multi-wall carbon nanotubes

By: Chakrabarti, K; Nambissan, PMG; Mukherjee, CD; et al.

CARBON Volume: 44 Issue: 5 Pages: 948-953 Published: APR 2006

3,405. Effect of finite dimensions on the electric field configuration of cylindrical proportional counters

By: Mukhopadhyay, S; Majumdar, N

IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 53 Issue: 2 Pages: 539-543 Published: APR 2006

3,406. Magic numbers from new systematics

By: Basu, C

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 15 Issue: 3 Pages: 747-754 Published: APR 2006

3,407. Coexistence of spin glass and superparamagnetism with ferrimagnetic order in polycrystalline spinel  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_{1.95}\text{Ho}_{0.05}\text{O}_4$

By: Bhowmik, RN; Ranganathan, R; Nagarajan, R

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 299 Issue: 2 Pages: 327-337 Published: APR 2006

3,408. The effect of the rotating helical fields on the plasma edge in the HYBTOK-II Tokamak

By: Budaev, V. P.; Pankratov, I. M.; Takamura, S.; et al.

NUCLEAR FUSION Volume: 46 Issue: 4 Pages: S175-S180 Published: APR 2006

3,409. Proposing new methods in low-level vision from the Mach band illusion in retrospect

By: Ghosh, K; Sarkar, S; Bhaumik, K

PATTERN RECOGNITION Volume: 39 Issue: 4 Pages: 726-730 Published: APR 2006

3,410. Lattice expansion and noncollinear to collinear ferrimagnetic order in a  $\text{MnCr}_2\text{O}_4$  nanoparticle

By: Bhowmik, RN; Ranganathan, R; Nagarajan, R

PHYSICAL REVIEW B Volume: 73 Issue: 14 Article Number: 144413 Published: APR 2006

3,411. High spin states in Sm-143

By: Raut, R; Ganguly, S; Kshetri, R; et al.

PHYSICAL REVIEW C Volume: 73 Issue: 4 Article Number: 044305 Published: APR 2006

3,412. Energy loss and dynamical evolution of quark  $p(T)$  spectra

By: Roy, P; Dutt-Mazumder, AK; Alam, JE

PHYSICAL REVIEW C Volume: 73 Issue: 4 Article Number: 044911 Published: APR 2006

3,413. Two-fluid stationary states with dissipation and external drive

By: Bhattacharyya, R; Janaki, MS

PHYSICS OF PLASMAS Volume: 13 Issue: 4 Article Number: 044508 Published: APR 2006

3,414. Proceedings of the DAE-BRNS Workshop on Hadron Physics - Part I - Organized by Institute of Physics, Bhubaneswar - Saha Institute of Nuclear Physics, Kolkata held at Puri - 7-17 March 2005 - Preface

By: Phatak, SC; Sahu, PK; Shyam, R

PRAMANA-JOURNAL OF PHYSICS Volume: 66 Issue: 4 Pages: 623-624 Published: APR 2006

3,415. Some applications of thermal field theory to quark-gluon plasma

By: Mustafa, MG

PRAMANA-JOURNAL OF PHYSICS Volume: 66 Issue: 4 Pages: 669-687 Published: APR 2006

3,416. Strangeness production in proton-proton and proton-nucleus collisions

By: Shyam, R

PRAMANA-JOURNAL OF PHYSICS Volume: 66 Issue: 4 Pages: 765-780 Published: APR 2006

3,417. Growth of  $\text{La}_2\text{Mo}_2\text{O}_9$  films on porous  $\text{Al}_2\text{O}_3$  substrates by radio frequency magnetron sputtering

By: Laffez, P; Chen, XY; Banerjee, G; et al.

THIN SOLID FILMS Volume: 500 Issue: 1-2 Pages: 27-33 Published: APR 3 2006

3,418. Inhibition of telomerase activity and induction of apoptosis by curcumin in K-562 cells

By: Chakraborty, S; Ghosh, U; Bhattacharyya, NP; et al.

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume: 596 Issue: 1-2 Pages: 81-90 Published: APR 11 2006

3,419. Unzipping DNA by force: thermodynamics and finite size behaviour

By: Kapri, Rajeev; Bhattacharjee, Somendra M.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 18 Issue: 14 Special Issue: SI Pages: S215-S223 Published: APR 12 2006

3,420. Down-regulation of locus-specific human lymphocyte antigen class I expression in Epstein-Barr virus-associated gastric cancer - Implication for viral-induced immune evasion

By: Dutta, N; Gupta, A; Mazumder, DNG; et al.

CANCER Volume: 106 Issue: 8 Pages: 1685-1693 Published: APR 15 2006

- 3,421. Gauge-invariant dressed fermion propagator in massless QED(3)  
By: Mitra, I; Ratabole, R; Sharatchandra, HS  
PHYSICS LETTERS B Volume: 636 Issue: 1 Pages: 68-74 Published: APR 27 2006
- 3,422. Phenomenology of "bimaximal plus democratic" type neutrino mass matrix  
By: Ghosal, Ambar; Majumdar, Debasish  
MODERN PHYSICS LETTERS A Volume: 21 Issue: 13 Pages: 1067-1073 Published: APR 30 2006
- 3,423. Sodium antimony gluconate induces generation of reactive oxygen species and nitric oxide via phosphoinositide 3-kinase and mitogen-activated protein kinase activation in Leishmania donovani-infected macrophages  
By: Basu, JM; Mookerjee, A; Sen, P; et al.  
ANTIMICROBIAL AGENTS AND CHEMOTHERAPY Volume: 50 Issue: 5 Pages: 1788-1797 Published: MAY 2006
- 3,424. Electrical transport, magnetic and thermal properties of icosahedral Al-Pd-Mn quasicrystals  
By: Poddar, A; Das, S; Plachke, D; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 300 Issue: 2 Pages: 263-272  
Published: MAY 2006
- 3,425. Giant dielectric constant in titania nanoparticles embedded in conducting polymer matrix  
By: Dey, Ashis; De, Sukanta; De, Amitabha; et al.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 6 Issue: 5 Pages: 1427-1436  
Published: MAY 2006
- 3,426. Preconcentration of Au-198 in a green alga, Rhizoclonium  
By: Nayak, D.; Nag, M.; Banerjee, S.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 268 Issue: 2 Pages: 337-340  
Published: MAY 2006
- 3,427. Induction of apoptosis in cells expressing exogenous Hipp1, a molecular partner of huntingtin-interacting protein Hip1  
By: Majumder, P; Chattopadhyay, B; Mazumder, A; et al.  
NEUROBIOLOGY OF DISEASE Volume: 22 Issue: 2 Pages: 242-256 Published: MAY 2006
- 3,428. Raman scattering study of Ru(Sr,La)(2)GdCu2O8  
By: Damjanovic, V.; Ulrich, C.; Bernhard, C.; et al.  
PHYSICAL REVIEW B Volume: 73 Issue: 17 Article Number: 172502 Published: MAY 2006
- 3,429. Perturbative versus Schwinger-propagator method for the calculation of amplitudes in a magnetic field  
By: Nieves, Jose F.; Pal, Palash B.  
PHYSICAL REVIEW D Volume: 73 Issue: 10 Article Number: 105003 Published: MAY 2006
- 3,430. Growth of a collapsing Langmuir monolayer

By: Kundu, S.; Datta, A.; Hazra, S.

PHYSICAL REVIEW E Volume: 73 Issue: 5 Article Number: 051608 Part: 1 Published: MAY 2006

3,431. Proceedings of the DAE-BRNS Workshop on Hadron Physics - Part II - Preface

By: Phatak, SC; Sahu, PK; Shyam, R

PRAMANA-JOURNAL OF PHYSICS Volume: 66 Issue: 5 Special Issue: SI Pages: V-VI Published: MAY 2006

3,432. Hadrons in compact stars

By: Bandyopadhyay, D

PRAMANA-JOURNAL OF PHYSICS Volume: 66 Issue: 5 Special Issue: SI Pages: 817-825 Published: MAY 2006

3,433. Continuous monitoring of Rn-222 and its progeny at a remote station for seismic hazard surveillance

By: Das, Nisith K.; Choudhury, Hirok; Bhandari, R. K.; et al.

RADIATION MEASUREMENTS Volume: 41 Issue: 5 Pages: 634-637 Published: MAY 2006

3,434. Interaction of 4-nitroquinoline-1-oxide with indole derivatives and some related biomolecules: A study with magnetic field

By: Choudhury, SD; Basu, S

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 110 Issue: 17 Pages: 8850-8855 Published: MAY 4 2006

3,435. Influence of projectile alpha-breakup threshold on complete fusion

By: Mukherjee, A.; Subinit, Roy; Pradhan, M. K.; et al.

PHYSICS LETTERS B Volume: 636 Issue: 2 Pages: 91-95 Published: MAY 4 2006

3,436. Stochastic resonance in underdamped, bistable systems

By: Ray, R; Sengupta, S

PHYSICS LETTERS A Volume: 353 Issue: 5 Pages: 364-371 Published: MAY 8 2006

3,437. Scalar field entropy in brane world black holes

By: Nandi, K. K.; Zhang, Y. -Z.; Bhadra, A.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 21 Issue: 12 Pages: 2519-2525 Published: MAY 10 2006

3,438. Nuclear matter properties with the re-evaluated coefficients of liquid drop model

By: Chowdhury, P. Roy; Basu, D. N.

ACTA PHYSICA POLONICA B Volume: 37 Issue: 6 Pages: 1833-1846 Published: JUN 2006

3,439. Surface modification of mica due to titanium sputtering as studied by positron annihilation

By: Ganguly, B; Djourelou, N; Suzuki, T; et al.

APPLIED RADIATION AND ISOTOPES Volume: 64 Issue: 6 Pages: 651-655 Published: JUN 2006

- 3,440. Analysis of a long-range random field quantum antiferromagnetic Ising model  
By: Chakrabarti, B. K.; Das, Arnab; Inoue, Jun-Ichi  
EUROPEAN PHYSICAL JOURNAL B Volume: 51 Issue: 3 Pages: 321-329 Published: JUN 2006
- 3,441. Benchmarks and implementation of the ALICE high level trigger  
By: Alt, T.; Appelshaeuser, H.; Bablok, S.; et al.  
Group Author(s): ALICE Collaborations  
IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 53 Issue: 3 Pages: 854-858 Part: 1 Published: JUN 2006
- 3,442. A solvable quantum antiferromagnet model  
By: Chakrabarti, Bikas K.; Inoue, Jun-ichi  
INDIAN JOURNAL OF PHYSICS Volume: 80 Issue: 6 Pages: 609-612 Published: JUN 2006
- 3,443. Two-dimensional self-organization of gold nanoparticles on supramolecular aggregates  
By: Chattopadhyay, Sudeshna; Datta, Alokmay  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 6 Issue: 6 Pages: 1847-1849  
Published: JUN 2006
- 3,444. Titanium-rich highly ordered mesoporous silica synthesized by using a mixed surfactant system  
By: Chandra, Debraj; Mal, Nawal Kishor; Mukherjee, Manabendra; et al.  
JOURNAL OF SOLID STATE CHEMISTRY Volume: 179 Issue: 6 Pages: 1802-1807 Published: JUN 2006
- 3,445. Persistent current and low-field magnetic susceptibility in one channel mesoscopic loops and Mobius strips  
By: Maiti, Santanu K.  
PHYSICA SCRIPTA Volume: 73 Issue: 6 Pages: 519-524 Published: JUN 2006
- 3,446. Effect of uniaxial pressure on charge transport in the layered manganite  $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$   
By: Arumugam, S.; Mydeen, K.; Manivannan, N.; et al.  
PHYSICAL REVIEW B Volume: 73 Issue: 21 Article Number: 212412 Published: JUN 2006
- 3,447. Superfluid-insulator transitions of bosons on the kagome lattice at noninteger fillings  
By: Sengupta, K.; Isakov, S. V.; Kim, Yong Baek  
PHYSICAL REVIEW B Volume: 73 Issue: 24 Article Number: 245103 Published: JUN 2006
- 3,448. Susceptibilities and speed of sound from the Polyakov-Nambu-Jona-Lasinio model  
By: Ghosh, Sanjay K.; Mukherjee, Tamal K.; Mustafa, Munshi G.; et al.  
PHYSICAL REVIEW D Volume: 73 Issue: 11 Article Number: 114007 Published: JUN 2006
- 3,449. Growth of bimolecular films of three-tailed amphiphiles  
By: Kundu, S.; Datta, A.; Sanyal, M. K.; et al.  
PHYSICAL REVIEW E Volume: 73 Issue: 6 Article Number: 061602 Part: 1 Published: JUN 2006

- 3,450. Morphology of Au nanoparticles formed by magnetron sputtering: ellipsoids and rings  
By: Chattopadhyay, S.; Sarkar, S.; Datta, A.; et al.  
SURFACE ENGINEERING Volume: 22 Issue: 3 Pages: 208-211 Published: JUN 2006
- 3,451. Enhancement of persistent current in mesoscopic rings and cylinders: shortest and next possible shortest higher-order hopping  
By: Maiti, Santanu K.; Chowdhury, J.; Karmakar, S. N.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 18 Issue: 23 Pages: 5349-5361 Published: JUN 14 2006
- 3,452. Fundamental strings and NS5-branes from unstable D-branes in supergravity  
By: Lu, J. X.; Roy, Shibaji  
PHYSICS LETTERS B Volume: 637 Issue: 4-5 Pages: 326-330 Published: JUN 15 2006
- 3,453. Generalized solutions for quantum mechanical oscillator on Kahler conifold  
By: Giri, Pulak Ranjan  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 39 Issue: 24 Pages: 7719-7726 Published: JUN 16 2006
- 3,454. Molecular electronic properties and vibrational characteristics of PCCN... HX/DX (X = F, Cl, Br) inter-molecular complexes  
By: Varadwaj, Pradeep R.; Husain, Mudassir M.  
CHEMICAL PHYSICS LETTERS Volume: 424 Issue: 4-6 Pages: 227-232 Published: JUN 24 2006
- 3,455. Encapsulation of 3-hydroxyflavone and fisetin in beta-cyclodextrins: Excited state proton transfer fluorescence and molecular mechanics studies  
By: Banerjee, Anwasha; Sengupta, Pradeep K.  
CHEMICAL PHYSICS LETTERS Volume: 424 Issue: 4-6 Pages: 379-386 Published: JUN 24 2006
- 3,456. Temperature and wavelength dependence of transient photoconductivity in ZnTe  
By: Johnston, S.; Ahrenkiel, R. K.; Bhunia, S.; et al.  
INDIAN JOURNAL OF PHYSICS Volume: 80 Issue: 7 Pages: 703-706 Published: JUL 2006
- 3,457. Synthesis and crystal structure of a salicylatoxovanadium(V) complex of an aminebis(phenolate) ligand: Kinetic studies on its formation from corresponding alkoxo complexes  
By: Maity, Dipankar; Ray, Ambarish; Sheldrick, W. S.; et al.  
INORGANICA CHIMICA ACTA Volume: 359 Issue: 10 Pages: 3197-3204 Published: JUL 1 2006
- 3,458. NLO QCD corrections to Drell-Yan in TeV-scale gravity models  
By: Mathews, Prakash; Ravindran, V.  
NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 157 Pages: 251-255 Published: JUL 2006
- 3,459. Coulomb excitation of Sn-110 using REX-ISOLDE  
By: Ekstrom, A.; Cederkall, J.; Hurst, A.; et al.

Group Author(s): IS418 REX-ISOLDE ISOLDE Collaborat  
PHYSICA SCRIPTA Volume: T125 Pages: 190-191 Published: JUL 2006

3,460. Polarized neutron scattering and sub-Kelvin magnetization measurements in two-dimensional gadolinium stearate Langmuir-Blodgett films

By: Mukhopadhyay, M. K.; Sanyal, M. K.; Sakakibara, T.; et al.

PHYSICAL REVIEW B Volume: 74 Issue: 1 Article Number: 014402 Published: JUL 2006

3,461. Reaction and proton-removal cross sections of Li-6, Be-7, B-10, C-9,C-10,C-11, N-12, O-13,O-15, and Ne-17 on Si at 15 to 53 MeV/nucleon

By: Warner, R. E.; Carstoiu, F.; Brown, J. A.; et al.

PHYSICAL REVIEW C Volume: 74 Issue: 1 Article Number: 014605 Published: JUL 2006

3,462. Effect of hyperon-hyperon interaction on bulk viscosity and r-mode instability in neutron stars

By: Chatterjee, Debarati; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 74 Issue: 2 Article Number: 023003 Published: JUL 2006

3,463. Generic features of the wealth distribution in ideal-gas-like markets

By: Mohanty, P. K.

PHYSICAL REVIEW E Volume: 74 Issue: 1 Article Number: 011117 Part: 1 Published: JUL 2006

3,464. Two-dimensional magnetic ordering in a multilayer structure

By: Mukhopadhyay, M. K.; Sanyal, M. K.

PRAMANA-JOURNAL OF PHYSICS Volume: 67 Issue: 1 Pages: 207-224 Published: JUL 2006

3,465. Nuclear expansion with excitation

By: De, J. N.; Samaddar, S. K.; Vinas, X.; et al.

PHYSICS LETTERS B Volume: 638 Issue: 2-3 Pages: 160-165 Published: JUL 6 2006

3,466. Asymptotic quasinormal modes of d-dimensional schwarzschild black hole with Gauss-Bonnet correction

By: Chakrabarti, Sayan K.; Gupta, Kumar S.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 21 Issue: 17 Pages: 3565-3574

Published: JUL 10 2006

3,467. A(4) symmetry and prediction of Ue(3) in a modified Altarelli-Feruglio model

By: Adhikary, Biswajit; Brahmachari, Biswajoy; Ghosal, Ambar; et al.

PHYSICS LETTERS B Volume: 638 Issue: 4 Pages: 345-349 Published: JUL 13 2006

3,468. Overcoming drug-resistant cancer by a newly developed copper chelate through host-protective cytokine-mediated apoptosis

By: Mookerjee, Ananda; Basu, Jayati Mookerjee; Dutta, Pranabanancla; et al.

CLINICAL CANCER RESEARCH Volume: 12 Issue: 14 Pages: 4339-4349 Part: 1 Published: JUL 15 2006

- 3,469. Computation of 3D MEMS electrostatics using a nearly exact BEM solver  
By: Mukhopadhyay, S.; Majumdar, N.  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS Volume: 30 Issue: 8 Pages: 687-696  
Published: AUG 2006
- 3,470. Spin-parity measurements in the neutron-rich N similar to 20 P-34 and S-36 nuclei  
By: Krishichayan; Charaborty, A.; Mukhopadhyay, S.; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 29 Issue: 2 Pages: 151-159 Published: AUG 2006
- 3,471. Performance of an axial gas ionization detector  
By: Adhikari, S.; Basu, C.; Samanta, C.; et al.  
IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 53 Issue: 4 Pages: 2270-2275 Part: 2  
Published: AUG 2006
- 3,472. Space-like branes, accelerating cosmologies and the near 'horizon' limit  
By: Roy, Shibaji; Singh, Harvendra  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 024 Published: AUG 2006
- 3,473. Direct binding of Cu(II)-complexes of oxycam NSAIDs with DNA backbone  
By: Roy, Suiata; Banerjee, Rona; Sarkar, Munna  
JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 100 Issue: 8 Pages: 1320-1331 Published: AUG 2006
- 3,474. Evidence for enhanced desorption of hydrogen atoms from a Si(100) surface induced by slow highly-charged ions  
By: Deiwiks, J.; Schiwietz, G.; Bhattacharyya, S. R.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 248 Issue: 2 Pages: 253-258 Published: AUG 2006
- 3,475. Reaction mechanisms with loosely bound nuclei Li-7+Li-6 at forward angles in the incident energy range 14-20 MeV  
By: Adhikari, S.; Samanta, C.; Basu, C.; et al.  
PHYSICAL REVIEW C Volume: 74 Issue: 2 Article Number: 024602 Published: AUG 2006
- 3,476. Soft breaking of L-mu-L-tau symmetry: Light neutrino spectrum and leptogenesis  
By: Adhikary, Biswajit  
PHYSICAL REVIEW D Volume: 74 Issue: 3 Article Number: 033002 Published: AUG 2006
- 3,477. Large-order perturbation theory and de Sitter/anti-de Sitter effective actions  
By: Das, Ashok; Dunne, Gerald V.  
PHYSICAL REVIEW D Volume: 74 Issue: 4 Article Number: 044029 Published: AUG 2006
- 3,478. Chaotic-to-ordered state transition of cathode-sheath instabilities in DC glow discharge plasmas  
By: Nurujjaman, M. D.; Iyengar, A. N. Sekar  
PRAMANA-JOURNAL OF PHYSICS Volume: 67 Issue: 2 Pages: 299-304 Published: AUG 2006



- 3,479. Beta decay rates for nuclei with  $115 < A < 140$  for r-process nucleosynthesis  
By: Kar, Kamales; Chakravarti, Soumya; Manfredi, V. R.  
PRAMANA-JOURNAL OF PHYSICS Volume: 67 Issue: 2 Pages: 363-368 Published: AUG 2006
- 3,480. A nonlocal connection between certain linear and nonlinear ordinary differential equations/oscillators  
By: Chandrasekar, V. K.; Senthilvelan, M.; Kundu, Anjan; et al.  
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 39 Issue: 31 Pages: 9743-9754  
Published: AUG 4 2006
- 3,481. Encapsulation of Prodan in beta-cyclodextrin environments: A critical study via electronic spectroscopy and molecular mechanics  
By: Banerjee, Anwasha; Sengupta, Bidisa; Chaudhuri, Sudip; et al.  
JOURNAL OF MOLECULAR STRUCTURE Volume: 794 Issue: 1-3 Pages: 181-189 Published: AUG 7 2006
- 3,482. Colour entangled orphan quarks and dark energy from cosmic QCD phase transition  
By: Banerjee, Shibaji; Bhattacharyya, Abhijit; Ghosh, Sanjay K.; et al.  
NUCLEAR PHYSICS A Volume: 774 Pages: 769-774 Published: AUG 7 2006
- 3,483. Quantitative analysis of hydrogenated diamondlike carbon films by visible Raman spectroscopy  
By: Singha, Achintya; Ghosh, Aditi; Roy, Anushree; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 100 Issue: 4 Article Number: 044910 Published: AUG 15 2006
- 3,484. Enhanced oxidative cross-linking of hemoglobin E with spectrin and loss of erythrocyte membrane asymmetry in hemoglobin E beta-thalassemia  
By: Datta, Poppy; Basu, Sumanta; Chakravarty, Sudipa Basu; et al.  
BLOOD CELLS MOLECULES AND DISEASES Volume: 37 Issue: 2 Pages: 77-81 Published: SEP-OCT 2006
- 3,485. Studying the effects of minimal length in large extra dimensional models in the jet plus missing energy channels at hadron colliders  
By: Bhattacharyya, G.; Rao, K.; Sridhar, K.  
EUROPEAN PHYSICAL JOURNAL C Volume: 47 Issue: 3 Pages: 839-843 Published: SEP 2006
- 3,486. Counting of black hole microstates  
By: Ghosh, A.; Mitra, P.  
INDIAN JOURNAL OF PHYSICS Volume: 80 Issue: 9 Pages: 867-871 Published: SEP 2006
- 3,487. Thermal stability of radiant black holes  
By: Majumdar, Parthasarathi  
INDIAN JOURNAL OF PHYSICS Volume: 80 Issue: 9 Pages: 879-885 Published: SEP 2006

3,488. Development of an experimental arrangement for precise measurement of angular distribution of ultrasound scattering

By: Saha, Ratan K.; Roy, Manas K.; Karmakar, Subhajit; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 44 Issue: 9 Pages: 661-669 Published: SEP 2006

3,489. Assignment and analysis of the rotational spectrum of 3-chlorobenzonitrile

By: Varadwaj, P. R.; Jaman, A. I.; Kisiel, Z.; et al.

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 239 Issue: 1 Pages: 88-93 Published: SEP 2006

3,490. Electronic transport in ferroelectric-ferromagnetic composites  $\text{La}_{5/8}(\text{Ba,Ca})_{3/8}\text{MnO}_3$  :  $\text{LuMnO}_3$

By: Mandal, P.; Choudhury, P.; Ghosh, B.

PHYSICAL REVIEW B Volume: 74 Issue: 9 Article Number: 094421 Published: SEP 2006

3,491. Spin Hall effect in triplet chiral superconductors and graphene

By: Sengupta, K.; Roy, Rahul; Maiti, Moitri

PHYSICAL REVIEW B Volume: 74 Issue: 9 Article Number: 094505 Published: SEP 2006

3,492. Evolution of collectivity in neutron-rich nuclei in the Sn-132 region

By: Kshetri, Ritesh; Sarkar, M. Saha; Sarkar, S.

PHYSICAL REVIEW C Volume: 74 Issue: 3 Article Number: 034314 Published: SEP 2006

3,493. Effects of omega meson self-coupling on the properties of finite nuclei and neutron stars

By: Kumar, Raj; Agrawal, B. K.; Dhiman, Shashi K.

PHYSICAL REVIEW C Volume: 74 Issue: 3 Article Number: 034323 Published: SEP 2006

3,494. Radiative neutrino decay and CP-violation in R-parity violating supersymmetry

By: Bhattacharyya, Gautam; Pal, Palash B.; Pas, Heinrich; et al.

PHYSICAL REVIEW D Volume: 74 Issue: 5 Article Number: 053006 Published: SEP 2006

3,495. Counting black hole microscopic states in loop quantum gravity

By: Ghosh, A.; Mitra, P.

PHYSICAL REVIEW D Volume: 74 Issue: 6 Article Number: 064026 Published: SEP 2006

3,496. Phase transitions in an Ising model on a Euclidean network

By: Chatterjee, Arnab; Sen, Parongama

PHYSICAL REVIEW E Volume: 74 Issue: 3 Article Number: 036109 Part: 2 Published: SEP 2006

3,497. Intermittent transport in the scrape-off layer of the SINP tokamak

By: Saha, S. K.; Chowdhury, S.

PHYSICS OF PLASMAS Volume: 13 Issue: 9 Article Number: 092512 Published: SEP 2006

3,498. Transport properties of doped  $\text{RuSr}_2\text{GdCu}_2\text{O}_8$  superconductor

By: Hassen, A.; Mandal, P.

SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 19 Issue: 9 Pages: 902-906 Published: SEP 2006

3,499. High spin spectroscopy of La-137

By: Chanda, Somen; Bhattacharjee, Tumpa; Bhattacharyya, Sarmishtha; et al.

NUCLEAR PHYSICS A Volume: 775 Issue: 3-4 Pages: 153-174 Published: SEP 4 2006

3,500. Baryogenesis via leptogenesis in presence of cosmic strings

By: Sahu, Narendra; Bhattacharjee, Pijushpani; Yajnik, Urjit A.

NUCLEAR PHYSICS B Volume: 752 Issue: 1-2 Pages: 280-296 Published: SEP 18 2006

3,501. Oxide circle formation at silicon-polymer interface

By: Bhattacharya, Mishreyee; Sanyal, Milan K.

APPLIED SURFACE SCIENCE Volume: 252 Issue: 23 Pages: 8301-8308 Published: SEP 30 2006

3,502. Equation of state for isospin asymmetric nuclear matter using lane potential

By: Basu, D. N.; Chowdhury, P. Roy; Samanta, C.

ACTA PHYSICA POLONICA B Volume: 37 Issue: 10 Pages: 2869-2887 Published: OCT 2006

3,503. Non-canonical base pairs and higher order structures in nucleic acids: Crystal structure database analysis

By: Das, Jhuma; Mukherjee, Shayantani; Mitra, Abhijit; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 24 Issue: 2 Pages: 149-161  
Published: OCT 2006

3,504. Conformational specificity of non-canonical base pairs and higher order structures in nucleic acids: crystal structure database analysis

By: Mukherjee, Shayantani; Bansal, Manju; Bhattacharyya, Dhananjay

JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN Volume: 20 Issue: 10-11 Pages: 629-645  
Published: OCT 2006

3,505. Gene therapy for BCR-ABL(+) human CML with dual phosphorylation resistant p27(Kip1) and stable RNA interference using an EBV vector

By: Sengupta, Amitava; Banerjee, Debasish; Chandra, Sarmila; et al.

JOURNAL OF GENE MEDICINE Volume: 8 Issue: 10 Pages: 1251-1261 Published: OCT 2006

3,506. Millimeter-wave spectrum of 2,3-difluorobenzonitrile and ab initio DFT calculations

By: Varadwaj, Pradeep R.; Jaman, A. I.

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 239 Issue: 2 Pages: 216-220 Published: OCT 2006

3,507. ALICE: Physics Performance Report, Volume II

By: Alessandro, B.; Antinori, F.; Belikov, J. A.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 32 Issue: 10 Pages: 1295-2040  
Published: OCT 2006

3,508. Biaxial spin-nematic phase of two-dimensional disordered rotor models and  $S=1$  bosons in optical lattices

By: Bernier, Jean-Sebastien; Sengupta, K.; Kim, Yong Baek

PHYSICAL REVIEW B Volume: 74 Issue: 15 Article Number: 155124 Published: OCT 2006

3,509. Infinite-range Ising ferromagnet in a time-dependent transverse magnetic field: Quench and ac dynamics near the quantum critical point

By: Das, Arnab; Sengupta, K.; Sen, Diptiman; et al.

PHYSICAL REVIEW B Volume: 74 Issue: 14 Article Number: 144423 Published: OCT 2006

3,510. Formation of nanoripples in Al films during  $O_2$  sputtering

By: Mishra, P.; Ghose, D.

PHYSICAL REVIEW B Volume: 74 Issue: 15 Article Number: 155427 Published: OCT 2006

3,511. Negligible influence of domain walls on the magnetocaloric effect in  $GdPt_2$

By: Samanta, Tapas; Das, I.

PHYSICAL REVIEW B Volume: 74 Issue: 13 Article Number: 132405 Published: OCT 2006

3,512. Thermal operator and cutting rules at finite temperature and chemical potential

By: Brandt, F. T.; Das, Ashok; Espinosa, Olivier; et al.

PHYSICAL REVIEW D Volume: 74 Issue: 8 Article Number: 085006 Published: OCT 2006

3,513. Breakdown of staggered fermions at nonzero chemical potential

By: Golterman, Maarten; Shamir, Yigal; Svetitsky, Benjamin

PHYSICAL REVIEW D Volume: 74 Issue: 7 Article Number: 071501 Published: OCT 2006

3,514. Angular distribution of Drell-Yan process at hadron colliders to NLO-QCD in models of TeV scale gravity

By: Mathews, Prakash; Ravindran, V.

NUCLEAR PHYSICS B Volume: 753 Issue: 1-2 Pages: 1-15 Published: OCT 2 2006

3,515. The hardness study of oxygen implanted aluminum thin films

By: Mishra, P.; Ghose, D.

SURFACE & COATINGS TECHNOLOGY Volume: 201 Issue: 3-4 Pages: 965-970 Published: OCT 5 2006

3,516. Hard-core bosons on the kagome lattice: Valence-bond solids and their quantum melting

By: Isakov, S. V.; Wessel, S.; Melko, R. G.; et al.

PHYSICAL REVIEW LETTERS Volume: 97 Issue: 14 Article Number: 147202 Published: OCT 6 2006

- 3,517. Size and temperature dependent cationic redistribution in NiFe<sub>2</sub>O<sub>4</sub>(SiO<sub>2</sub>) nanocomposites: positron annihilation and Mossbauer studies  
By: Mitra, Subarna; Mandal, K.; Sinha, Suman; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 39 Issue: 19 Pages: 4228-4235 Published: OCT 7 2006
- 3,518. Estimation of strength in different extra Watson-Crick hydrogen bonds in DNA double helices through quantum chemical studies  
By: Bandyopadhyay, D.; Bhattacharyya, D.  
BIOPOLYMERS Volume: 83 Issue: 3 Pages: 313-325 Published: OCT 15 2006
- 3,519. Fatty-acid monolayers and metal ions: First step towards a new look  
By: Kundu, Sarathi; Datta, Alokmay  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 289 Issue: 1-3 Pages: 250-253 Published: OCT 15 2006
- 3,520. Simulation of three-dimensional electrostatic field configuration in wire chambers: A novel approach  
By: Majumdar, N.; Mukhopadhyay, S.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 566 Issue: 2 Pages: 489-494 Published: OCT 15 2006
- 3,521. Signature of glass transition in a strongly correlated 2D liquid  
By: Chakrabarti, Haimanti; Pal, Barnana  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 18 Issue: 41 Pages: 9323-9334 Published: OCT 18 2006
- 3,522. Noncommutative two-dimensional gravities  
By: Balachandran, A. P.; Govindarajan, T. R.; Gupta, Kumar S.; et al.  
CLASSICAL AND QUANTUM GRAVITY Volume: 23 Issue: 20 Pages: 5799-5810 Published: OCT 21 2006
- 3,523. Hadron optics: Diffraction patterns in deeply virtual Compton scattering  
By: Brodsky, S. J.; Chakrabarti, D.; Harindranath, A.; et al.  
PHYSICS LETTERS B Volume: 641 Issue: 6 Pages: 440-446 Published: OCT 26 2006
- 3,524. Positron annihilation studies of defects and interfaces in ZnS nanostructures of different crystalline and morphological features  
By: Biswas, Subhajit; Kar, Soumitra; Chaudhuri, Subhadra; et al.  
JOURNAL OF CHEMICAL PHYSICS Volume: 125 Issue: 16 Article Number: 164719 Published: OCT 28 2006
- 3,525. Electron density profile at the interface of SiO<sub>2</sub>/Si(001)  
By: Banerjee, S.; Ferrari, S.; Piagge, R.; et al.

APPLIED SURFACE SCIENCE Volume: 253 Issue: 1 Pages: 17-20 Published: OCT 31 2006

3,526. Separation of no-carrier-added Mn-52 from bulk chromium: A simulation study for accelerator mass spectrometry measurement of Mn-53

By: Lahiri, Susanta; Nayak, Dalia; Korschinek, Gunther

ANALYTICAL CHEMISTRY Volume: 78 Issue: 21 Pages: 7517-7521 Published: NOV 1 2006

3,527. Interactions between 9,10-anthraquinone and aromatic amines in homogeneous and micellar media: A laser flash photolysis and magnetic field effect study

By: Chowdhury, Adity; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 121 Issue: 1 Pages: 113-122 Published: NOV 2006

3,528. Coherent states and spontaneous symmetry breaking in light-front scalar field theory

By: Vary, J. P.; Chakrabarti, D.; Harindranath, A.; et al.

NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS Volume: 161 Pages: 223-229 Published: NOV 2006

3,529. Experimental observation of charge ordering in nanocrystalline Pr<sub>0.65</sub>Ca<sub>0.35</sub>MnO<sub>3</sub>

By: Biswas, Anis; Das, I.

PHYSICAL REVIEW B Volume: 74 Issue: 17 Article Number: 172405 Published: NOV 2006

3,530. Wakes in the quark-gluon plasma

By: Chakraborty, Purnendu; Mustafa, Munshi G.; Thoma, Markus H.

PHYSICAL REVIEW D Volume: 74 Issue: 9 Article Number: 094002 Published: NOV 2006

3,531. Working group report: Heavy-ion physics and quark-gluon plasma

By: Mustafa, Munshi G.; Raniwala, Sudhir

PRAMANA-JOURNAL OF PHYSICS Volume: 67 Issue: 5 Special Issue: SI Pages: 961-981 Published: NOV 2006

3,532. Working group report: Quantum chromodynamics

By: Ravindran, V.

PRAMANA-JOURNAL OF PHYSICS Volume: 67 Issue: 5 Special Issue: SI Pages: 983-992 Published: NOV 2006

3,533. Density functional theoretical (DFT) study for the prediction of spectroscopic parameters of C1CCCN

By: Varadwaj, Pradeep Risikrishna

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 65 Issue: 3-4 Pages: 874-881 Published: NOV 2006

3,534. Transport properties of metallic La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> (0.30 ≤ x ≤ 0.50) ferromagnet

By: Mandal, P.; Hassen, A.; Choudhury, P.

JOURNAL OF APPLIED PHYSICS Volume: 100 Issue: 10 Article Number: 103912 Published: NOV 15 2006

3,535. Electrical transport properties and magnetic cluster glass behavior of Nd<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> nanoparticles

By: Roy, B.; Poddar, A.; Das, S.

JOURNAL OF APPLIED PHYSICS Volume: 100 Issue: 10 Article Number: 104318 Published: NOV 15 2006

3,536. Activation of mitochondrial promoter P-H-binding protein in a radio-resistant Chinese hamster cell strain associated with Bcl-2

By: Roychoudhury, Paromita; Ghosh, Utpal; Bhattacharyya, Nital P.; et al.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 350 Issue: 2 Pages: 272-276 Published: NOV 17 2006

3,537. Critical properties and stability of stationary solutions in multitransonic pseudo-Schwarzschild accretion

By: Chaudhury, Soumini; Ray, Arnab K.; Das, Tapas K.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 373 Issue: 1 Pages: 146-156 Published: NOV 21 2006

3,538. A new mechanism of neutrino mass generation in the NMSSM with broken lepton number

By: Abada, Asmaa; Bhattacharyya, Gautam; Moreau, Gregory

PHYSICS LETTERS B Volume: 642 Issue: 5-6 Pages: 503-509 Published: NOV 23 2006

3,539. Tunneling conductance of graphene NIS junctions

By: Bhattacharjee, Subhro; Sengupta, K.

PHYSICAL REVIEW LETTERS Volume: 97 Issue: 21 Article Number: 217001 Published: NOV 24 2006

3,540. Basantidulal Nagchaudhuri (1917-2006)

By: Mukhopadiyay, Atri

CURRENT SCIENCE Volume: 91 Issue: 10 Pages: 1416-1417 Published: NOV 25 2006

3,541. Exact partition function of SU (m vertical bar n) supersymmetric Haldane-Shastry spin chain

By: Basu-Mallick, B.; Bondyopadhaya, Nilanjan

NUCLEAR PHYSICS B Volume: 757 Issue: 3 Pages: 280-302 Published: NOV 27 2006

3,542. Cloning, expression, purification, crystallization and preliminary crystallographic analysis of pseudo death-effector domain of HIPPI, a molecular partner of Huntingtin-interacting protein HIP-1

By: Banerjee, Manisha; Majumder, Pritha; Bhattacharyya, Nitai P.; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 62 Pages: 1247-1250 Part: 12 Published: DEC 2006

3,543. Spectrin organization and dynamics: New insights

By: Chakrabarti, Abhijit; Kelkar, Devaki A.; Chattopadhyay, Amitabha

BIOSCIENCE REPORTS Volume: 26 Issue: 6 Pages: 369-386 Published: DEC 2006

- 3,544. Thermal operator representation of Feynman graphs  
By: Das, Ashok  
BRAZILIAN JOURNAL OF PHYSICS Volume: 36 Issue: 4A Pages: 1130-1136 Published: DEC 2006
- 3,545. Kinetic market models with single commodity having price fluctuations  
By: Chatterjee, A.; Chakrabarti, B. K.  
EUROPEAN PHYSICAL JOURNAL B Volume: 54 Issue: 3 Pages: 399-404 Published: DEC 2006
- 3,546. Experimental lifetime of some level belonging to the  $5p(4)6d$  configuration of Xell  
By: Das, M. B.; Karmakar, S.  
EUROPEAN PHYSICAL JOURNAL D Volume: 40 Issue: 3 Pages: 339-341 Published: DEC 2006
- 3,547. Specificity of prodan for the self-associating domain of spectrin: A molecular docking study  
By: Bhattacharya, Malyasri; Mukhopadhyay, Chaitali; Chakrabarti, Abhijit  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 24 Issue: 3 Pages: 269-276  
Published: DEC 2006
- 3,548. Experimental lifetimes of some levels belonging to the  $4p(4)5d$  configuration of KrII  
By: Das, M. B.; Karmakar, S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 102 Issue: 3 Pages: 387-390  
Published: DEC 2006
- 3,549. Diatom: A potential bio-accumulator of gold  
By: Chakraborty, N.; Pal, R.; Ramaswami, A.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 270 Issue: 3 Pages: 645-649  
Published: DEC 2006
- 3,550. Proceedings of the Workshop "Common Trends in Traffic Systems", held at Indian Institute of Technology, Kanpur, India, 8-10 February 2006 - Preface  
By: Chowdhury, Debashish; Chakrabarti, Bikas K.; Dutta, Amit  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 372 Issue: 1 Pages: XI-XII  
Published: DEC 1 2006
- 3,551. Robin Stinchcombe: A continuing life in statistical physics  
By: Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 372 Issue: 1 Pages: XIII-XV  
Published: DEC 1 2006
- 3,552. A fiber bundle model of traffic jams  
By: Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 372 Issue: 1 Pages: 162-166  
Published: DEC 1 2006
- 3,553. Magnetic order and electrical conductivity scaling of the spinel oxide  $Mn_{0.5}Ru_{0.5}Co_2O_4$



By: Bhowmik, R. N.; Ranganathan, R.

PHYSICAL REVIEW B Volume: 74 Issue: 21 Article Number: 214417 Published: DEC 2006

3,554. Isospin mode splitting and mixing in asymmetric nuclear matter

By: Biswas, Subhrajyoti; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 74 Issue: 6 Article Number: 065205 Published: DEC 2006

3,555. Forward scattering amplitudes and the thermal operator representation

By: Brandt, F. T.; Das, Ashok; Frenkel, J.; et al.

PHYSICAL REVIEW D Volume: 74 Issue: 12 Article Number: 125005 Published: DEC 2006

3,556. Observation of high energy ion tail in the SINP tokamak plasma

By: Raychaudhuri, S.; Saha, S. K.; Chowdhury, S.; et al.

PHYSICS OF PLASMAS Volume: 13 Issue: 12 Article Number: 122510 Published: DEC 2006

3,557. Design of a low-pass filter by multi-scale even order Gaussian derivatives

By: Karmakar, Subhajit; Ghosh, Kuntal; Sarkar, Sandip; et al.

SIGNAL PROCESSING Volume: 86 Issue: 12 Pages: 3923-3933 Published: DEC 2006

3,558. Microstructural anisotropy at the ion-induced rippled amorphous-crystalline interface of silicon

By: Grigorian, S.; Pietsch, U.; Grenzer, J.; et al.

APPLIED PHYSICS LETTERS Volume: 89 Issue: 23 Article Number: 231915 Published: DEC 4 2006

3,559. Nitrogen-mediated interaction in polyacrylamide-silver nanocomposites

By: Mukherjee, S.; Mukherjee, M.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 18 Issue: 49 Pages: 11233-11242 Published: DEC 13 2006

3,560. Morphology and structure of gold-lithium niobate thin film: A laboratory source X-ray scattering study

By: Hazra, S.

APPLIED SURFACE SCIENCE Volume: 253 Issue: 4 Pages: 2154-2157 Published: DEC 15 2006

3,561. Generic weak isolated horizons

By: Chatterjee, Ayan; Ghosh, Amit

CLASSICAL AND QUANTUM GRAVITY Volume: 23 Issue: 24 Pages: 7521-7529 Published: DEC 21 2006

3,562. pH-dependent self-assembly of polyalanine peptides

By: Giri, Kalyan; Bhattacharyya, Nitai P.; Basak, Soumen

BIOPHYSICAL JOURNAL Volume: 92 Issue: 1 Pages: 293-302 Published: JAN 2007

3,563. Reversible buckling in monolayer of gold nanoparticles on water surface

By: Bera, M. K.; Sanyal, M. K.; Pal, S.; et al.

EPL Volume: 78 Issue: 5 Article Number: 56003 Published: 2007

- 3,564. Low-temperature magnetotransport properties in granular ferromagnetic manganites  
By: Mukhopadhyay, Soumik; Das, I.  
EPL Volume: 79 Issue: 6 Article Number: 67002 Published: 2007
- 3,565. Non-perturbative renormalization group approach to zero-temperature Bose systems  
By: Dupuis, N.; Sengupta, K.  
EPL Volume: 80 Issue: 5 Article Number: 50007 Published: 2007
- 3,566. PDF and scale uncertainties of various DY distributions in ADD and RS models at hadron colliders  
By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.  
EUROPEAN PHYSICAL JOURNAL C Volume: 49 Issue: 2 Pages: 599-611 Published: JAN 2007
- 3,567. Studies on multielemental uptake of amide incorporated Amberlite IRC-50 using tracer packet techniques  
By: Maji, Samir; Basu, Sukalyan; Lahiri, Susanta  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 46 Issue: 1 Pages: 97-100 Published: JAN 2007
- 3,568. Intersecting non-SUSY p-brane with chargeless 0-brane as black p-brane  
By: Bai, Hua; Lu, Jianxin; Roy, Shibaji  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 094 Published: JAN 2007
- 3,569. Remarks on the formulation of quantum mechanics on noncommutative phase spaces  
By: Muthukumar, Balasundaram  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 073 Published: JAN 2007
- 3,570. Association of antitumor antibiotics, mithramycin and chromomycin, with Zn(II)  
By: Devi, Pukhrambam Grihanjali; Pal, Sudipta; Banerjee, Raja; et al.  
JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 101 Issue: 1 Pages: 127-137 Published: JAN 2007
- 3,571. Power law scaling in universal extra dimension scenarios  
By: Bhattacharyya, Gautam; Datta, Anindya; Majee, Swarup Kumar; et al.  
NUCLEAR PHYSICS B Volume: 760 Issue: 1-2 Pages: 117-127 Published: JAN 1 2007
- 3,572. A distributed hierarchical genetic algorithm for efficient optimization and pattern matching  
By: Garai, Gautam; Chaudhuri, B. B.  
PATTERN RECOGNITION Volume: 40 Issue: 1 Pages: 212-228 Published: JAN 2007
- 3,573. Quantum transport through a molecule coupled with a mesoscopic ring  
By: Maiti, Santanu K.  
PHYSICA SCRIPTA Volume: 75 Issue: 1 Pages: 62-65 Published: JAN 2007

- 3,574. Unconventional relaxation in antiferromagnetic CoRh<sub>2</sub>O<sub>4</sub> nanoparticles  
By: Bhowmik, R. N.; Ranganathan, R.  
PHYSICAL REVIEW B Volume: 75 Issue: 1 Article Number: 012410 Published: JAN 2007
- 3,575. Phase transition and phase diagram at a general filling in the spinless one-dimensional Holstein model  
By: Datta, Sanjoy; Yarlagadda, Sudhakar  
PHYSICAL REVIEW B Volume: 75 Issue: 3 Article Number: 035124 Published: JAN 2007
- 3,576. Hadron optics in three-dimensional invariant coordinate space from deeply virtual Compton scattering  
By: Brodsky, S. J.; Chakrabarti, D.; Harindranath, A.; et al.  
PHYSICAL REVIEW D Volume: 75 Issue: 1 Article Number: 014003 Published: JAN 2007
- 3,577. Hard thermal effective actions in the Schwinger formulation  
By: Das, Ashok; Frenkel, J.  
PHYSICAL REVIEW D Volume: 75 Issue: 2 Article Number: 025021 Published: JAN 2007
- 3,578. Thick target neutron dose evaluation for F-19+Al system  
By: Sunil, C.; Maiti, M.; Nandy, M.; et al.  
RADIATION PROTECTION DOSIMETRY Volume: 123 Issue: 3 Pages: 277-282 Published: 2007
- 3,579. Production of no-carrier-added I-123 via heavy-ion activation of natural antimony oxide  
By: Maji, S.; Lahiri, S.  
RADIOCHIMICA ACTA Volume: 95 Issue: 3 Pages: 133-136 Published: 2007
- 3,580. Studies on the interaction of poly(N-vinylpyrrolidone) with no-carrier-added Cu-61, Zn-62, Ga-66, Ge-69 and As-71 using tracer packet technique  
By: Sarkar, S.; Nayak, D.; Lahiri, S.  
RADIOCHIMICA ACTA Volume: 95 Issue: 8 Pages: 467-470 Published: 2007
- 3,581. She decays near the magic island  
By: Samanta, C.  
ROMANIAN REPORTS IN PHYSICS Volume: 59 Issue: 2 Pages: 667-674 Published: 2007
- 3,582. Solar arcades as possible minimum dissipative relaxed states  
By: Bhattacharyya, R.; Janaki, M. S.; Dasgupta, B.; et al.  
SOLAR PHYSICS Volume: 240 Issue: 1 Pages: 63-76 Published: JAN 2007
- 3,583. On the Applications of a New Technique to Solve Linear Differential Equations, with and without Source  
By: Gurappa, N.; Jha, Pankaj K.; Panigrahi, Prasanta K.  
SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS Volume: 3 Article Number: 057 Published: 2007

- 3,584. q-Boson in Quantum Integrable Systems  
By: Kundu, Anjan  
SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS Volume: 3 Article  
Number: 040 Published: 2007
- 3,585. Quantum transport through organic molecules  
By: Maiti, Santanu K.  
CHEMICAL PHYSICS Volume: 331 Issue: 2-3 Pages: 254-260 Published: JAN 8 2007
- 3,586. Copper(II) complexes of tridentate selenobisphenolate ligand in mixed ligand environments:  
Synthesis, crystal structure, EPR and electrochemical studies  
By: Mijanuddin, Md.; Ray, Ambarish; Mondal, Parikshit Chandra; et al.  
JOURNAL OF MOLECULAR STRUCTURE Volume: 826 Issue: 1 Pages: 17-23 Published: JAN 15 2007
- 3,587. High spin structure of Cl-35 and the sd-fp shell gap  
By: Kshetri, Ritesh; Sarkar, M. Saha; Ray, Indrani; et al.  
NUCLEAR PHYSICS A Volume: 781 Issue: 3-4 Pages: 277-295 Published: JAN 15 2007
- 3,588. Realization of SOC behavior in a dc glow discharge plasma  
By: Nuruijaman, Md.; Iyengar, A. N. Sekar  
PHYSICS LETTERS A Volume: 360 Issue: 6 Pages: 717-721 Published: JAN 15 2007
- 3,589. Magnetic response in 1D non-interacting mesoscopic rings: Long-range hopping in shortest path  
By: Maiti, Santanu K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 21 Issue: 2 Pages: 179-190 Published:  
JAN 20 2007
- 3,590. Structure of cyclophilin from Leishmania donovani at 1.97 angstrom resolution  
By: Venugopal, V.; Sen, Banibrata; Datta, Alok K.; et al.  
ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION  
COMMUNICATIONS Volume: 63 Pages: 60-64 Part: 2 Published: FEB 2007
- 3,591. Compensatory secondary structure alterations in protein glycation  
By: GhoshMoulick, Ranjita; Bhattacharya, Jaydeep; Roy, Shibsekhar; et al.  
BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1774 Issue: 2 Pages: 233-  
242 Published: FEB 2007
- 3,592. Interaction of piroxicam and meloxicam with DMPG/DMPC mixed vesicles: Anomalous  
partitioning behavior  
By: Chakraborty, HIRAK; Sarkar, Munna  
BIOPHYSICAL CHEMISTRY Volume: 125 Issue: 2-3 Pages: 306-313 Published: FEB 2007
- 3,593. Pion propagation in real time field theory at finite temperature  
By: Mallik, S.; Sarkar, Sourav  
EUROPEAN PHYSICAL JOURNAL C Volume: 49 Issue: 3 Pages: 755-766 Published: FEB 2007

- 3,594. Quantization and conformal properties of a generalized Calogero model  
By: Meljanac, S.; Samsarov, A.; Basu-Mallick, B.; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 49 Issue: 3 Pages: 875-889 Published: FEB 2007
- 3,595. Behavior of hafnium fluoride octahedral complex in HF at low temperature studied by TDPAC  
By: Dey, C. C.  
HYPERFINE INTERACTIONS Volume: 175 Issue: 1-3 Pages: 185-193 Published: FEB 2007
- 3,596. Ternary reactions in Au-197+Au-197 collisions revisited  
By: Skwira-Chalot, I.; Siwek-Wilczyńska, K.; Wilczynski, J.; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 16 Issue: 2 Pages: 511-515 Published: FEB 2007
- 3,597. Electrical conductivity of cellular Si/SiC ceramic composites prepared from plant precursors  
By: Mallick, Debopriyo; Chakrabarti, Omprakash; Bhattacharya, Dipten; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 3 Article Number: 033707 Published: FEB 1 2007
- 3,598. Controlled surface neutralization: A quantitative approach to study surface charging in photoemission  
By: Mukherjee, S.; Mukherjee, M.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 154 Issue: 3 Pages: 90-95 Published: FEB 2007
- 3,599. Application of tracer packet technique for studying metal-protein interactions with *Erythrina variegata* Linn. seed proteins  
By: Nayak, D.; DattaSamanta, T.; Laskar, S.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 271 Issue: 2 Pages: 387-390 Published: FEB 2007
- 3,600. Application of tracer packet technique for multielemental uptake studies by ceric vanadate  
By: Maji, S.; Basu, S.; Ramaswami, A.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 271 Issue: 2 Pages: 391-396 Published: FEB 2007
- 3,601. Electron transport through mesoscopic ring  
By: Maiti, Santanu K.  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 36 Issue: 2 Pages: 199-204 Published: FEB 2007
- 3,602. Angular distribution of Au and U L x rays induced by 22.6-keV photons  
By: Santra, S.; Mitra, D.; Sarkar, M.; et al.  
PHYSICAL REVIEW A Volume: 75 Issue: 2 Article Number: 022901 Published: FEB 2007

3,603. Smooth crossover from variable-range hopping with Coulomb gap to nearest-neighbor interchain hopping in conducting polymers

By: Maji, Sanjib; Mukhopadhyay, Soumik; Gangopadhyay, R.; et al.

PHYSICAL REVIEW B Volume: 75 Issue: 7 Article Number: 073202 Published: FEB 2007

3,604. Accelerator driven systems from the radiological safety point of view

By: Sarkar, P. K.; Nandy, Maitreyee

PRAMANA-JOURNAL OF PHYSICS Volume: 68 Issue: 2 Pages: 225-233 Published: FEB 2007

3,605. Positronium interactions in liquids and porous substances

By: Ganguly, Bichitra; Gangopadhyay, Debarshi; Dutta, Dhanadeep; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 76 Issue: 2 Pages: 263-270 Published: FEB 2007

3,606. Enhancement of surface magnetization in antiferromagnetic nanoparticles

By: Bhowmik, R. N.; Ranganathan, R.

SOLID STATE COMMUNICATIONS Volume: 141 Issue: 7 Pages: 365-368 Published: FEB 2007

3,607. Interaction of HIPPI with putative promoter sequence of caspase-1 in vitro and in vivo

By: Majumder, P.; Chattopadhyay, B.; Sukanya, S.; et al.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 353 Issue: 1 Pages: 80-85  
Published: FEB 2 2007

3,608. Inhibition of telomerase activity by reduction of poly(ADP-ribosyl)ation of TERT and TEP1/TP1 expression in HeLa cells with knocked down poly(ADP-ribose) polymerase-1 (PARP-1) gene

By: Ghosh, Utpal; Das, Nilanjana; Bhattacharyya, Nitai P.

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS Volume:  
615 Issue: 1-2 Pages: 66-74 Published: FEB 3 2007

3,609. Magnetic field effect on photoinduced electron transfer between dibenzo[a,c]phenazine and different amines in acetonitrile-water mixture

By: Dey, Debarati; Bose, Adity; Chakraborty, Manas; et al.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 111 Issue: 5 Pages: 878-884 Published: FEB 8 2007

3,610. Magnetic interactions in layered nickel alkanethiolates

By: John, Neena Susan; Kulkarni, G. U.; Datta, Ayan; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 111 Issue: 5 Pages: 1868-1870 Published: FEB 8  
2007

3,611. Comment on "Can gravity distinguish between Dirac and Majorana neutrinos?"

By: Nieves, Jose F.; Pal, Palash B.

PHYSICAL REVIEW LETTERS Volume: 98 Issue: 6 Article Number: 069001 Published: FEB 9 2007

3,612. Instability in scalar channel of fermion-antifermion scattering amplitude in massless QED(3) and anomalous dimensions of composite operators

By: Mitra, Indrajit; Ratabole, Raghunath; Sharatchandra, H. S.

MODERN PHYSICS LETTERS A Volume: 22 Issue: 4 Pages: 297-306 Published: FEB 10 2007

3,613. Non-SUSY p-branes, bubbles and tubular branes

By: Lu, J. X.; Roy, Shibaji

NUCLEAR PHYSICS B Volume: 763 Issue: 1-2 Pages: 170-182 Published: FEB 12 2007

3,614. Effect of solvent-polymer interaction in swelling dynamics of ultrathin polyacrylamide films: A neutron and X-ray reflectivity study

By: Mukherjee, M.; Singh, Amarjeet; Dailant, J.; et al.

MACROMOLECULES Volume: 40 Issue: 4 Pages: 1073-1080 Published: FEB 20 2007

3,615. Duality and phase diagram of one-dimensional transport

By: Bhattacharjee, Somendra M.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 40 Issue: 8 Pages: 1703-1710  
Published: FEB 23 2007

3,616. Structure-dependent switchover of reaction modes: A laser flash photolysis and magnetic field effect study

By: Bose, Adity; Dey, Debarati; Basu, Samita

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 186 Issue: 2-3 Pages: 130-134  
Published: FEB 25 2007

3,617. Quantum transport through a quantum wire coupled with a quantum ring: Effects of in-plane electric field

By: Maiti, Santanu K.

PHYSICS LETTERS A Volume: 362 Issue: 2-3 Pages: 225-228 Published: FEB 26 2007

3,618. Crystal-field calculation of Pr<sup>3+</sup> in orthorhombic PrNi<sub>2</sub>Al<sub>5</sub> from Al-27 NMR Knight shift

By: Sarkar, R.; Ghoshray, A.; Ghoshray, K.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 19 Issue: 8 Article Number: 086202  
Published: FEB 28 2007

3,619. Studies on Ga-66, Ga-67- and Tl-199-poly(N-vinylpyrrolidone) complexes

By: Lahiri, Susanta; Sarkar, Soumi

APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 3 Pages: 309-312 Published: MAR 2007

3,620. A new method of synthesis of iron doped calcium alginate beads and determination of iron content by radiometric method

By: Banerjee, Anupam; Nayak, Dalia; Lahiri, Susanta

BIOCHEMICAL ENGINEERING JOURNAL Volume: 33 Issue: 3 Pages: 260-262 Published: MAR 2007

3,621. RETRACTED: Activation of p38MAPK by repetitive low-grade oxidative stress leads to pro-survival effects (Retracted Article. See vol 1783, pg 345, 2008)

By: Sen, Prosenjit; Chakraborty, Prabir Kumar; Raha, Sanghamitra

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1773 Issue: 3 Pages: 367-374 Published: MAR 2007

3,622. Magnetic linear dichroism studies of in situ grown NiO thin films

By: Krishnakumar, S. R.; Liberati, M.; Grazioli, C.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 310 Issue: 1 Pages: 8-12

Published: MAR 2007

3,623. Al-27 NMR studies in grain-aligned PrNi<sub>2</sub>Al<sub>5</sub>

By: Ghoshray, A.; Sarkar, R.; Pahari, B.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 310 Issue: 2 Pages: 371-373 Part:

1 Published: MAR 2007

3,624. Polypyrrole-Fe<sub>2</sub>O<sub>3</sub> nanohybrid materials for electrochemical storage

By: Mallouki, M.; Tran-Van, F.; Sarrazin, C.; et al.

JOURNAL OF SOLID STATE ELECTROCHEMISTRY Volume: 11 Issue: 3 Pages: 398-406 Published:

MAR 2007

3,625. Curcumin-induced apoptosis in human leukemia cell HL-60 is associated with inhibition of telomerase activity

By: Mukherjee, Sutapa (nee Chakraborty); Ghosh, Utpal; Bhattacharyya, N. P.; et al.

MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 297 Issue: 1-2 Pages: 31-39 Published: MAR

2007

3,626. Interface alloying due to Kr-irradiation on Ni/Si system

By: Datta, D.; Bhattacharyya, S. R.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH

MATERIALS AND ATOMS Volume: 256 Issue: 1 Pages: 248-252 Published: MAR 2007

3,627. Novel structure and swelling dynamics of nanocomposite ultrathin films

By: Mukherjee, M.; Singh, A.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 244 Issue: 3 Special Issue: SI

Pages: 928-942 Published: MAR 2007

3,628. Beta decay rates of nuclei with  $65 < A < 75$  for pre-supernova and supernova evolution

By: Majumdar, Debasish; Kar, Kamales

PRAMANA-JOURNAL OF PHYSICS Volume: 68 Issue: 3 Pages: 423-433 Published: MAR 2007

3,629. Randomly forced DNA

By: Kapri, Rajeev; Bhattacharjee, Somendra M.

PHYSICAL REVIEW LETTERS Volume: 98 Issue: 9 Article Number: 098101 Published: MAR 2 2007

3,630. Collisional energy loss and the suppression of high (PT) hadrons

By: Alam, Jan-e; Dutt-Mazumder, Abhee K.; Roy, Pradip

NUCLEAR PHYSICS A Volume: 785 Issue: 1-2 Pages: 245C-248C Published: MAR 15 2007



- 3,631. Noncommutative BTZ black hole and discrete time  
By: Dolan, B. P.; Gupta, Kumar S.; Stern, A.  
CLASSICAL AND QUANTUM GRAVITY Volume: 24 Issue: 6 Pages: 1647-1655 Published: MAR 21 2007
- 3,632. Black holes, holography and moduli space metric  
By: Gupta, Kumar S.; Sen, Siddhartha  
PHYSICS LETTERS B Volume: 646 Issue: 5-6 Pages: 265-267 Published: MAR 22 2007
- 3,633. Synthesis, crystal structure, electrochemical and kinetic studies on a cyano-bridged Cu-II-Ni-II-Cu-II hetero-trinuclear complex  
By: Ray, Ambarish; Dutta, Daipayan; Mondal, Parikshit Chandra; et al.  
POLYHEDRON Volume: 26 Issue: 5 Pages: 1012-1022 Published: MAR 25 2007
- 3,634. The quantum oscillator on complex projective space (Lobachewski space) in a constant magnetic field and the issue of generic boundary conditions  
By: Giri, Pulak Ranjan  
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 40 Issue: 13 Pages: 3539-3547 Published: MAR 30 2007
- 3,635. Dynamics of "binary" Au-197+(197) Au collisions as a test of energy dissipation mechanism  
By: Skwira-Chalot, I.; Siwek-Wilczynska, K.; Wilczynski, J.; et al.  
ACTA PHYSICA POLONICA B Volume: 38 Issue: 4 Pages: 1509-1514 Published: APR 2007
- 3,636. Separation of iron and cobalt using Fe-59 and Co-60 by dialysis of polyvinylpyrrolidone-metal complexes: A greener approach  
By: Lahiri, Susanta; Sarkar, Soumi  
APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 4 Pages: 387-391 Published: APR 2007
- 3,637. Exotic bulk viscosity and its influence on neutron star r-modes  
By: Chatterjee, Debarati; Bandyopadhyay, Debades  
ASTROPHYSICS AND SPACE SCIENCE Volume: 308 Issue: 1-4 Pages: 451-455 Published: APR 2007
- 3,638. First observation of medium-spin excitations in the Cs-138 nucleus  
By: Rzaca-Urban, T.; Urban, W.; Sarkar, M. Saha; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 32 Issue: 1 Pages: 5-9 Published: APR 2007
- 3,639. Qcd phase transition - The Mini Bang and the Big Bang  
By: Sinha, Bikash  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 16 Issue: 3 Pages: 829-840 Published: APR 2007
- 3,640. Quantum chemical investigation of linear hydrogen bonding in ONCCN center dot center dot center dot HX (X = F, Cl, Br) dimers

By: Varadwaj, Pradeep R.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 107 Issue: 5 Pages: 1194-1204  
Published: APR 2007

3,641. Positron lifetime studies and coincidence Doppler broadening spectroscopy of Al-6Mg-xSc (x=0 to 0.6 wt.%) alloy

By: Kaiser, M. S.; Nambissan, P. M. G.; Banerjee, M. K.; et al.

JOURNAL OF MATERIALS SCIENCE Volume: 42 Issue: 8 Pages: 2618-2629 Published: APR 2007

3,642. A comparative study of the magnetic properties and phase separation behavior of the rare earth cobaltates, Ln(0.5)Sr(0.5)CoO(3) (Ln = rare earth)

By: Kundu, Asish; Sarkar, R.; Pahari, B.; et al.

JOURNAL OF SOLID STATE CHEMISTRY Volume: 180 Issue: 4 Pages: 1318-1324 Published: APR 2007

3,643. Electron transport through molecular chains

By: Maiti, Santanu K.

NANO Volume: 2 Issue: 2 Pages: 103-108 Published: APR 2007

3,644. Modification of edge current profile and improved confinement induced by biased electrode in the very low q(a) (VLQ) discharges of SINP-tokamak

By: Ghosh, Joydeep; Pal, Rabindranath; Chattopadhyay, P. K.; et al.

NUCLEAR FUSION Volume: 47 Issue: 4 Pages: 331-336 Published: APR 2007

3,645. alpha decay chains from element 113

By: Chowdhury, P. Roy; Basu, D. N.; Samanta, C.

PHYSICAL REVIEW C Volume: 75 Issue: 4 Article Number: 047306 Published: APR 2007

3,646. Constraining CP violation in a softly broken A(4) symmetric model

By: Adhikary, Biswajit; Ghosal, Ambar

PHYSICAL REVIEW D Volume: 75 Issue: 7 Article Number: 073020 Published: APR 2007

3,647. Chemical composition and bond structure of carbon-nitride films deposited by CH<sub>4</sub>/N<sub>2</sub> dielectric barrier discharge

By: Majumdar, Abhijit; Schaefer, Jan; Mishra, Puneet; et al.

SURFACE & COATINGS TECHNOLOGY Volume: 201 Issue: 14 Pages: 6437-6444 Published: APR 2007

3,648. Generalized Hawking-Page phase transition

By: Majumdar, Parthasarathi

CLASSICAL AND QUANTUM GRAVITY Volume: 24 Issue: 7 Pages: 1747-1753 Published: APR 7 2007

3,649. Imaging distribution of local stiffness over surfaces using atomic force acoustic microscopy

By: Banerjee, S.; Gayathri, N.; Shannigrahi, S. R.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 40 Issue: 8 Pages: 2539-2547 Published: APR 21 2007

3,650. Sub-barrier Coulomb excitation of Sn-110 and its implications for the Sn-100 shell closure  
By: Cederkaell, J.; Ekstrom, A.; Fahlander, C.; et al.

PHYSICAL REVIEW LETTERS Volume: 98 Issue: 17 Article Number: 172501 Published: APR 27 2007

3,651. Asymptotic quasinormal modes of a noncommutative geometry inspired Schwarzschild black hole

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 22 Issue: 11 Pages: 2047-2056

Published: APR 30 2007

3,652. EDXRF analysis of municipal solid waste using Cd-109 source

By: Gupta, D.; Chatterjee, J. M.; Ghosh, R.; et al.

APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 5 Pages: 512-516 Published: MAY 2007

3,653. Interaction of piroxicam with mitochondrial membrane and cytochrome c

By: Chakraborty, Hirak; Chakraborty, Prabir K.; Raha, Sanghamitra; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1768 Issue: 5 Pages: 1138-1146

Published: MAY 2007

3,654. Nucleon propagation through nuclear matter in chiral effective field theory

By: Mallik, S.; Mishra, H.

EUROPEAN PHYSICAL JOURNAL C Volume: 50 Issue: 4 Pages: 889-896 Published: MAY 2007

3,655. Studies of bosons in optical lattices in a harmonic potential

By: Ramakumar, R.; Das, A. N.; Sil, S.

EUROPEAN PHYSICAL JOURNAL D Volume: 42 Issue: 2 Pages: 309-316 Published: MAY 2007

3,656. Quasinormal modes for tensor and vector type perturbation of Gauss Bonnet black hole using third order WKB approach

By: Chakrabarti, Sayan K.

GENERAL RELATIVITY AND GRAVITATION Volume: 39 Issue: 5 Pages: 567-582 Published: MAY 2007

3,657. Does phenazine form triplet excimer and dimer anion radical?

By: Choudhury, Sharmistha Dutta; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 124 Issue: 1 Pages: 33-38 Published: MAY 2007

3,658. Thermal radiation from Au plus Au collisions at root sNN=200 GeV energy

By: Alam, Jan-e; Nayak, Jajati K.; Roy, Pradip; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 34 Issue: 5 Pages: 871-882

Published: MAY 2007

3,659. Deregulation and cross talk among Sonic hedgehog, Wnt, Hox and Notch signaling in chronic myeloid leukemia progression

By: Sengupta, A.; Banerjee, D.; Chandra, S.; et al.

LEUKEMIA Volume: 21 Issue: 5 Pages: 949-955 Published: MAY 2007

3,660. Effect of polymer confinement: Tuning self-assembled growth of monodisperse Au nanoparticles on polystyrene films

By: Chattopadhyay, Sudeshna; Datta, Alokmay

MACROMOLECULES Volume: 40 Issue: 9 Pages: 3313-3319 Published: MAY 1 2007

3,661. Secondary ion mass spectrometry of  $MCs_n^+$  molecular ion complexes

By: Saha, Biswajit; Chakraborty, Purushottam

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 258 Issue: 1 Pages: 218-225 Published: MAY 2007

3,662. On the formation mechanism of  $MCs_2^+$  molecular ions under varying oxygen environment

By: Saha, Biswajit; Chakraborty, Purushottam

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 258 Issue: 1 Pages: 246-249 Published: MAY 2007

3,663. Effect of localizing groups on quantum transport through single conjugated molecules

By: Maiti, Santanu K.

PHYSICA B-CONDENSED MATTER Volume: 394 Issue: 1 Pages: 33-38 Published: MAY 1 2007

3,664. Interfacial role in room-temperature diffusion of Au into Si substrates

By: Bal, J. K.; Hazra, S.

PHYSICAL REVIEW B Volume: 75 Issue: 20 Article Number: 205411 Published: MAY 2007

3,665. Dynamical multi-breakup processes in the Sn-124+Ni-64 system at 35 MeV/nucleon

By: Papa, M.; Amorini, F.; Anzalone, A.; et al.

PHYSICAL REVIEW C Volume: 75 Issue: 5 Article Number: 054616 Published: MAY 2007

3,666. First observation of excited states in the I-138 nucleus

By: Rzaca-Urban, T.; Pagowska, K.; Urban, W.; et al.

PHYSICAL REVIEW C Volume: 75 Issue: 5 Article Number: 054319 Published: MAY 2007

3,667. Density reorganization in hot nuclei

By: Samaddar, S. K.; De, J. N.; Vinas, X.; et al.

PHYSICAL REVIEW C Volume: 75 Issue: 5 Article Number: 054608 Published: MAY 2007

3,668. eta-meson production in nucleon-nucleon collisions within an effective Lagrangian model

By: Shyam, R.

PHYSICAL REVIEW C Volume: 75 Issue: 5 Article Number: 055201 Published: MAY 2007

3,669. Thermodynamics of the Polyakov-Nambu-Jona-Lasinio model with nonzero baryon and isospin chemical potentials

By: Mukherjee, Swagato; Mustafa, Munshi G.; Ray, Rajarshi

PHYSICAL REVIEW D Volume: 75 Issue: 9 Article Number: 094015 Published: MAY 2007

3,670. Tuning of electron transport through a moebius strip: Shot noise

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 142 Issue: 7 Pages: 398-403 Published: MAY 2007

3,671. Molecular and functional characterization of EhPAK3, a p21 activated kinase from Entamoeba histolytica

By: Dutta, S.; Sen, P.; Raha, S.

TROPICAL MEDICINE & INTERNATIONAL HEALTH Volume: 12 Supplement: 1 Pages: 28-28

Published: MAY 2007

3,672. Survival and death of Entamoeba histolytica under conditions of stress

By: Sardar, A.; Dutta, S.; Ray, D.; et al.

TROPICAL MEDICINE & INTERNATIONAL HEALTH Volume: 12 Supplement: 1 Pages: 30-30

Published: MAY 2007

3,673. Hawking temperature from tunnelling formalism

By: Mitra, P.

PHYSICS LETTERS B Volume: 648 Issue: 2-3 Pages: 240-242 Published: MAY 3 2007

3,674. Structural and magnetic studies on spark plasma sintered  $\text{SMCo}_5/\text{Fe}$  bulk nanocomposite magnets

By: Rao, N. V. Rama; Gopalan, R.; Raja, M. Manivel; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 312 Issue: 2 Pages: 252-257

Published: MAY 11 2007

3,675. Economic inequality: Is it natural?

By: Chatterjee, Arnab; Sinha, Sitabhra; Chakrabarti, Bikas K.

CURRENT SCIENCE Volume: 92 Issue: 10 Pages: 1383-1389 Published: MAY 25 2007

3,676. Impurity induced antiferromagnetic order in Haldane gap compound  $\text{SrNi}_2\text{-xMg}_x\text{V}_2\text{O}_8$

By: Pahari, B.; Ghoshray, K.; Ghoshray, A.; et al.

PHYSICA B-CONDENSED MATTER Volume: 395 Issue: 1-2 Pages: 138-142 Published: MAY 31 2007

3,677. Light charged particle emission from neutron and alpha-induced reactions

By: Maiti, Moumita; Nandy, Maitreyee; Roy, S. N.; et al.

APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 6 Pages: 656-662 Published: JUN 2007

3,678. 3-Branes on Eguchi-Hanson 6D instantons

By: Singh, Harvendra

GENERAL RELATIVITY AND GRAVITATION Volume: 39 Issue: 6 Pages: 839-848 Published: JUN 2007

- 3,679. Interaction of flavonoids with red blood cell membrane lipids and proteins: Antioxidant and antihemolytic effects  
By: Chaudhuri, Sudip; Banerjee, Anwasha; Basu, Kaushik; et al.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 41 Issue: 1 Pages: 42-48  
Published: JUN 1 2007
- 3,680. AICD and its adaptors - In search of new players  
By: Raychaudhuri, Mithu; Mukhopadhyay, Debashis  
JOURNAL OF ALZHEIMERS DISEASE Volume: 11 Issue: 3 Pages: 343-358 Published: JUN 2007
- 3,681. Correlation between structural, transport, and magnetic properties in  $\text{Sm}(1-x)\text{A}(x)\text{MnO}(3)$  (A=Sr,Ca)  
By: Hassen, A.; Mandal, P.  
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 11 Article Number: 113917 Published: JUN 1 2007
- 3,682. Role of ceramic matrix and Au fraction on the morphology and optical properties of cosputtered Au-ceramic thin films  
By: Hazra, S.; Gibaud, A.; Sella, C.  
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 11 Article Number: 113532 Published: JUN 1 2007
- 3,683. Thermal evolution of boron irradiation induced defects in predoped Si revealed by positron annihilation experiments  
By: Nambissan, P. M. G.; Bhagwat, P. V.; Kurup, M. B.  
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 11 Article Number: 113526 Published: JUN 1 2007
- 3,684. Study of intruder band in Sn-112  
By: Ganguly, S.; Banerjee, P.; Ray, I.; et al.  
NUCLEAR PHYSICS A Volume: 789 Pages: 1-14 Published: JUN 1 2007
- 3,685. Predictions of alpha decay half lives of heavy and superheavy elements  
By: Samanta, C.; Chowdhury, P. Roy; Basu, D. N.  
NUCLEAR PHYSICS A Volume: 789 Pages: 142-154 Published: JUN 1 2007
- 3,686. Bose-Fermi mixtures in an optical lattice  
By: Sengupta, K.; Dupuis, N.; Majumdar, P.  
PHYSICAL REVIEW A Volume: 75 Issue: 6 Article Number: 063625 Published: JUN 2007
- 3,687. Ground-state phase diagram and magnetoconductance of a one-dimensional Hubbard superlattice at half filling  
By: Chowdhury, Jayeeta; Karmakar, S. N.; Bhattacharyya, Bibhas  
PHYSICAL REVIEW B Volume: 75 Issue: 23 Article Number: 235117 Published: JUN 2007

- 3,688. Ferromagnetism in zinc sulfide nanocrystals: Dependence on manganese concentration  
By: Sarkar, I.; Sanyal, M. K.; Kar, S.; et al.  
PHYSICAL REVIEW B Volume: 75 Issue: 22 Article Number: 224409 Published: JUN 2007
- 3,689. Energy gain of heavy quarks by fluctuations in a quark-gluon plasma  
By: Chakraborty, Purnendu; Mustafa, Munshi Golam; Thoma, Markus H.  
PHYSICAL REVIEW C Volume: 75 Issue: 6 Article Number: 064908 Published: JUN 2007
- 3,690. Bulk viscosity in kaon condensed matter  
By: Chatterjee, Debarati; Bandyopadhyay, Debades  
PHYSICAL REVIEW D Volume: 75 Issue: 12 Article Number: 123006 Published: JUN 2007
- 3,691. Probing deviations from tribimaximal mixing through ultrahigh energy neutrino signals  
By: Majumdar, Debasish; Ghosal, Ambar  
PHYSICAL REVIEW D Volume: 75 Issue: 11 Article Number: 113004 Published: JUN 2007
- 3,692. Nonlinear electrostatic structures in the presence of correlations  
By: Bose, Anirban; Janaki, M. S.  
PHYSICS OF PLASMAS Volume: 14 Issue: 6 Article Number: 063701 Published: JUN 2007
- 3,693. Hemoglobin depletion from red blood cell cytosol reveals new proteins in 2-D gel-based proteomics study  
By: Bhattacharya, Dipankar; Mukhopadhyay, Debashis; Chakrabarti, Abhijit  
PROTEOMICS CLINICAL APPLICATIONS Volume: 1 Issue: 6 Pages: 561-564 Published: JUN 2007
- 3,694. Yang-Baxter algebra and generation of quantum integrable models  
By: Kundu, A.  
THEORETICAL AND MATHEMATICAL PHYSICS Volume: 151 Issue: 3 Pages: 831-842 Published: JUN 2007
- 3,695. Substitution-induced structural transformation in Mn-doped ZnS nanorods studied by positron annihilation spectroscopy  
By: Kar, Soumitra; Biswas, Subhajit; Chaudhuri, Subhadra; et al.  
NANOTECHNOLOGY Volume: 18 Issue: 22 Article Number: 225606 Published: JUN 6 2007
- 3,696. Structural, magnetic, and transport properties of nanoparticles of the manganite  $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$   
By: Sarkar, Tapati; Mukhopadhyay, P. K.; Raychaudhuri, A. K.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 12 Article Number: 124307 Published: JUN 15 2007
- 3,697. Binary beryllium-tungsten mixed materials  
By: Linsmeier, Ch.; Ertl, K.; Roth, J.; et al.  
JOURNAL OF NUCLEAR MATERIALS Volume: 363 Pages: 1129-1137 Published: JUN 15 2007

3,698. Quantum transport through polycyclic hydrocarbon molecules

By: Maiti, Santanu K.

PHYSICS LETTERS A Volume: 366 Issue: 1-2 Pages: 114-119 Published: JUN 18 2007

3,699. Estimation of angular distribution of neutron dose using time-of-flight for F-19 + Al system at 110 MeV

By: Nandy, Maitreyee; Sunil, C.; Maiti, Moumita; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 576 Issue: 2-3 Pages: 380-388 Published: JUN 21 2007

3,700. pH-induced structural transitions of caseins

By: Chakraborty, Asima; Basak, Soumen

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 87 Issue: 3 Pages: 191-199 Published: JUN 26 2007

3,701. Complex fermion mass term, regularization and CP violation

By: Mitra, P.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 40 Issue: 26 Pages: F525-F529 Published: JUN 29 2007

3,702. Speciation-dependent studies on removal of arsenic by iron-doped calcium alginate beads

By: Banerjee, Anupam; Nayak, Dalia; Lahiri, Susanta

APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 7 Pages: 769-775 Published: JUL 2007

3,703. Energy diffusion in hard-point systems

By: Delfini, L.; Denisov, S.; Lepri, S.; et al.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 146 Pages: 21-35 Published: JUL 2007

3,704. Driven diffusive systems of active filament bundles

By: Mohanty, P. K.; Kruse, K.

JOURNAL OF STATISTICAL PHYSICS Volume: 128 Issue: 1-2 Pages: 95-110 Published: JUL 2007

3,705. Dipole binding in a cosmic string background due to quantum anomalies

By: Giri, Pulak Ranjan

PHYSICAL REVIEW A Volume: 76 Issue: 1 Article Number: 012114 Published: JUL 2007

3,706. Mott phases and superfluid-insulator transition of dipolar spin-three bosons in an optical lattice: Implications for Cr-52 atoms

By: Bernier, Jean-Sebastien; Sengupta, K.; Kim, Yong Baek

PHYSICAL REVIEW B Volume: 76 Issue: 1 Article Number: 014502 Published: JUL 2007

3,707. Observation of charge density wave characteristics in conducting polymer nanowires: Possibility of Wigner crystallization

By: Rahman, Atikur; Sanyal, Milan K.



PHYSICAL REVIEW B Volume: 76 Issue: 4 Article Number: 045110 Published: JUL 2007

3,708. Hard thermal effective action in QCD through the thermal operator

By: Das, Ashok; Frenkel, J.

PHYSICAL REVIEW D Volume: 76 Issue: 2 Article Number: 025009 Published: JUL 2007

3,709. Criterion for dynamical chiral symmetry breaking

By: Jain, Bithika; Mitra, Indrajit; Sharatchandra, H. S.

PHYSICAL REVIEW D Volume: 76 Issue: 2 Article Number: 025020 Published: JUL 2007

3,710. Influence of copper (II) ions and its derivatives on radiosensitivity of Escherichia coli

By: Selvaraj, Subburaj; Chabita (Saha), K.; Chakraborty, Anindita; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 76 Issue: 7 Pages: 1160-1164 Published: JUL 2007

3,711. Magnetotransport properties of nanocrystalline  $\text{Pr}_{0.65}(\text{Ca}_{1-y}\text{Sr}_y)_{0.35}\text{MnO}_3$  ( $y$  similar to 0.4,0.3): Influence of phase coexistence

By: Biswas, Anis; Das, I.

APPLIED PHYSICS LETTERS Volume: 91 Issue: 1 Article Number: 013107 Published: JUL 2 2007

3,712. Amino acid residues of Leishmania donovani cyclophilin key to interaction with its adenosine kinase: Biological implications

By: Sen, Banibrata; Venugopal, V.; Chakraborty, Anutosh; et al.

BIOCHEMISTRY Volume: 46 Issue: 26 Pages: 7832-7843 Published: JUL 3 2007

3,713. Topological effect on persistent currents and the sign of low-field currents in n-fold twisted moebius strips

By: Maiti, Santanu K.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 21 Issue: 17 Pages: 3001-3016

Published: JUL 10 2007

3,714. CPT/Lorentz invariance violation and neutrino oscillation

By: Arias, Paola; Gamboa, J.; Mendez, F.; et al.

PHYSICS LETTERS B Volume: 650 Issue: 5-6 Pages: 401-406 Published: JUL 12 2007

3,715. Development of light-induced functionalized asymmetric polysulfone membranes

By: Yogesh; Paul, P.; Basu, S.; et al.

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 105 Issue: 2 Pages: 609-614 Published: JUL 15 2007

3,716. Systematic investigation of the drip-line nuclei Li-11 and Be-14 and their unbound subsystems Li-10 and Be-13

By: Simon, H.; Meister, M.; Aumann, T.; et al.

NUCLEAR PHYSICS A Volume: 791 Issue: 3-4 Pages: 267-302 Published: JUL 15 2007

3,717. A common mode of origin of power laws in models of market and earthquake

By: Bhattacharyya, Pratip; Chatterjee, Arnab; Chakrabarti, Bikas K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 381 Pages: 377-382

Published: JUL 15 2007

3,718. Separation of no-carrier-added Ga-66, Ga-67 produced in heavy ion-induced cobalt target using alginate biopolymers

By: Nayak, Dalia; Banerjee, Anupam; Lahiri, Susanta

APPLIED RADIATION AND ISOTOPES Volume: 65 Issue: 8 Pages: 891-896 Published: AUG

3,719. Interactions of HIPPI, a molecular partner of Huntingtin interacting protein HIP1, with the specific motif present at the putative promoter sequence of the caspase-1, caspase-8 and caspase-10 genes

By: Majumder, P.; Choudhury, A.; Banerjee, M.; et al.

FEBS JOURNAL Volume: 274 Issue: 15 Pages: 3886-3899 Published: AUG 2007

3,720. mRNA cycling sequence binding protein from Leishmania donovani (LdCSBP) is covalently modified by ubiquitination

By: Bhandari, Dipankar; Saha, Partha

FEMS MICROBIOLOGY LETTERS Volume: 273 Issue: 2 Pages: 206-213 Published: AUG 2007

3,721. Understanding image structure from a new multi-scale representation of higher order derivative filters

By: Ghosh, Kuntal; Sarkar, Sandip; Bhaumik, Kamales

IMAGE AND VISION COMPUTING Volume: 25 Issue: 8 Pages: 1228-1238 Published: AUG 1 2007

3,722. Theoretical analysis of noncanonical base pairing interactions in RNA molecules

By: Bhattacharyya, Dhananjay; Koripella, Siv Chand; Mitra, Abhijit; et al.

JOURNAL OF BIOSCIENCES Volume: 32 Issue: 5 Special Issue: SI Pages: 809-825 Published: AUG 2007

3,723. On brane-antibrane forces

By: Lu, Jian-Xin; Ning, Bo; Xu, Shan-Shan; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 042 Published: AUG 2007

3,724. Studies on metal-protein interactions: Inter-comparison among various approaches

By: Samanta, T. Datta; Laskar, S.; Nayak, D.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 273 Issue: 2 Pages: 323-325  
Published: AUG 2007

3,725. Accumulation of radiocesium by Pleurotus citrinopileatus species of edible mushroom

By: Mukhopadhyay, B.; Nag, M.; Laskar, S.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 273 Issue: 2 Pages: 415-418  
Published: AUG 2007

3,726. Adsorption of Sb-125 on alumina and titania surfaces

By: Mukhopadhyay, B.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 273 Issue: 2 Pages: 423-426  
Published: AUG 2007

3,727. Dynamics of dwarf-spheroidals and the dark matter halo of the galaxy

By: Cowsik, R.; Ratnam, Charu; Bhattacharjee, Pijushpani; et al.

NEW ASTRONOMY Volume: 12 Issue: 6 Pages: 507-521 Published: AUG 2007

3,728. Recent results of experiments with radioactive Na-21 and Be-7 ion beams

By: Greife, U.; Livesay, J.; Jewett, C.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 261 Issue: 1-2 Pages: 1089-1093 Published: AUG 2007

3,729. Ideal-gas-like market models with savings: Quenched and annealed cases

By: Chatterjee, Arnab; Chakrabarti, Bikas K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 382 Issue: 1 Pages: 36-41  
Published: AUG 1 2007

3,730. High-temperature induced nano-crystal formation in ion beam-induced amorphous silicon  
ripples

By: Grenzer, J.; Muecklich, A.; Grigorian, S.; et al.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 204 Issue: 8 Pages:  
2555-2560 Published: AUG 2007

3,731. Coarsening of ion-beam-induced surface ripple in Si: Nonlinear effect vs. geometrical  
shadowing

By: Datta, Debi Prasad; Chini, Tapas Kumar

PHYSICAL REVIEW B Volume: 76 Issue: 7 Article Number: 075323 Published: AUG 2007

3,732. Josephson effect in graphene superconductor/barrier/superconductor junctions: Oscillatory  
behavior of the Josephson current

By: Maiti, Moitri; Sengupta, K.

PHYSICAL REVIEW B Volume: 76 Issue: 5 Article Number: 054513 Published: AUG 2007

3,733. Experimental investigation of fusion of Li-7+Si-28 above the Coulomb barrier

By: Sinha, Mandira; Majumdar, H.; Bhattacharya, R.; et al.

PHYSICAL REVIEW C Volume: 76 Issue: 2 Article Number: 027603 Published: AUG 2007

3,734. X-ray photoelectron spectroscopy studies on core-shell structured nanocomposites

By: Mukherjee, M.; Basu, S.; Ghosh, B.; et al.

APPLIED SURFACE SCIENCE Volume: 253 Issue: 20 Pages: 8463-8469 Published: AUG 15 2007

3,735. Magnetocaloric effect in Ho<sub>5</sub>Pd<sub>2</sub>: Evidence of large cooling power

By: Samanta, Tapas; Das, I.; Banerjee, S.

APPLIED PHYSICS LETTERS Volume: 91 Issue: 8 Article Number: 082511 Published: AUG 20 2007

- 3,736. Spectrin interactions with globin chains in the presence of phosphate metabolites and hydrogen peroxide: implications for thalassaemia  
By: Datta, Poppy; Chakrabarty, Sudipa; Chakrabarty, Amit; et al.  
JOURNAL OF BIOSCIENCES Volume: 32 Issue: 6 Pages: 1147-1151 Published: SEP 2007
- 3,737. The S-matrix of the Faddeev-Reshetikhin model, diagonalizability and PT symmetry  
By: Das, Ashok; Melikyan, Arsen; Rivelles, Victor O.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 104 Published: SEP 2007
- 3,738. Simulation of 3D electrostatic configuration in gaseous detectors  
By: Majumdar, N.; Mukhopadhyay, S.  
JOURNAL OF INSTRUMENTATION Volume: 2 Article Number: P09006 Published: SEP 2007
- 3,739. Microwave spectrum of trans 3-fluorophenol in excited torsional states  
By: Jaman, A. I.  
JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 245 Issue: 1 Pages: 21-25 Published: SEP 2007
- 3,740. Linear and nonlinear optical absorption in copper nanocluster-glass composites  
By: Ghosh, Binita; Chakraborty, Purushottam; Mohapatra, Satyabrata; et al.  
MATERIALS LETTERS Volume: 61 Issue: 23-24 Pages: 4512-4515 Published: SEP 2007
- 3,741. Protein seeding of gold nanoparticles and mechanism of glycation sensing  
By: GhoshMoulick, Ranjita; Bhattacharya, Jaydeep; Mitra, Chanchal K.; et al.  
NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE Volume: 3 Issue: 3 Pages: 208-214  
Published: SEP 2007
- 3,742. Unified description of spin-dependent transport in granular ferromagnetic manganites  
By: Mukhopadhyay, Soumik; Das, I.  
PHYSICAL REVIEW B Volume: 76 Issue: 9 Article Number: 094424 Published: SEP 2007
- 3,743. Reaction mechanisms in O-16+Ca-40 at an incident energy of  $E(O-16)=86$  MeV through inclusive measurements of alpha and proton spectra  
By: Basu, Chinmay; Adhikari, S.; Ghosh, S. K.; et al.  
PHYSICAL REVIEW C Volume: 76 Issue: 3 Article Number: 034609 Published: SEP 2007
- 3,744. Indication of the onset of collectivity in P-30  
By: Ray, Indrani; Basu, Moumita Roy; Kshetri, Ritesh; et al.  
PHYSICAL REVIEW C Volume: 76 Issue: 3 Article Number: 034315 Published: SEP 2007
- 3,745. Lifetime measurement of some excited states belonging to the  $3p(4)nd$  ( $n=4-6$ ) configuration of ArII  
By: Karmakar, S.; Das, M. B.  
PRAMANA-JOURNAL OF PHYSICS Volume: 69 Issue: 3 Pages: 477-480 Published: SEP 2007

3,746. Note on the 'Reply to the paper "Comment on gelation mechanism of agarose and kappa-carrageenan solutions estimated in terms of concentration fluctuation" [Polymer 43 (2002) 5299]'  
By: Roy, Madhusudan; Chakraborty, Supratic  
POLYMER Volume: 48 Issue: 19 Pages: 5484-5485 Published: SEP 10 2007

3,747. Magnetic and transport properties of nanocrystalline Nd<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub>  
By: Biswas, Anis; Das, I.  
JOURNAL OF APPLIED PHYSICS Volume: 102 Issue: 6 Article Number: 064303 Published: SEP 15 2007

3,748. Oxovanadium(V) complexes of bis(phenolate) ligands with acetylacetone as co-ligand: Synthesis, crystal structure, electrochemical and kinetics studies on the oxidation of ascorbic acid  
By: Maity, Dipankar; Mijanuddin, Md.; Drew, Michael G. B.; et al.  
POLYHEDRON Volume: 26 Issue: 15 Pages: 4494-4502 Published: SEP 20 2007

3,749. Biosorption of no-carrier-added radionuclides by calcium alginate beads using 'tracer packet' technique  
By: Banerjee, Anupam; Nayak, Dalia  
BIORESOURCE TECHNOLOGY Volume: 98 Issue: 14 Pages: 2771-2774 Published: OCT 2007

3,750. Mossbauer spectroscopy: An essential tool for nanoparticle magnetism in Co<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> ferrite  
By: Bhowmik, R. N.; Ranganathan, R.  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 45 Issue: 10 Pages: 810-815 Published: OCT 2007

3,751. Alpha-prime corrections to space-like branes  
By: Roy, Shibaji; Singh, Harvendra  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 007 Published: OCT 2007

3,752. Wakes in a collisional quark-gluon plasma  
By: Chakraborty, Purnendu; Mustafa, Munshi Golam; Ray, Rajarshi; et al.  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 34 Issue: 10 Pages: 2141-2152  
Published: OCT 2007

3,753. Study of yrast band in Tm-155  
By: Raut, R.; Bhowal, S.; Ganguly, S.; et al.  
NUCLEAR PHYSICS A Volume: 794 Issue: 1-2 Pages: 1-9 Published: OCT 1 2007

3,754. Electron transport through polycyclic hydrocarbon molecules: A study of shot noise contribution to the power spectrum  
By: Maiti, Santanu K.  
ORGANIC ELECTRONICS Volume: 8 Issue: 5 Pages: 575-583 Published: OCT 2007

3,755. Proceedings of the international conference on statistical physics, held at Raichak (Fort Radisson Resort) and Kolkata (Saha Institute of Nuclear Physics and University of Calcutta), India, January 5-9, 2007 - Preface

By: Sen, Parongama; Mohanty, Pradeep Kumar

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 384 Issue: 1 Pages: XI-XI

Published: OCT 1 2007

3,756. Kolmogorov dispersion for turbulence in porous media: A conjecture

By: Chakrabarti, Bikas K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 384 Issue: 1 Pages: 25-27

Published: OCT 1 2007

3,757. Critical behavior of sandpile models with sticky grains

By: Mohanty, P. K.; Dhar, Deepak

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 384 Issue: 1 Pages: 34-38

Published: OCT 1 2007

3,758. Why only few are so successful?

By: Mohanty, P. K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 384 Issue: 1 Pages: 75-79

Published: OCT 1 2007

3,759. Mott phases and quantum phase transitions of extended Bose-Hubbard models in 2+1 dimensions

By: Sengupta, K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 384 Issue: 1 Pages: 115-121

Published: OCT 1 2007

3,760. High-spin structure and band termination in Cd-103

By: Chakraborty, A.; Krishichayan; Mukhopadhyay, S.; et al.

PHYSICAL REVIEW C Volume: 76 Issue: 4 Article Number: 044327 Published: OCT 2007

3,761. Nuclear condensation and the equation of state of nuclear matter

By: De, J. N.; Samaddar, S. K.

PHYSICAL REVIEW C Volume: 76 Issue: 4 Article Number: 044607 Published: OCT 2007

3,762. Nonrotating and rotating neutron stars in the extended field theoretical model

By: Dhiman, Shashi K.; Kumar, Raj; Agrawal, B. K.

PHYSICAL REVIEW C Volume: 76 Issue: 4 Article Number: 045801 Published: OCT 2007

3,763. Excitation energy dependence of the symmetry energy of finite nuclei

By: Samaddar, S. K.; De, J. N.; Vinas, X.; et al.

PHYSICAL REVIEW C Volume: 76 Issue: 4 Article Number: 041602 Published: OCT 2007

3,764. Thermal operator and dispersion relation in QED at finite temperature and chemical potential

By: Das, Ashok; Frenkel, J.

PHYSICAL REVIEW D Volume: 76 Issue: 8 Article Number: 087701 Published: OCT 2007

3,765. Measurement of L subshell photoionisation cross sections of Th and U at 22.6, 25.8, 29.2 and 32.9 keV

By: Santra, S.; Mitra, D.; Sarkar, M.; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 76 Issue: 10 Pages: 1560-1568 Published: OCT 2007

3,766. Synthesis, structure and properties of cobalt(II/III) seleno-bisphenolate complexes containing NN bidentate co-ligands: kinetic studies on the reduction of a cobalt(III) complex by ascorbic acid in 80% MeCN-20% water

By: Mijanuddin, Md.; Maity, Dipankar; Ali, Mahammad; et al.

TRANSITION METAL CHEMISTRY Volume: 32 Issue: 7 Pages: 985-990 Published: OCT 2007

3,767. Novel feature of quantum transport through conducting bridge: Correlation between surface disorder and bulk disorder

By: Maiti, Santanu K.

CHEMICAL PHYSICS LETTERS Volume: 446 Issue: 4-6 Pages: 365-369 Published: OCT 4 2007

3,768. Giant magnetocaloric effect in antiferromagnetic ErRu<sub>2</sub>Si<sub>2</sub> compound

By: Samanta, Tapas; Das, I.; Banerjee, S.

APPLIED PHYSICS LETTERS Volume: 91 Issue: 15 Article Number: 152506 Published: OCT 8 2007

3,769. Self-adjointness of generalized MIC-Kepler system

By: Giri, Pulak Ranjan

MODERN PHYSICS LETTERS A Volume: 22 Issue: 31 Pages: 2365-2377 Published: OCT 10 2007

3,770. Shape changing and accelerating solitons in the integrable variable mass sine-gordon model

By: Kundu, Anjan

PHYSICAL REVIEW LETTERS Volume: 99 Issue: 15 Article Number: 154101 Published: OCT 12 2007

3,771. Enhanced ionic conductivity in Ce<sub>0.8</sub>Sm<sub>0.2</sub>O<sub>1.9</sub>: Unique effect of calcium co-doping

By: Banerjee, Suparna; Devi, Parukuttyamma Sujatha; Topwal, Dinesh; et al.

ADVANCED FUNCTIONAL MATERIALS Volume: 17 Issue: 15 Pages: 2847-2854 Published: OCT 15 2007

3,772. Boson-fermion duality in SU(m|n) supersymmetric Haldane-Shastry spin chain

By: Basu-Mallick, B.; Bondyopadhyaya, Nilanjan; Hikami, Kazuhiro; et al.

NUCLEAR PHYSICS B Volume: 782 Issue: 3 Pages: 276-295 Published: OCT 22 2007

3,773. Enhancement of electron-electron interactions in chemically synthesized polymer nanowires

By: Rahman, Atikur; Sanyal, Milan K.; Gangopadhyay, Rupali; et al.

CHEMICAL PHYSICS LETTERS Volume: 447 Issue: 4-6 Pages: 268-273 Published: OCT 25 2007

3,774. Dibenzo[a,c]phenazine: A polarity-insensitive hydrogen-bonding probe

By: Dey, Debarati; Bose, Adity; Bhattacharyya, Dhananjay; et al.  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 111 Issue: 42 Pages: 10500-10506 Published: OCT 25 2007

3,775. Enhancement of ferromagnetism upon thermal annealing in pure ZnO  
By: Banerjee, S.; Mandal, M.; Gayathri, N.; et al.  
APPLIED PHYSICS LETTERS Volume: 91 Issue: 18 Article Number: 182501 Published: OCT 29 2007

3,776. Positron annihilation spectroscopic studies of the influence of heat treatment on defect evolution in hybrid MWCNT-polyacrylonitrile-based carbon fibers  
By: Chakrabarti, K.; Nambissan, P. M. G.; Mukherjee, C. D.; et al.  
CARBON Volume: 45 Issue: 14 Pages: 2777-2782 Published: NOV 2007

3,777. Kinetic exchange models for income and wealth distributions  
By: Chatterjee, A.; Chakrabarti, B. K.  
EUROPEAN PHYSICAL JOURNAL B Volume: 60 Issue: 2 Pages: 135-149 Published: NOV 2007

3,778. Molecular and functional characterization of EhPAK3, a p21 activated kinase from Entamoeba histolytica  
By: Dutta, Suman; Sardar, Anupama; Ray, Doel; et al.  
GENE Volume: 402 Issue: 1-2 Pages: 57-67 Published: NOV 1 2007

3,779. Assisted inflation from geometric tachyon  
By: Panigrahi, Kamal L.; Singh, Harvendra  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 017 Published: NOV 2007

3,780. P-31 NMR of trimer cluster compound  $\text{Sr}_3\text{Cu}_3(\text{PO}_4)_4$   
By: Ghosh, M.; Ghoshray, K.; Pahari, B.; et al.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 68 Issue: 11 Special Issue: SI Pages: 2183-2186 Published: NOV 2007

3,781. Untitled  
By: Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 274 Issue: 2 Pages: 217-217 Published: NOV 2007

3,782. Speciation dependent studies on chromium absorption using calcium alginate and iron doped calcium alginate biopolymer  
By: Nayak, D.; Banerjee, A.; Roy, S.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 274 Issue: 2 Pages: 219-224 Published: NOV 2007

3,783. Radiometric study on bioaccumulation of gold by an alkaloid extracted from fruits of Piper nigrum  
By: Ghosh, K.; Lahiri, S.



JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 274 Issue: 2 Pages: 233-236  
Published: NOV 2007

3,784. Elemental uptake of radish grown near a Municipal Solid Waste dumping site by EDXRF  
By: Gupta, D.; Chatterjee, J. M.; Ghosh, R.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 274 Issue: 2 Pages: 389-395  
Published: NOV 2007

3,785. Resistance to induction of micronuclei, chromosomal aberrations and apoptosis by Co-60  
gamma-ray in a cell strain M5, derived from Chinese hamster V79 cells  
By: Pathak, R.; Bukhsh, A. R. Khuda; Dey, S. K.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 274 Issue: 2 Pages: 441-447  
Published: NOV 2007

3,786. Perspectives on the mode-coupling approximation for the dynamics of interacting Brownian  
particles

By: Basu, Abhik; Ramaswamy, Sriram

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P11003  
Published: NOV 2007

3,787. Theory of tunneling conductance of graphene normal metal-insulator-superconductor junctions  
By: Bhattacharjee, Subhro; Maiti, Moitri; Sengupta, K.

PHYSICAL REVIEW B Volume: 76 Issue: 18 Article Number: 184514 Published: NOV 2007

3,788. Dielectric anomaly at T-N in LaMnO<sub>3</sub> as a signature of coupling between spin and orbital  
degrees of freedom

By: Mondal, Parthasarathi; Bhattacharya, Dipten; Choudhury, Pranab; et al.

PHYSICAL REVIEW B Volume: 76 Issue: 17 Article Number: 172403 Published: NOV 2007

3,789. Extra dimension searches at hadron colliders to next-to-leading order-QCD

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.

PRAMANA-JOURNAL OF PHYSICS Volume: 69 Issue: 5 Pages: 871-876 Published: NOV 2007

3,790. Probing universal extra dimension at the international linear collider

By: Bhattacharyya, Gautam

PRAMANA-JOURNAL OF PHYSICS Volume: 69 Issue: 5 Pages: 903-907 Published: NOV 2007

3,791. A thermostable cysteine protease precursor from a tropical plant contains an unusual C-  
terminal propeptide: cDNA cloning, sequence comparison and molecular modeling studies

By: Ghosh, Raka; Dattagupta, Jiban K.; Biswas, Sampa

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 362 Issue: 4 Pages: 965-  
970 Published: NOV 3 2007

3,792. Unraveling unparticles through violation of atomic parity and rare beauty

By: Bhattacharyya, Gautam; Choudhury, Debajyoti; Ghosh, Dilip Kumar

PHYSICS LETTERS B Volume: 655 Issue: 5-6 Pages: 261-268 Published: NOV 8 2007

3,793. Novel switching transition of resistance observed in conducting polymer nanowires

By: Rahman, Atikur; Sanyal, Milan K.

ADVANCED MATERIALS Volume: 19 Issue: 22 Pages: 3956-+ Published: NOV 19 2007

3,794. The N-tachyon assisted inflation

By: Singh, Harvendra

MODERN PHYSICS LETTERS A Volume: 22 Issue: 36 Pages: 2737-2748 Published: NOV 30 2007

3,795. Perturbative analysis of multiple-field cosmological inflation(vol 321, pg 999, 2006)

By: Lahiri, Joydev; Bhattacharya, Gautam

ANNALS OF PHYSICS Volume: 322 Issue: 12 Pages: 2994-2994 Published: DEC 2007

3,796. Increased caspase-2, calpain activations and decreased mitochondrial complex II activity in cells expressing exogenous huntingtin exon 1 containing CAG repeat in the pathogenic range

By: Majumder, Pritha; Raychaudhuri, Swasti; Chattopadhyay, Biswanath; et al.

CELLULAR AND MOLECULAR NEUROBIOLOGY Volume: 27 Issue: 8 Pages: 1127-1145 Published: DEC 2007

3,797. Parametric investigation of nonlinear fluctuations in a dc glow discharge plasma

By: Nurujjaman, Md.; Narayanan, Ramesh; Iyengar, A. N. Sekar

CHAOS Volume: 17 Issue: 4 Article Number: 043121 Published: DEC 2007

3,798. Silica encapsulated Ni nanoparticles: Variation of optical and magnetic properties with particle size

By: Das, Soumen; Panda, Subhendu K.; Nandi, Prithiwish; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 7 Issue: 12 Pages: 4447-4455 Published: DEC 2007

3,799. Quantum tunneling in  $(277)_{112}$  and its alpha-decay chain

By: Samanta, Chhanda; Basu, Devasish Narayan; Chowdhury, Partha Roy

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 76 Issue: 12 Article Number: 124201 Published: DEC 2007

3,800. Pleiotropic p27(Kip1), BCR-ABL and leukemic stem cell: the trio in concert

By: Sengupta, A.; Banerjee, S.

LEUKEMIA Volume: 21 Issue: 12 Pages: 2559-2561 Published: DEC 2007

3,801. No evidence for amplification of V617F JAK2 in myeloproliferative disorders

By: Jones, A. V.; Bunyan, D. J.

LEUKEMIA Volume: 21 Issue: 12 Pages: 2561-2563 Published: DEC 2007

3,802. Magnetization and Cu-63 NMR studies on granular FeCu alloys

By: Bandyopadhyay, B.; Pahari, B.; Ghoshray, K.

PHYSICAL REVIEW B Volume: 76 Issue: 21 Article Number: 214424 Published: DEC 2007

3,803. Unparticle physics at hadron collider via dilepton production

By: Mathews, Prakash; Ravindran, V.

PHYSICS LETTERS B Volume: 657 Issue: 4-5 Pages: 198-206 Published: DEC 6 2007

3,804. Black hole entropy for anti de Sitter and de Sitter dilatonic spacetime using brick wall method

By: Ghosh, Tanwi

MODERN PHYSICS LETTERS A Volume: 22 Issue: 37 Pages: 2865-2872 Published: DEC 7 2007

3,805. Intramolecular and intermolecular rearrangements in nanoconfined polystyrene

By: Chattopadhyay, Sudeshna; Datta, Alokmay; Giglia, A.; et al.

MACROMOLECULES Volume: 40 Issue: 25 Pages: 9190-9196 Published: DEC 11 2007

3,806. Effect of beta-cyclodextrin nanocavity confinement on the photophysics of robinetin

By: Banerjee, Anwasha; Basu, Kaushik; Sengupta, Pradeep K.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 89 Issue: 2-3 Pages: 88-97 Published: DEC 14 2007

3,807. Estimation of induced activity in thick lead-bismuth and iron alloy targets by 30 MeV protons

By: Nandy, Maltreyee; Sarkar, P. K.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 583 Issue: 2-3 Pages: 248-255 Published: DEC 21 2007

3,808. Activation foils unfolding for neutron spectrometry: Comparison of different deconvolution methods

By: Tripathy, S. P.; Sunil, C.; Nandy, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 583 Issue: 2-3 Pages: 421-425 Published: DEC 21 2007

3,809. Membrane interactions of hemoglobin variants, HbA, HbE, HbF and globin subunits of HbA: Effects of aminophospholipids and cholesterol

By: Datta, Poppy; Chakrabarty, Sudipa; Chakrabarty, Amit; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1778 Issue: 1 Pages: 1-9 Published: JAN 2008

3,810. Uptake studies of environmentally hazardous Cr-51 in Mung beans

By: Banerjee, Anupam; Nayak, Dalia; Chakraborty, Dipanwita; et al.

ENVIRONMENTAL POLLUTION Volume: 151 Issue: 2 Pages: 423-427 Published: JAN 2008

3,811. Colossal enhancement of magnetoresistance in  $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$  multilayers: Reproducing the phase separation scenario

By: Mukhopadhyay, Soumik; Das, I.

EPL Volume: 83 Issue: 2 Article Number: 27003 Published: 2008

3,812. k-Minkowski spacetime and the star product realizations

By: Meljanac, S.; Samsarov, A.; Stojic, M.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 53 Issue: 2 Pages: 295-309 Published: JAN 2008

3,813. HYPK, a Huntingtin interacting protein, reduces aggregates and apoptosis induced by N-terminal Huntingtin with 40 glutamines in Neuro2a cells and exhibits chaperone-like activity

By: Raychaudhuri, Swasti; Sinha, Mithun; Mukhopadhyay, Debashis; et al.

HUMAN MOLECULAR GENETICS Volume: 17 Issue: 2 Pages: 240-255 Published: JAN 2008

3,814. Re-separation modes of Au-197+Au-197 system at sub-Fermi energies

By: Wilczynski, J.; Skwira-Chalot, I.; Siwek-Wilczynska, K.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 17 Issue: 1 Pages: 41-52 Published: JAN 2008

3,815. Tuning of electron transport through molecular bridge systems: A study of shot noise

By: Maiti, Santanu K.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 108 Issue: 1 Pages: 135-141 Published: JAN 2008

3,816. Magnetocaloric properties of nanocrystalline Pr-0.65(Ca0.6Sr0.4)(0.35)MnO3

By: Biswas, Anis; Samanta, Tapas; Banerjee, S.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 103 Issue: 1 Article Number: 013912 Published: JAN 1 2008

3,817. Microstructural and chemical evolution of -CH<sub>3</sub>-incorporated (Low-k) SiCO(H) films prepared by dielectric barrier discharge plasma

By: Majumdar, Abhijit; Das, Gobind; Patel, Nainesh; et al.

JOURNAL OF THE ELECTROCHEMICAL SOCIETY Volume: 155 Issue: 1 Pages: D22-D26 Published: 2008

3,818. Neural network modeling

By: Chakrabarti, Bikas K.; Basu, Abhik

MODELS OF BRAIN AND MIND: PHYSICAL, COMPUTATIONAL AND PSYCHOLOGICAL APPROACHES  
Book Series: Progress in Brain Research Volume: 168 Pages: 155-168 Published: 2008

3,819. Buddha and the bridging relations

By: Banerjee, Rahul

MODELS OF BRAIN AND MIND: PHYSICAL, COMPUTATIONAL AND PSYCHOLOGICAL APPROACHES  
Book Series: Progress in Brain Research Volume: 168 Pages: 255-262 Published: 2008

3,820. Role of turmeric in ultraviolet induced genotoxicity in a bacterial system

By: Pal, Arijit; Ghosh, Mita; Pal, Arun Kumar

NATURAL PRODUCT COMMUNICATIONS Volume: 3 Issue: 2 Pages: 227-228 Published: 2008

- 3,821. Tuning Kondo physics in graphene with gate voltage  
By: Sengupta, K.; Baskaran, G.  
PHYSICAL REVIEW B Volume: 77 Issue: 4 Article Number: 045417 Published: JAN 2008
- 3,822. Comparative study of the radius of sensitivity of the optical model potentials for Li-6+Ni-58,Ni-64 and O-16+Ni-58,Ni-64  
By: Biswas, Mili  
PHYSICAL REVIEW C Volume: 77 Issue: 1 Article Number: 017602 Published: JAN 2008
- 3,823. Centrality dependence of isospin effect signatures in Sn-124+Ni-64 and Sn-112+Ni-58 reactions  
By: Planeta, R.; Amorini, F.; Anzalone, A.; et al.  
PHYSICAL REVIEW C Volume: 77 Issue: 1 Article Number: 014610 Published: JAN 2008
- 3,824. CP violation and flavor mixings in orbifold grand unified theories  
By: Bhattacharyya, Gautam; Branco, Gustavo C.; Silva-Marcos, Joaquim I.  
PHYSICAL REVIEW D Volume: 77 Issue: 1 Article Number: 011901 Published: JAN 2008
- 3,825. CPT and lepton number violation in the neutrino sector: Modified mass matrix and oscillation due to gravity  
By: Sinha, Monika; Mukhopadhyay, Banibrata  
PHYSICAL REVIEW D Volume: 77 Issue: 2 Article Number: 025003 Published: JAN 2008
- 3,826. Debye-shielding potential in the presence of pair correlations  
By: Bose, Anirban; Janaki, M. S.  
PHYSICS OF PLASMAS Volume: 15 Issue: 1 Article Number: 012109 Published: JAN 2008
- 3,827. Intermittency in the heat and particle transports in the SINP tokamak scrape-off layer  
By: Saha, S. K.; Chowdhury, S.  
PHYSICS OF PLASMAS Volume: 15 Issue: 1 Article Number: 012305 Published: JAN 2008
- 3,828. Probing pseudo-Dirac neutrino through detection of neutrino-induced muons from gamma ray burst neutrinos  
By: Majumdar, Debasish  
PRAMANA-JOURNAL OF PHYSICS Volume: 70 Issue: 1 Pages: 51-60 Published: JAN 2008
- 3,829. Production of hypernuclei with hadronic and electromagnetic probes  
By: Shyam, R.  
PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 61, NO 1 Book Series: Progress in Particle and Nuclear Physics Volume: 61 Issue: 1 Pages: 212-218 Published: 2008
- 3,830. Species dependent radiotracer study of Cr(VI) and Cr(III) using an aqueous biphasic system  
By: Roy, K.; Lahiri, S.  
RADIOCHIMICA ACTA Volume: 96 Issue: 1 Pages: 49-53 Published: 2008

- 3,831. Search for the "missing" alpha-decay branch in Cm-239  
By: Qin, Z.; Bruechle, W.; Ackermann, D.; et al.  
RADIOCHIMICA ACTA Volume: 96 Issue: 8 Pages: 455-460 Published: 2008
- 3,832. Molecular wires: Tuning of electron transport  
By: Maiti, Antanu K.  
SOLID STATE COMMUNICATIONS Volume: 145 Issue: 3 Pages: 126-131 Published: JAN 2008
- 3,833. Observation of large low field magnetoresistance and large magnetocaloric effects in polycrystalline Pr-0.65(Ca0.7Sr0.3)(0.35)MnO<sub>3</sub>  
By: Biswas, Anis; Samanta, Tapas; Banerjee, S.; et al.  
APPLIED PHYSICS LETTERS Volume: 92 Issue: 1 Article Number: 012502 Published: JAN 7 2008
- 3,834. Relating structure with morphology: A comparative study of perfect Langmuir-Blodgett multilayers  
By: Mukherjee, Smita; Datta, Alokmay; Giglia, Angelo; et al.  
CHEMICAL PHYSICS LETTERS Volume: 451 Issue: 1-3 Pages: 80-87 Published: JAN 14 2008
- 3,835. A geant-based study of atmospheric neutrino oscillation parameters at INO  
By: Samanta, Abhijit; Bhattacharya, Sudeb; Ghosal, Ambar; et al.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 23 Issue: 2 Pages: 233-245 Published: JAN 20 2008
- 3,836. Effect of isomers on quantum transport through molecular bridge system  
By: Maiti, Santanu K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 22 Issue: 3 Pages: 247-256 Published: JAN 30 2008
- 3,837. Interaction of 7-hydroxyflavone with human serum albumin: A spectroscopic study  
By: Banerjee, Anwasha; Basu, Kaushik; Sengupta, Pradeep K.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 90 Issue: 1 Pages: 33-40 Published: JAN 30 2008
- 3,838. Activation of p38MAPK by repetitive low grade oxidative stress leads to pro-survival effects (Retraction of vol 1773, pg 367, 2007)  
By: Sen, Prosenjit; Chakraborty, Prabir Kumar; Raha, Sanghamitra  
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1783 Issue: 2 Pages: 345-345 Published: FEB 2008
- 3,839. Role of higher multipole excitations in the electromagnetic dissociation of one-neutron halo nuclei  
By: Chatterjee, R.; Fortunato, L.; Vitturi, A.  
EUROPEAN PHYSICAL JOURNAL A Volume: 35 Issue: 2 Pages: 213-220 Published: FEB 2008

3,840. Structural insights into the substrate specificity and activity of ervatamins, the papain-like cysteine proteases from a tropical plant, *Ervatamia coronaria*

By: Ghosh, Raka; Chakraborty, Sibani; Chakrabarti, Chandana; et al.

FEBS JOURNAL Volume: 275 Issue: 3 Pages: 421-434 Published: FEB 2008

3,841. Relaxation dynamics in small clusters: A modified Monte Carlo approach

By: Pal, Barnana

JOURNAL OF COMPUTATIONAL PHYSICS Volume: 227 Issue: 4 Pages: 2666-2673 Published: FEB 1 2008

3,842. Preconcentration of gold by *Mimusops elengi* seed proteins

By: Nayak, D.; Hazra, K. M.; Laskar, S.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 275 Issue: 2 Pages: 423-426 Published: FEB 2008

3,843. Influence of Mn doping on the microstructure and optical property of ZnO

By: Senthilkumar, S.; Rajendran, K.; Banerjee, S.; et al.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 11 Issue: 1 Pages: 6-12 Published: FEB 2008

3,844. Upper limit on the cosmic gamma-ray burst rate from high energy diffuse neutrino background

By: Bhattacharjee, Pijushpani; Chakraborty, Sovan; Das Gupta, Srirupa; et al.

PHYSICAL REVIEW D Volume: 77 Issue: 4 Article Number: 043008 Published: FEB 2008

3,845. Excitation of geodesic acoustic modes by ion temperature gradient modes

By: Guzdar, P. N.; Chakrabarti, N.; Singh, R.; et al.

PLASMA PHYSICS AND CONTROLLED FUSION Volume: 50 Issue: 2 Article Number: 025006 Published: FEB 2008

3,846. Modification of the spin state in  $\text{Sm}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$  by external magnetic field

By: Sarkar, P.; Mandal, P.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 5 Article Number: 052501 Published: FEB 4 2008

3,847. Formation and ordering of gold nanoparticles at the toluene-water interface

By: Sanyal, Milan K.; Agrawal, Ved V.; Bera, Mrinal K.; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 112 Issue: 6 Pages: 1739-1743 Published: FEB 14 2008

3,848. Positron annihilation spectroscopic studies of solvothermally synthesized ZnO nanobipyramids and nanoparticles

By: Ghoshal, Tandra; Biswas, Subhajit; Kar, Soumitra; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 128 Issue: 7 Article Number: 074702 Published: FEB 21 2008

3,849. Radiative and collisional jet energy loss in the quark-gluon plasma at the BNL relativistic heavy ion collider

By: Qin, Guang-You; Ruppert, Joerg; Gale, Charles; et al.  
PHYSICAL REVIEW LETTERS Volume: 100 Issue: 7 Article Number: 072301 Published: FEB 22 2008

3,850.Exact results for quench dynamics and defect production in a two-dimensional model  
By: Sengupta, K.; Sen, Diptiman; Mondal, Shreyoshi  
PHYSICAL REVIEW LETTERS Volume: 100 Issue: 7 Article Number: 077204 Published: FEB 22 2008

3,851.Positron annihilation spectroscopy and specific heat study of neon ion irradiated MgB<sub>2</sub>  
By: Talapatra, A.; Bandyopadhyay, S. K.; Nambissan, P. M. G.; et al.  
PHYSICS LETTERS A Volume: 372 Issue: 9 Pages: 1521-1526 Published: FEB 25 2008

3,852.Polyphenolic compound resveratrol targets heat shock protein 70 in chronic myeloid leukemia to induce apoptosis  
By: Chakraborty, P. K.; Mustafi, S. Banerjee; Raha, S.  
EJC SUPPLEMENTS Volume: 6 Issue: 3 Pages: 44-45 Meeting Abstract: P11 Published: MAR 2008

3,853.Persistent current and low-field magnetic susceptibility in n-fold twisted Moebius strips  
By: Maiti, Santanu K.  
INDIAN JOURNAL OF PHYSICS Volume: 82 Issue: 3 Pages: 281-287 Published: MAR 2008

3,854.Photoinduced electron transfer between hen egg white lysozyme and anticancer drug menadione  
By: Banerjee, Swagata; Choudhury, Sharmistha Dutta; Dasgupta, Swagata; et al.  
JOURNAL OF LUMINESCENCE Volume: 128 Issue: 3 Pages: 437-444 Published: MAR 2008

3,855.Micelles-mediated synthesis of magnetic Fe<sub>3</sub>Pt nanoparticles of cubic morphology and their characterisation  
By: Mandal, Madhuri; Shamsuzzoha, Mohammad; Nikles, Dave E.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 320 Issue: 5 Pages: 630-633  
Published: MAR 2008

3,856.Mesoporous polyaniline having high conductivity at room temperature  
By: Nandi, Mahasweta; Gangopadhyay, Rupali; Bhaumik, Asim  
MICROPOROUS AND MESOPOROUS MATERIALS Volume: 109 Issue: 1-3 Pages: 239-247 Published:  
MAR 1 2008

3,857.High temperature ferromagnetism in single crystalline dilute Fe-doped BaTiO<sub>3</sub>  
By: Ray, Sugata; Mahadevan, Priya; Mandal, Suman; et al.  
PHYSICAL REVIEW B Volume: 77 Issue: 10 Article Number: 104416 Published: MAR 2008

3,858.S-matrix approach to equation of state of nuclear matter  
By: Mallik, S.; De, J. N.; Samaddar, S. K.; et al.  
PHYSICAL REVIEW C Volume: 77 Issue: 3 Article Number: 032201 Published: MAR 2008

3,859.Four-zero neutrino Yukawa textures in the minimal seesaw framework



By: Branco, Gustavo C.; Emmanuel-Costa, David; Rebelo, M. N.; et al.

PHYSICAL REVIEW D Volume: 77 Issue: 5 Article Number: 053011 Published: MAR

3,860. Unparticle physics in diphoton production at the CERN LHC

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.

PHYSICAL REVIEW D Volume: 77 Issue: 5 Article Number: 055013 Published: MAR 2008

3,861. Singlet and doublet states UV-vis spectrum and electronic properties of 3-methylchrysene and 4-methylchrysene in glass matrix

By: Husain, Mudassir A.; Tandon, H. C.; Varadwaj, Pradeep R.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 69 Issue: 3 Pages: 693-700 Published: MAR 2008

3,862. Secondary emission of  $MCsn^+$  molecular ions under the joint influence of electropositive and electronegative elements

By: Saha, Biswajit; Sarkar, Subhendu; Chakraborty, Purushottam; et al.

SURFACE SCIENCE Volume: 602 Issue: 5 Pages: 1061-1065 Published: MAR 1 2008

3,863. Enhanced surface diffusion in forming ion-beam-induced nanopatterns on Si (001)

By: Banerjee, R.; Hazra, S.; Sanyal, M. K.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 41 Issue: 5 Article Number: 055306 Published: MAR 7 2008

3,864. Room temperature photoluminescence from the amorphous Si structure generated under keV Ar-ion-induced surface rippling condition

By: Chini, T. K.; Datta, D. P.; Facsko, S.; et al.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 10 Article Number: 101919 Published: MAR 10 2008

3,865. Self-association of the anionic form of the DNA-binding anticancer drug mithramycin

By: Lahiri, Shibojyoti; Devi, Pukhrambam Grihanjali; Majumder, Parijat; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 112 Issue: 10 Pages: 3251-3258 Published: MAR 13 2008

3,866. Novel feature of quantum transport through conducting bridge: Correlation between surface disorder and bulk disorder (vol 446, pg 365, 2007)

By: Maiti, Santanu K.

CHEMICAL PHYSICS LETTERS Volume: 454 Issue: 4-6 Pages: 419-419 Published: MAR 20 2008

3,867. Langmuir-Blodgett film from a bi-molecular layer at air-water interface

By: Kundu, S.

COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 317 Issue: 1-3 Pages: 618-624 Published: MAR 20 2008

3,868. Microstructure, magnetic and Mossbauer studies on spark-plasma sintered Sm-Co-Fe/Fe(Co) nanocomposite magnets

By: Rao, N. V. Rama; Saravanan, P.; Gopalan, R.; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 41 Issue: 6 Article Number: 065001 Published:  
MAR 21 2008

3,869.

Structure, stability, and dynamics of canonical and noncanonical base pairs: Quantum chemical studies  
By: Roy, Ashim; Panigrahi, Swati; Bhattacharyya, Malyasri; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 112 Issue: 12 Pages: 3786-3796 Published: MAR 27  
2008

3,870. Tunnelling from black holes and tunnelling into white holes

By: Chatterjee, Bhramar; Ghosh, A.; Mitra, P.  
PHYSICS LETTERS B Volume: 661 Issue: 4 Pages: 307-311 Published: MAR 27 2008

3,871. Loss of phospholipid membrane asymmetry and sialylated glycoconjugates from erythrocyte  
surface in haemoglobin E beta-thalassaemia

By: Basu, Sumanta; Banerjee, Debasis; Chandra, Sarmila; et al.  
BRITISH JOURNAL OF HAEMATOLOGY Volume: 141 Issue: 1 Pages: 92-99 Published: APR 2008

3,872. Lattice bosons in quartic confinement

By: Ramakumar, R.; Das, A. N.  
EUROPEAN PHYSICAL JOURNAL D Volume: 47 Issue: 2 Pages: 203-208 Published: APR

3,873. Real time global tests of the ALICE High Level Trigger data transport framework

By: Becker, B.; Chattopadhyay, S.; Cicalo, C.; et al.  
IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 55 Issue: 2 Pages: 703-709 Published: APR  
2008

3,874. Structural determinants of *V. cholerae* CheYs that discriminate them in FliM binding:  
Comparative modeling and MD simulation studies

By: Dasgupta, Jhimli; Dattagupta, Jiban K.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 25 Issue: 5 Pages: 495-503  
Published: APR 2008

3,875. Neutralization kinetics of charged polymer surface

By: Mukherjee, S.; Mukherjee, M.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 163 Issue: 1-3 Pages:  
51-58 Published: APR 2008

3,876. Multiple functions of generic drugs: Future perspectives of Aureolic acid group of anti-cancer  
antibiotics and non-steroidal anti-inflammatory drugs

By: Chakraborty, HIRAK; Devi, Pukhrambam Grihanjali; Sarkar, Munna; et al.  
MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 8 Issue: 4 Pages: 331-349 Published: APR 2008

3,877. Photoacoustic spectroscopy of Ni<sup>2+</sup>-implanted quartz

By: Ghosh, Binita; Chakraborty, Purushottam; Kumar, P.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1229-1234 Published: APR 2008

3,878.Saturable absorption in gold implanted fused silica  
By: Ghosh, Binita; Chakraborty, Purushottam; Sundaravel, B.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1356-1361 Published: APR 2008

3,879.On the emission of MoCs<sup>+</sup> molecular ions from Cs<sup>+</sup> irradiated molybdenum surface  
By: Saha, Biswajit; Chakraborty, Purushottam  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1386-1391 Published: APR 2008

3,880.Nanoindentation on single-crystal Si modified by 100 keV Cr<sup>+</sup> implantation  
By: Mishra, P.; Bhattacharyya, S. R.; Ghose, D.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1629-1634 Published: APR 2008

3,881.The energy dependence of sputtering induced ripple topography in Al film  
By: Mishra, P.; Ghose, D.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1635-1641 Published: APR 2008

3,882.Positron lifetime studies of the dose dependence of nanohole free volumes in ion-irradiated conducting poly-(ethylene-oxide)-salt polymers  
By: Kumar, Rajesh; De, Udayan; Nambissan, P. M. G.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1783-1787 Published: APR 2008

3,883.Ultra-high depth resolution SIMS for the interface analysis of complex low-dimensional structures  
By: Chakraborty, Purushottam  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 266 Issue: 8 Pages: 1858-1865 Published: APR 2008

3,884.The study of threshold behaviour of effective potential for Li-6+Ni-58,Ni-64 systems  
By: Biswas, M.; Roy, Subinit; Sinha, M.; et al.  
NUCLEAR PHYSICS A Volume: 802 Pages: 67-81 Published: APR 1 2008

3,885.Effects of the Dirac sea on pion propagation in asymmetric nuclear matter  
By: Biswas, Subhrajyoti; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW C Volume: 77 Issue: 4 Article Number: 045201 Published: APR 2008

3,886.Search for long lived heaviest nuclei beyond the valley of stability

By: Chowdhury, P. Roy; Samanta, C.; Basu, D. N.

PHYSICAL REVIEW C Volume: 77 Issue: 4 Article Number: 044603 Published: APR 2008

3,887. Correlations in the properties of static and rapidly rotating compact stars

By: Agrawal, B. K.; Kumar, Raj; Dhiman, Shashi K.

PHYSICAL REVIEW D Volume: 77 Issue: 8 Article Number: 087301 Published: APR 2008

3,888. Analytical results for stochastically growing networks: Connection to the zero-range process

By: Mohanty, P. K.; Jalan, Sarika

PHYSICAL REVIEW E Volume: 77 Issue: 4 Article Number: 045102 Part: 2 Published: APR 2008

3,889. Anomalous Quantum Transport Through A Thin Film Of Varying Impurity Density With The Distance From The Film Surface

By: Maiti, Santanu K.

TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS Volume: 61 Issue: 2-3 Pages: 211-215

Published: APR-JUN 2008

3,890. Quantum transport through organic molecules (vol 331, pg 254, 2007)

By: Maiti, Santanu K.

CHEMICAL PHYSICS Volume: 345 Issue: 1 Pages: 130-130 Published: APR 3 2008

3,891. CHED 1328-Zn(II)-metalloproteins as additional target for the dna-binding anticancer antibiotics, mithramycin and chromomycin A(3)

By: Devi, Pukhrambam Grihanjali; Dasgupta, Dipak

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 235 Meeting Abstract: 1328-CHED Published: APR 6 2008

3,892. Interacting quantum topologies and the quantum Hall effect

By: Balachandran, A. P.; Gupta, Kumar S.; Kuerkcueoglu, Seckin

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 23 Issue: 9 Pages: 1327-1336

Published: APR 10 2008

3,893. Extra-dimensional relaxation of the upper limit of the lightest supersymmetric neutral Higgs mass

By: Bhattacharyya, Gautam; Majee, Swarup Kumar; Raychaudhuri, Amitava

NUCLEAR PHYSICS B Volume: 793 Issue: 1-2 Pages: 114-130 Published: APR 11 2008

3,894. Supersymmetric quantum mechanical generalized MIC-Kepler system

By: Giri, Pulak Ranjan

MODERN PHYSICS LETTERS A Volume: 23 Issue: 12 Pages: 895-904 Published: APR 20 2008

3,895. Electron capture and scaling anomaly in polar molecules

By: Giri, Pulak Ranjan; Gupta, Kumar S.; Meljanac, S.; et al.

PHYSICS LETTERS A Volume: 372 Issue: 17 Pages: 2967-2970 Published: APR 21 2008

- 3,896. A simple and direct method for generating travelling wave solutions for nonlinear equations  
By: Bazeia, D.; Das, Ashok; Losano, L.; et al.  
ANNALS OF PHYSICS Volume: 323 Issue: 5 Pages: 1150-1167 Published: MAY 2008
- 3,897. Production and separation of Astatine Radionuclides: Some new addition to Astatine Chemistry  
By: Roy, Kamalika; Lahiri, Susanta  
APPLIED RADIATION AND ISOTOPES Volume: 66 Issue: 5 Pages: 571-576 Published: MAY 2008
- 3,898. Effect of surfactants on casein structure: A spectroscopic study  
By: Chakraborty, Asima; Basak, Soumen  
COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 63 Issue: 1 Pages: 83-90 Published: MAY 1 2008
- 3,899. Preparation, characterization and performance of conducting polypyrrole composites based on polysulfone  
By: Bhattacharya, A.; Mukherjee, D. C.; Gohil, J. M.; et al.  
DESALINATION Volume: 225 Issue: 1-3 Pages: 366-372 Published: MAY 1 2008
- 3,900. The mean distance to the  $n$ th neighbour in a uniform distribution of random points: an application of probability theory  
By: Bhattacharyya, Pratip; Chakrabarti, Bikas K.  
EUROPEAN JOURNAL OF PHYSICS Volume: 29 Issue: 3 Pages: 639-645 Published: MAY 2008
- 3,901. Twist-dependent stacking energy of base-pair steps in B-DNA geometry: A density functional theory approach  
By: Samanta, Sudipta; Kabir, Mukul; Sanyal, Biplab; et al.  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 108 Issue: 6 Pages: 1173-1180 Published: MAY 2008
- 3,902. Protein folding by domain v of Escherichia coli 23S rRNA: Specificity of RNA-protein interactions  
By: Samanta, Dibyendu; Mukhopadhyay, Debashis; Chowdhury, Saheli; et al.  
JOURNAL OF BACTERIOLOGY Volume: 190 Issue: 9 Pages: 3344-3352 Published: MAY 2008
- 3,903. Spinflation from geometric tachyon  
By: Panigrahi, Kamal L.; Singh, Harvendra  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 088 Published: MAY 2008
- 3,904. Magnetic field effect on photoinduced electron transfer between  $[\text{Cu}(\text{phen})_2]^{2+}$  and DNA  
By: Dey, Debarati; Bose, Adity; Pramanik, Nikhil; et al.  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 112 Issue: 17 Pages: 3943-3946 Published: MAY 1 2008
- 3,905. Hypernuclear production by the  $(\gamma, K^+)$  reaction within a relativistic model  
By: Shyam, R.; Lenske, H.; Mosel, U.  
PHYSICAL REVIEW C Volume: 77 Issue: 5 Article Number: 052201 Published: MAY 2008

3,906.Polyakov-Nambu-Jona-Lasinio model with a Vandermonde term

By: Ghosh, Sanjay K.; Mukherjee, Tamal K.; Mustafa, Munshi G.; et al.

PHYSICAL REVIEW D Volume: 77 Issue: 9 Article Number: 094024 Published: MAY 2008

3,907.Twisted statistics in kappa-Minkowski spacetime

By: Govindarajan, T. R.; Gupta, Kumar S.; Harikumar, E.; et al.

PHYSICAL REVIEW D Volume: 77 Issue: 10 Article Number: 105010 Published: MAY 2008

3,908.A perturbed angular correlation spectrometer for material science studies

By: Dey, C. C.

PRAMANA-JOURNAL OF PHYSICS Volume: 70 Issue: 5 Pages: 835-846 Published: MAY

3,909.Molecular wires: Tuning of electron transport (vol 145, pg 126, 2008)

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 146 Issue: 5-6 Pages: 278-278 Published: MAY

3,910.Hydrostatic pressure effect on archetypal  $\text{Sm}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$  single crystal

By: Mydeen, K.; Sarkar, P.; Mandal, P.; et al.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 18 Article Number: 182510 Published: MAY 5 2008

3,911.Large magnetocaloric effect in  $\text{Sm}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$  in low magnetic field

By: Sarkar, P.; Mandal, P.; Choudhury, P.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 18 Article Number: 182506 Published: MAY 5 2008

3,912.Studies of performances by the interchanging of the sequence of the photomodified layer in the thin film composite (TFC) membrane

By: Yogesh; Gupta, S.; Javiya, S.; et al.

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 108 Issue: 4 Pages: 2611-2616 Published: MAY 15 2008

3,913.Topological effect on persistent currents and the sign of low-field currents in n-fold twisted Moebius strips (vol B21, pg 3001, 2007)

By: Maiti, Santanu K.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 22 Issue: 13 Pages: 2197-2197

Published: MAY 20 2008

3,914.Influence of charge ordering on magnetocaloric properties of nanocrystalline  $\text{Pr}_{0.65}(\text{Ca}_{0.7}\text{Sr}_{0.3})_{0.35}\text{MnO}_3$

By: Biswas, Anis; Samanta, Tapas; Banerjee, S.; et al.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 21 Article Number: 212502 Published: MAY 26 2008

3,915.Magnetic ordering and electrical resistivity in  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{O}_4$  spinel oxide

By: Bhowmik, R. N.; Ranganathan, R.; Ghosh, B.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 456 Issue: 1-2 Pages: 348-352 Published: MAY 29 2008

3,916. Immobilization of long-lived radionuclides Eu-152, Eu-154 by selective bioaccumulation in *Saccharomyces cerevisiae* from a synthetic mixture of Eu-152, Eu-154, Cs-137 and Co-60

By: Roy, Kamalika; Sinha, P.; Lahiri, Susanta

BIOCHEMICAL ENGINEERING JOURNAL Volume: 40 Issue: 2 Pages: 363-367 Published: JUN 1 2008

3,917. Resveratrol induces apoptosis in K562 (chronic myelogenous leukemia) cells by targeting a key survival protein, heat shock protein 70

By: Chakraborty, Prabir K.; Mustafi, Soumyajit Banerjee; Ganguly, Sudipto; et al.

CANCER SCIENCE Volume: 99 Issue: 6 Pages: 1109-1116 Published: JUN 2008

3,918. Atom capture by nanotube and scaling anomaly

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 47 Issue: 6 Pages: 1776-1783

Published: JUN 2008

3,919. Quantum chemical studies of structures and binding in noncanonical RNA base pairs: The trans Watson-Crick : Watson-Crick family

By: Sharma, Purshotam; Mitra, Abhijit; Sharma, Sitansh; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 25 Issue: 6 Pages: 709-732

Published: JUN 2008

3,920. Dirac leptogenesis in extended nMSSM

By: Chun, Eung Jin; Roy, Probir

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 089 Published: JUN 2008

3,921. Matter-induced charge symmetry breaking and the pion form factor in nuclear medium

By: Roy, Pradip; Dutt-Mazumder, Abhee K.; Sarkar, Sourav; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 35 Issue: 6 Article Number: 065106 Published: JUN 2008

3,922. Lambda hyperonic effect on the normal drip lines

By: Samanta, C.; Chowdhury, P. Roy; Basu, D. N.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 35 Issue: 6 Article Number: 065101 Published: JUN 2008

3,923. Quantum and classical integrable sine-Gordon model with defect

By: Habibullin, Ismagil; Kundu, Anjan

NUCLEAR PHYSICS B Volume: 795 Issue: 3 Pages: 549-568 Published: JUN 1 2008

3,924. Low energy properties of the  $SU(m \text{ vertical bar } n)$  supersymmetric Haldane-Shastry spin chain

By: Basu-Mallick, B.; Bondyopadhyaya, Nilanjan; Sen, Diptiman

NUCLEAR PHYSICS B Volume: 795 Issue: 3 Pages: 596-622 Published: JUN 1 2008

3,925. Electron transport through polycyclic hydrocarbon molecules: a study of shot noise contribution to the power spectrum (vol 8, pg 575, 2007)

By: Maiti, Santanu K.

ORGANIC ELECTRONICS Volume: 9 Issue: 3 Pages: 418-418 Published: JUN 2008

3,926. Quantum transport through single phenalenyl molecule: Effect of interface structure

By: Maiti, Santanu K.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 40 Issue: 8 Pages: 2730-2735 Published: JUN 2008

3,927. NMR study of the impurity induced ordered state in the doped Haldane chain compound  $\text{SrNi}_{1.93}\text{Mg}_{0.07}\text{V}_2\text{O}_8$

By: Pahari, B.; Ghoshray, K.; Sarkar, R.; et al.

PHYSICAL REVIEW B Volume: 77 Issue: 22 Article Number: 224429 Published: JUN 2008

3,928. Universal doublet-singlet Higgs couplings and phenomenology at the CERN Large Hadron Collider

By: Bhattacharyya, Gautam; Branco, Gustavo C.; Nandi, S.

PHYSICAL REVIEW D Volume: 77 Issue: 11 Article Number: 117701 Published: JUN 2008

3,929. Lorentz-symmetry violating decays in a medium

By: Nieves, Jose F.; Pal, Palash B.

PHYSICAL REVIEW D Volume: 77 Issue: 11 Article Number: 113001 Published: JUN

3,930. Huntingtin interacting protein HYPK is intrinsically unstructured

By: Raychaudhuri, Swasti; Majumder, Pritha; Sarkar, Somosree; et al.

PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 71 Issue: 4 Pages: 1686-1698 Published: JUN 2008

3,931. Laser flash photolysis and magnetic-field-effect studies on interaction of thymine and thymidine with menadione: role of sugar in controlling reaction pattern

By: Bose, Adity; Dey, Debarati; Basu, Samita

SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS Volume: 9 Issue: 2 Article Number: 024205 Published: JUN 2008

3,932. Interactions of guanine and guanosine hydrates with quinones: A laser flash photolysis and magnetic field effect study

By: Bose, Adity; Dey, Debarati; Basu, Samita

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 112 Issue: 22 Pages: 4914-4920 Published: JUN 5

3,933. Size-induced metal insulator transition and glassy magnetic behavior in  $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$  nanoparticles

By: Roy, B.; Das, S.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 23 Article Number: 233101 Published: JUN 9 2008



3,934. Hyperon bulk viscosity in the presence of antikaon condensate

By: Chatterjee, Debarati; Bandyopadhyay, Debades

ASTROPHYSICAL JOURNAL Volume: 680 Issue: 1 Pages: 686-694 Published: JUN 10 2008

3,935. Mn<sup>2+</sup>-induced substitutional structural changes in ZnS nanoparticles as observed from positron annihilation studies

By: Biswas, Subhajit; Kar, Soumitra; Chaudhuri, Subhadra; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 20 Issue: 23 Article Number: 235226

Published: JUN 11 2008

3,936. Transverse vibrations driven negative thermal expansion in a metallic compound

GdPd<sub>3</sub>B<sub>0.25</sub>Co<sub>0.75</sub>

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.

APPLIED PHYSICS LETTERS Volume: 92 Issue: 26 Article Number: 261913 Published: JUN 30 2008

3,937. Interaction of 9,10-anthraquinone with adenine and 2'-deoxyadenosine

By: Bose, Aditya; Sarkar, Achintya K.; Basu, Samita

BIOPHYSICAL CHEMISTRY Volume: 136 Issue: 1 Pages: 59-65 Published: JUL 2008

3,938. Scaling anomaly in string defect background

By: Giri, P. R.

EUROPEAN PHYSICAL JOURNAL C Volume: 56 Issue: 1 Pages: 147-151 Published: JUL 2008

3,939. Investigation on pH dependent uptake of Cr(III) and Cr(VI) by Baker's yeast

By: Lahari, Susanta; Roy, Kamalika

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: 15 Issue: 4 Pages: 417-419 Published: JUL 2008

3,940. Lower bound of minimal time evolution in quantum mechanics

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 47 Issue: 7 Pages: 2095-2100

Published: JUL 2008

3,941. Novel Feature of Quantum Transport Through Ultra-Thin Quantum Film

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 5 Issue: 7 Pages: 1398-1402 Published: JUL 2008

3,942. Photoluminescence studies on porous silicon/polymer heterostructure

By: Mishra, J. K.; Bhunia, S.; Banerjee, S.; et al.

JOURNAL OF LUMINESCENCE Volume: 128 Issue: 7 Pages: 1169-1174 Published: JUL 2008

3,943. Quench dynamics and defect production in the Kitaev and extended Kitaev models

By: Mondal, Shreyoshi; Sen, Diptiman; Sengupta, K.

PHYSICAL REVIEW B Volume: 78 Issue: 4 Article Number: 045101 Published: JUL 2008

3,944. Field-induced first-order to second-order magnetic phase transition in  $\text{Sm}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$

By: Sarkar, P.; Mandal, P.; Bera, A. K.; et al.

PHYSICAL REVIEW B Volume: 78 Issue: 1 Article Number: 012415 Published: JUL 2008

3,945. Polyethylene terephthalate polymers at mountain altitude as cosmic ray heavy particle detector

By: Basu, B.; Biswas, S.; Dey, S.; et al.

RADIATION MEASUREMENTS Volume: 43 Supplement: 1 Pages: S262-S265 Published: JUL 2008

3,946. Charge response of polyethylene terephthalate polymers (PET) to light and heavy nuclei

By: Basu, El.; Dey, S.; Fischer, B.; et al.

RADIATION MEASUREMENTS Volume: 43 Supplement: 1 Pages: S95-S97 Published: JUL 2008

3,947. Threshold ss of superheated emulsion detector to heavy ions

By: Das, Mala; Yasuda, Nakahiro; Sawamura, Teruko

RADIATION MEASUREMENTS Volume: 43 Supplement: 1 Pages: S62-S64 Published: JUL 2008

3,948. Colloquium: Quantum annealing and analog quantum computation

By: Das, Amab; Chakrabarti, Bikas K.

REVIEWS OF MODERN PHYSICS Volume: 80 Issue: 3 Pages: 1061-1081 Published: JUL-SEP 2008

3,949. Defect production in nonlinear quench across a quantum critical point

By: Sen, Diptiman; Sengupta, K.; Mondal, Shreyoshi

PHYSICAL REVIEW LETTERS Volume: 101 Issue: 1 Article Number: 016806 Published: JUL 4 2008

3,950. Universal near-horizon conformal structure and black hole entropy

By: Chakrabarti, Sayan K.; Gupta, Kumar S.; Sen, Siddhartha

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 23 Issue: 16-17 Pages: 2547-2561

Published: JUL 10 2008

3,951. Characterization of Langmuir-Blodgett film using differential charging in X-ray photoelectron spectroscopy

By: Islam, A. K. M. Maidul; Mukherjee, M.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 112 Issue: 29 Pages: 8523-8529 Published: JUL 24 2008

3,952. Spectroscopic factors for alpha decay in the NpNn scheme

By: Bhattacharya, Madhubrata; Roy, Subinit; Gangopadhyay, G.

PHYSICS LETTERS B Volume: 665 Issue: 4 Pages: 182-185 Published: JUL 24 2008

3,953. Localization at the energy threshold in non-commutative space

By: Giri, Pulak Ranjan

PHYSICS LETTERS A Volume: 372 Issue: 31 Pages: 5123-5125 Published: JUL 28 2008

- 3,954. Indomethacin: A NSAID sensitive to micro heterogeneity in alcohol-water mixtures  
By: Ghatak, Archana; Mandal, Parikshit C.; Sarkar, Munna  
CHEMICAL PHYSICS LETTERS Volume: 460 Issue: 4-6 Pages: 521-524 Published: JUL 30 2008
- 3,955. Binding interaction of cationic phenazinium dyes with calf thymus DNA: A comparative study  
By: Sarkar, Deboleena; Das, Paramita; Basak, Soumen; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 112 Issue: 30 Pages: 9243-9249 Published: JUL 31 2008
- 3,956. The ALICE experiment at the CERN LHC  
By: Aamodt, K.; Quintana, A. Abrahantes; Achenbach, R.; et al.  
JOURNAL OF INSTRUMENTATION Volume: 3 Article Number: S08002 Published: AUG 2008 Free
- 3,957. Electron Transport Through Molecular Bridge Systems  
By: Maiti, Santanu K.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 8 Issue: 8 Pages: 4096-4100  
Published: AUG
- 3,958. Multi-quasiparticle bands in Ce-137  
By: Bhattacharjee, Tumpa; Chanda, Somen; Mukherjee, Anjali; et al.  
PHYSICAL REVIEW C Volume: 78 Issue: 2 Article Number: 024304 Published: AUG 2008
- 3,959. Abrupt change of rotation axis in Ag-109  
By: Datta, P.; Roy, S.; Pal, S.; et al.  
PHYSICAL REVIEW C Volume: 78 Issue: 2 Article Number: 021306 Published: AUG 2008
- 3,960. Structure of even-even  $A=138$  isobars and the yrast spectra of semi-magic Sn isotopes above the Sn-132 core  
By: Sarkar, S.; Sarkar, M. Saha  
PHYSICAL REVIEW C Volume: 78 Issue: 2 Article Number: 024308 Published: AUG 2008
- 3,961. Sub-barrier fusion excitation for the system Li-7+Si-28  
By: Sinha, Mandira; Majumdar, H.; Basu, P.; et al.  
PHYSICAL REVIEW C Volume: 78 Issue: 2 Article Number: 027601 Published: AUG 2008
- 3,962. Noise-invoked resonances near a homoclinic bifurcation in the glow discharge plasma  
By: Nurujjaman, Md.; Iyengar, A. N. Sekar; Parmananda, P.  
PHYSICAL REVIEW E Volume: 78 Issue: 2 Article Number: 026406 Part: 2 Published: AUG 2008
- 3,963. Two-fractal overlap time series: Earthquakes and market crashes  
By: Chakrabarti, Bikas K.; Chatterjee, Arnab; Bhattacharyya, Pratip  
PRAMANA-JOURNAL OF PHYSICS Volume: 71 Issue: 2 Pages: 203-210 Published: AUG 2008
- 3,964. Neutron dose equivalent from 100 MeV F-19 projectiles on thick Cu target  
By: Sunil, C.; Nandy, M.; Bandyopadhyay, T.; et al.

RADIATION MEASUREMENTS Volume: 43 Issue: 7 Pages: 1278-1284 Published: AUG 2008

3,965. Tuning of electron transport through molecular bridge systems: A study of shot noise (vol 108, pg 135, 2008)

By: Maiti, Santanu K.

INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 108 Issue: 9 Pages: 1615-1615

Published: AUG 5 2008

3,966. Effect of vibrations on the formation of gold nanoparticle aggregates at the toluene-water interface

By: Bera, M. K.; Sanyal, M. K.; Banerjee, R.; et al.

CHEMICAL PHYSICS LETTERS Volume: 461 Issue: 1-3 Pages: 97-101 Published: AUG 8 2008

3,967. Dark matter candidate in a heavy Higgs model: Direct detection rates

By: Majumdar, Debasish; Ghosal, Ambar

MODERN PHYSICS LETTERS A Volume: 23 Issue: 24 Pages: 2011-2022 Published: AUG 10 2008

3,968. Bound for entropy and viscosity ratio of strange quark matter

By: Bagchi, Manjari; Dey, Jishnu; Dey, Mira; et al.

PHYSICS LETTERS B Volume: 666 Issue: 2 Pages: 145-149 Published: AUG 14 2008

3,969. Change in the room temperature magnetic property of ZnO upon Mn doping

By: Banerjee, S.; Raiendran, K.; Gayathri, N.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 104 Issue: 4 Article Number: 043913 Published: AUG 15 2008

3,970. Interaction of chromium with resistant strain *Aspergillus versicolor*: Investigation with atomic force microscopy and other physical studies

By: Das, Sujoy K.; Mukherjee, Manabendra; Guha, Arun K.

LANGMUIR Volume: 24 Issue: 16 Pages: 8643-8650 Published: AUG 19 2008

3,971. Thermodynamic properties of Holstein polarons and the effects of disorder

By: Das, A. N.; Sil, S.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 20 Issue: 34 Article Number: 345222

Published: AUG 27 2008

3,972. Dirac spinors in solenoidal field and self-adjoint extensions of its Hamiltonian

By: Giri, Pulak Ranjan

MODERN PHYSICS LETTERS A Volume: 23 Issue: 26 Pages: 2177-2188 Published: AUG 30 2008

3,973. Membrane fusion: A new function of non steroidal anti-inflammatory drugs

By: Chakraborty, Hirak; Mondal, Sutapa; Sarkar, Munna

BIOPHYSICAL CHEMISTRY Volume: 137 Issue: 1 Pages: 28-34 Published: SEP 2008

3,974. Huntington's disease: a monogenic disorder with cellular and biochemical complexities

By: Bhattacharyya, Nitai P.

FEBS JOURNAL Volume: 275 Issue: 17 Pages: 4251-4251 Published: SEP 2008

3,975. Huntington's disease: roles of huntingtin-interacting protein 1 (HIP-1) and its molecular partner HIPPI in the regulation of apoptosis and transcription

By: Bhattacharyya, Nitai P.; Banerjee, Manisha; Majumder, Pritha

FEBS JOURNAL Volume: 275 Issue: 17 Pages: 4271-4279 Published: SEP 2008

3,976. Electrochemical Reduction of Sodium 1,4-dihydroxy-9,10-anthraquinone-2-sulphonate in Aqueous and Aqueous Dimethyl Formamide Mixed Solvent: A Cyclic Voltammetric Study

By: Guin, Partha Sarathi; Das, Saurabh; Mandal, P. C.

INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 3 Issue: 9 Pages: 1016-1028  
Published: SEP 2008

3,977. The effect of collective flavor oscillations on the diffuse supernova neutrino background

By: Chakraborty, Sovan; Choubey, Sandhya; Dasgupta, Basudeb; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 9 Article Number: 013 Published:  
SEP 2008

3,978. M2-branes on a resolved C-4/Z(4)

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 071 Published: SEP 2008

3,979. Separation of no-carrier-added Tl and Pb radionuclides using poly(N-vinylpyrrolidone)

By: Lahiri, S.; Sarkar, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 277 Issue: 3 Pages: 513-516  
Published: SEP 2008

3,980. Coulomb dissociation of Li-9 and the rate of the Li-8(n, gamma)Li-9 reaction

By: Banerjee, P.; Chatterjee, R.; Shyam, R.

PHYSICAL REVIEW C Volume: 78 Issue: 3 Article Number: 035804 Published: SEP 2008

3,981. Experimental study of the 2p-2h band in Sn-111

By: Ganguly, S.; Banerjee, P.; Ray, I.; et al.

PHYSICAL REVIEW C Volume: 78 Issue: 3 Article Number: 037301 Published: SEP 2008

3,982. Density dependence of the symmetry free energy of hot nuclei

By: Samaddar, S. K.; De, J. N.; Vinas, X.; et al.

PHYSICAL REVIEW C Volume: 78 Issue: 3 Article Number: 034607 Published: SEP

3,983. Thermal instability in a gravity-like scalar theory

By: Brandt, F. T.; Das, Ashok; Frenkel, J.

PHYSICAL REVIEW D Volume: 78 Issue: 6 Article Number: 065030 Published: SEP 2008

3,984. Origin of the geometric tachyon

By: Das, Ashok; Panda, Sudhakar; Roy, Shibaji

PHYSICAL REVIEW D Volume: 78 Issue: 6 Article Number: 061901 Published: SEP 2008

3,985. Relaxation of bimolecular layer films on water surfaces

By: Kundu, S.; Datta, A.; Hazra, S.

LANGMUIR Volume: 24 Issue: 17 Pages: 9386-9391 Published: SEP 2 2008

3,986. One-dimensional anyons with competing delta-function and derivative delta-function potentials

By: Batchelor, M. T.; Guan, X-W; Kundu, A.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 41 Issue: 35 Article Number: 352002 Published: SEP 5 2008

3,987. Role of initial surface roughness on ion induced surface morphology

By: Karmakar, P.; Mollick, S. A.; Ghose, D.; et al.

APPLIED PHYSICS LETTERS Volume: 93 Issue: 10 Article Number: 103102 Published: SEP 8 2008

3,988. Lithium isotopes beyond the drip line

By: Aksyutina, Yu.; Johansson, H. T.; Adrich, P.; et al.

PHYSICS LETTERS B Volume: 666 Issue: 5 Pages: 430-434 Published: SEP 11 2008

3,989. Anomalous transport properties of Co-site impurity doped  $\text{Na}_x\text{CoO}_2$

By: Mandal, P.

JOURNAL OF APPLIED PHYSICS Volume: 104 Issue: 6 Article Number: 063902 Published: SEP 15 2008

3,990.

Time-resolved Fourier transform infrared emission spectroscopy of laser ablation products

By: Kawaguchi, K.; Sanechika, N.; Nishimura, Y.; et al.

CHEMICAL PHYSICS LETTERS Volume: 463 Issue: 1-3 Pages: 38-41 Published: SEP 22 2008

3,991. Cyanometallate incorporated supramolecular networks based on a nitroalkyl-substituted  $(\text{CuN}_4)\text{-N-II}$  precursor: Synthesis, crystal structure, thermal and electrochemical studies

By: Ray, Ambarish; Mandal, Parikshit Chandra; Jana, Atish Dipankar; et al.

POLYHEDRON Volume: 27 Issue: 14 Pages: 3112-3122 Published: SEP 29

3,992. In situ gamma-radiation: One-step environmentally benign method to produce gold-palladium bimetallic nanoparticles

By: Roy, Kamalika; Lahiri, Susanta

ANALYTICAL CHEMISTRY Volume: 80 Issue: 19 Pages: 7504-7507 Published: OCT 1 2008

3,993. Modeling wealth distribution in growing markets

By: Basu, Urna; Mohanty, P. K.

EUROPEAN PHYSICAL JOURNAL B Volume: 65 Issue: 4 Pages: 585-589 Published: OCT 2008

3,994. The non-commutative oscillator, symmetry and the Landau problem

By: Giri, Pulak Ranjan; Roy, P.

EUROPEAN PHYSICAL JOURNAL C Volume: 57 Issue: 4 Pages: 835-839 Published: OCT 2008

3,995. Thermal and non-thermal fluctuations in active polar gels

By: Basu, A.; Joanny, J. F.; Juelicher, F.; et al.

EUROPEAN PHYSICAL JOURNAL E Volume: 27 Issue: 2 Pages: 149-160 Published: OCT 2008

3,996. Inequivalent quantization in the field of a ferromagnetic wire

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 47 Issue: 10 Pages: 2583-2590

Published: OCT 2008

3,997. Changing Solitons in Classical & Quantum Integrable Defect and Variable Mass Sine-Gordon Model

By: Kundu, Anjan

JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS Volume: 15 Supplement: 3 Pages: 237-250

Published: OCT 2008

3,998. Bulk viscosity and r-modes of neutron stars

By: Chatterjee, Debarati; Bandyopadhyay, Debades

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 35 Issue: 10 Article Number: 104078 Published: OCT 2008

3,999. Quenching of light hadrons at RHIC in a collisional energy loss scenario

By: Roy, Pradip; Alam, Jan-e; Dutt-Mazumder, Abhee K.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 35 Issue: 10 Article Number: 104047 Published: OCT 2008

4,000. Rare-earth elemental analysis of banded iron-formations by instrumental neutron activation analysis

By: Nayak, P. K.; Wierczinski, B.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 278 Issue: 1 Pages: 179-184 Published: OCT 2008

4,001. The tunable bistable and multistable memory effect in polymer nanowires

By: Rahman, Atikur; Sanyal, Milan K.

NANOTECHNOLOGY Volume: 19 Issue: 39 Article Number: 395203 Published: OCT 1 2008

4,002. Computation of 3D electrostatic weighting field in Resistive Plate Chambers

By: Majumdar, N.; Mukhopadhyay, S.; Bhattacharya, S.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 595 Issue: 2 Pages: 346-352 Published: OCT 1 2008

4,003. Nuclear equation of state at high baryonic density and compact star constraints

By: Basu, D. N.; Chowdhury, P. Roy; Samanta, C.

NUCLEAR PHYSICS A Volume: 811 Issue: 1-2 Pages: 140-157 Published: OCT 1 2008

4,004. Crystalline electric field effects in PrNi<sub>2</sub>B<sub>2</sub>C: Inelastic neutron scattering

By: Mazumdar, Chandan; Rotter, M.; Frontzek, M.; et al.

PHYSICAL REVIEW B Volume: 78 Issue: 14 Article Number: 144422 Published: OCT 2008

4,005. rho-omega mixing and spin dependent charge-symmetry violating potential

By: Biswas, Subhrajyoti; Roy, Pradip; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 78 Issue: 4 Article Number: 045207 Published: OCT 2008

4,006. Gamow-Teller strengths in Na-24 using the Mg-24(t,He-3) reaction at 115A MeV

By: Howard, M. E.; Zegers, R. G. T.; Austin, Sam M.; et al.

PHYSICAL REVIEW C Volume: 78 Issue: 4 Article Number: 047302 Published: OCT 2008

4,007. Nonzero U-e3, CP violation, and leptogenesis in a seesaw type softly broken A(4) symmetric model

By: Adhikary, Biswajit; Ghosal, Ambar

PHYSICAL REVIEW D Volume: 78 Issue: 7 Article Number: 073007 Published: OCT

4,008. Radiative corrections to the lightest neutral Higgs mass in warped supersymmetry

By: Bhattacharyya, Gautam; Majee, Swarup Kumar; Ray, Tirtha Sankar

PHYSICAL REVIEW D Volume: 78 Issue: 7 Article Number: 071701 Published: OCT 2008

4,009. Zero-temperature dynamics in the two-dimensional axial next-nearest-neighbor Ising model

By: Biswas, Soham; Chandra, Anjan Kumar; Sen, Parongama

PHYSICAL REVIEW E Volume: 78 Issue: 4 Article Number: 041119 Part: 1 Published: OCT 2008

4,010. Crystal structure analysis of NP24-I: a thaumatin-like protein

By: Ghosh, Raka; Chakrabarti, Chandana

PLANTA Volume: 228 Issue: 5 Pages: 883-890 Published: OCT 2008

4,011. Quantum transport through finite width mesoscopic ring: Enhancement of the current amplitude with the increase of the edge disorder strength in the limit of strong disorder

By: Maiti, Santanu K.

SOLID STATE SCIENCES Volume: 10 Issue: 10 Pages: 1456-1460 Published: OCT 2008

4,012. Interaction with Al and Zn induces structure formation and aggregation in natively unfolded caseins

By: Chakraborty, Asima; Basak, Soumen

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 93 Issue: 1 Pages: 36-43

Published: OCT 16 2008

4,013. DFT-UX3LYP Studies on the Coordination Chemistry of Ni<sup>2+</sup>. Part 1: Six Coordinate

[Ni(NH<sub>3</sub>)<sub>n</sub>(H<sub>2</sub>O)<sub>(6-n)</sub>]<sup>(2+)</sup> Complexes



By: Varadwaj, Pradeep R.; Cukrowski, Ignacy; Marques, Helder M.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 112 Issue: 42 Pages: 10657-10666 Published: OCT 23 2008

4,014. Spontaneous Spin Accumulation in Singlet-Triplet Josephson Junctions

By: Sengupta, K.; Yakovenko, Victor M.

PHYSICAL REVIEW LETTERS Volume: 101 Issue: 18 Article Number: 187003 Published: OCT 31 2008

4,015. Nuclear half-lives for alpha-radioactivity of elements with  $100 \leq Z \leq 130$

By: Chowdhury, P. Roy; Samanta, C.; Basu, D. N.

ATOMIC DATA AND NUCLEAR DATA TABLES Volume: 94 Issue: 6 Pages: 781-806 Published: NOV 2008

4,016. Electronic properties of nano-graphene sheets calculated using quantum chemical DFT

By: Banerjee, Sangam; Bhattacharyya, Dhananjay

COMPUTATIONAL MATERIALS SCIENCE Volume: 44 Issue: 1 Pages: 41-45 Published: NOV 2008

4,017. Negative temperature coefficient of resistance in a crystalline compound

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.

EPL Volume: 84 Issue: 4 Article Number: 47007 Published: NOV 2008

4,018. Porous red cell ultrastructure and loss of membrane asymmetry in a novel case of hemolytic anemia

By: Banerjee, Debasis; Saha, Sutapa; Basu, Sumanta; et al.

EUROPEAN JOURNAL OF HAEMATOLOGY Volume: 81 Issue: 5 Pages: 399-402 Published: NOV 2008

4,019. Non-perturbative renormalization-group approach to lattice models

By: Dupuis, N.; Sengupta, K.

EUROPEAN PHYSICAL JOURNAL B Volume: 66 Issue: 2 Pages: 271-278 Published: NOV 2008

4,020. Inequivalent quantizations of the rational Calogero model with a Coulomb type interaction

By: Basu-Mallick, B.; Gupta, Kumar S.; Meljanac, S.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 58 Issue: 1 Pages: 159-170 Published: NOV 2008

4,021. The rotation of ripple pattern and the shape of the collision cascade in ion sputtered thin metal films

By: Mishra, P.; Ghose, D.

JOURNAL OF APPLIED PHYSICS Volume: 104 Issue: 9 Article Number: 094305 Published: NOV 1 2008

4,022. Thermal hysteresis of some important physical properties of nanoparticles

By: Sarkar, Tapan; Roy, Shibsekhar; Bhattacharya, Jaydeep; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 327 Issue: 1 Pages: 224-232 Published: NOV 1 2008

4,023. Anomalous Quantum Diffusion in Order-Disorder Separated Double Quantum Ring: Persistent Current, Drude Weight and Related Issues

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 5 Issue: 11 Pages: 2135-2139 Published: NOV 2008

4,024. Natural colors through modified synthetic membranes : Separation performances of floral pigments from the extract of rose petals

By: Gupta, Yogesh S.; Javiya, S.; Paul, P.; et al.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 85 Issue: 11 Pages: 1134-1139 Published: NOV 2008

4,025. Ground- and excited-state proton transfer and antioxidant activity of 3-hydroxyflavone in egg yolk phosphatidylcholine liposomes: absorption and fluorescence spectroscopic studies

By: Chaudhuri, Sudip; Basu, Kaushik; Sengupta, Bidisa; et al.

LUMINESCENCE Volume: 23 Issue: 6 Pages: 397-403 Published: NOV-DEC 2008

4,026. Pro-survival effects of repetitive low-grade oxidative stress are inhibited by simultaneous exposure to Resveratrol

By: Chakraborty, Prabir Kumar; Mustafi, Soumyajit Banerjee; Raha, Sanghamitra

PHARMACOLOGICAL RESEARCH Volume: 58 Issue: 5-6 Pages: 281-289 Published: NOV-DEC 2008

4,027. Bound states in gapped graphene with impurities: Effective low-energy description of short-range interactions

By: Gupta, Kumar S.; Sen, Siddhartha

PHYSICAL REVIEW B Volume: 78 Issue: 20 Article Number: 205429 Published: NOV 2008

4,028. A simultaneous explanation of the large phase in  $B$ -s-( $B$ )over-bar(s) mixing and  $B \rightarrow \pi \pi / \pi K$  puzzles in  $R$ -parity violating supersymmetry

By: Bhattacharyya, Gautam; Chatterjee, Kalyan Brata; Nandi, Soumitra

PHYSICAL REVIEW D Volume: 78 Issue: 9 Article Number: 095005 Published: NOV 2008

4,029. Geodesic acoustic modes excited by finite beta drift waves

By: Chakrabarti, N.; Guzdar, P. N.; Kleva, R. G.; et al.

PHYSICS OF PLASMAS Volume: 15 Issue: 11 Article Number: 112310 Published: NOV 2008

4,030. An active drop counting device using condenser microphone for superheated emulsion detector

By: Das, Mala; Arya, A. S.; Marick, C.; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 79 Issue: 11 Article Number: 113301 Published: NOV 2008

- 4,031. Satellites, hypersatellites and RAE from Ti, V, Cr, Mn and Fe in photoionisation  
By: Mitra, D.; Sarkar, M.; Bhattacharya, D.; et al.  
X-RAY SPECTROMETRY Volume: 37 Issue: 6 Pages: 585-594 Published: NOV-DEC 2008
- 4,032. Dielectric relaxation and electronic structure of BaAl<sub>1/2</sub>Nb<sub>1/2</sub>O<sub>3</sub>: x-ray photoemission and nuclear magnetic resonance studies  
By: Dutta, Alo; Sinha, T. P.; Pahari, B.; et al.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 20 Issue: 44 Article Number: 445206  
Published: NOV 5 2008
- 4,033. Study of low energy Si-5(-) and Cs- implantation induced amorphization effects in Si(100)  
By: Lenka, H. P.; Joseph, B.; Kuri, P. K.; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 41 Issue: 21 Article Number: 215305  
Published: NOV 7 2008
- 4,034. PERSISTENT CURRENT IN ONE-DIMENSIONAL NON-SUPERCONDUCTING MESOSCOPIC RINGS: EFFECTS OF SINGLE HOPPING IMPURITY, IN-PLANE ELECTRIC FIELD AND FOREIGN ATOMS  
By: Maiti, Santanu K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 22 Issue: 28 Pages: 4951-4965  
Published: NOV 10 2008
- 4,035. Magnetic cluster glass behavior and grain boundary effect in Nd<sub>0.7</sub>Ba<sub>0.3</sub>MnO<sub>3</sub> nanoparticles  
By: Roy, B.; Das, S.  
JOURNAL OF APPLIED PHYSICS Volume: 104 Issue: 10 Article Number: 103915 Published: NOV 15 2008
- 4,036. Normal-state transport properties of PrFeAsO<sub>1-x</sub>Fy superconductor  
By: Bhoi, D.; Mandal, P.; Choudhury, P.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 468 Issue: 22 Pages: 2275-2278  
Published: NOV 15 2008
- 4,037. Effect of Annealing Induced Polymer Substrate Attachment on Swelling Dynamics of Ultrathin Polymer Films  
By: Mondal, Mojammel H.; Mukherjee, M.  
MACROMOLECULES Volume: 41 Issue: 22 Pages: 8753-8758 Published: NOV 25 2008
- 4,038. Surface morphology and composition of films grown by size-selected Cu nanoclusters  
By: Majumdar, Abhijit; Ganeva, Marina; Koepf, Daniel; et al.  
VACUUM Volume: 83 Issue: 4 Special Issue: SI Pages: 719-723 Published: NOV 26 2008
- 4,039. Laser Flash Photolysis and Magnetic Field Effect Studies on the Interaction of Uracil and Its Derivatives with Menadione and 9,10-Anthraquinone  
By: Bose, Adity; Basu, Samita  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 112 Issue: 47 Pages: 12045-12053 Published: NOV 27 2008

4,040. Production of Mo-93m through Y-nat(Li-7, 3n) reaction and subsequent studies on separation and extraction behaviour of no-carrier-added Mo-93m from an yttrium target

By: Nayak, Dalia; Lahiri, Susanta

APPLIED RADIATION AND ISOTOPES Volume: 66 Issue: 12 Pages: 1793-1798 Published: DEC 2008

4,041. Complexation study on no-carrier-added astatine with insulin: A candidate radiopharmaceutical

By: Lahiri, Susanta; Roy, Kamalika; Sen, Souvik

APPLIED RADIATION AND ISOTOPES Volume: 66 Issue: 12 Pages: 1901-1904 Published: DEC 2008

4,042. Bacterial exotoxins downregulate cathelicidin (hCAP-18/LL-37) and human beta-defensin 1 (HBD-1) expression in the intestinal epithelial cells

By: Chakraborty, Krishnendu; Ghosh, Shubhamoy; Koley, Hemanta; et al.

CELLULAR MICROBIOLOGY Volume: 10 Issue: 12 Pages: 2520-2537 Published: DEC 2008

4,043. Oxidative crosslinking, spectrin and membrane interactions of hemoglobin mixtures in HbE beta-thalassemia

By: Chakrabarti, Abhijit; Datta, Poppy; Bhattacharya, Dipankar; et al.

HEMATOLOGY Volume: 13 Issue: 6 Pages: 361-368 Published: DEC 2008

4,044. Processes Involved in the Formation of Silver Clusters on Silicon Surface

By: Bhattacharyya, S. R.; Chini, T. K.; Datta, D.; et al.

JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS Volume: 107 Issue: 6 Pages: 1009-1021  
Published: DEC 2008

4,045. Critical temperature of antikaon condensation in nuclear matter

By: Banik, Sarmistha; Greiner, Walter; Bandyopadhyay, Debades

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 065804 Published: DEC 2008

4,046. Photons from anisotropic quark-gluon plasma

By: Bhattacharya, Lusaka; Roy, Pradip

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 064904 Published: DEC 2008

4,047. Nuclear condensation and symmetry energy of dilute nuclear matter: An S-matrix approach

By: De, J. N.; Samaddar, S. K.

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 065204 Published: DEC 2008

4,048. Fusion cross sections for Li-6, Li-7+Mg-24 reactions at energies below and above the barrier

By: Ray, M.; Mukherjee, A.; Pradhan, M. K.; et al.

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 064617 Published: DEC 2008

4,049. Photoproduction of eta mesons within a coupled-channels K-matrix approach

By: Shyam, R.; Scholten, O.

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 065201 Published: DEC 2008

4,050. Measurement and analysis of energy and angular distributions of thick target neutron yields from 110 MeV F-19 on Al-27

By: Sunil, C.; Nandy, Maitreyee; Sarkar, P. K.

PHYSICAL REVIEW C Volume: 78 Issue: 6 Article Number: 064607 Published: DEC 2008

4,051. Reaching the ground state of a quantum spin glass using a zero-temperature quantum Monte Carlo method

By: Das, Arnab; Chakrabarti, Bikas K.

PHYSICAL REVIEW E Volume: 78 Issue: 6 Article Number: 061121 Part: 1 Published: DEC 2008

4,052. Resistivity saturation in PrFeAsO<sub>1-x</sub>Fy superconductor: evidence of strong electron-phonon coupling

By: Bhoi, D.; Mandal, P.; Choudhury, P.

SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 21 Issue: 12 Article Number: 125021  
Published: DEC 2008

4,053. Exact accelerating solitons in nonholonomic deformation of the KdV equation with a two-fold integrable hierarchy

By: Kundu, Anjan

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 41 Issue: 49 Article Number: 495201  
Published: DEC 12 2008

4,054. Comparative studies of magnetocaloric effect and magnetotransport behavior in GdRu<sub>2</sub>Si<sub>2</sub> compound

By: Samanta, Tapas; Das, I.; Banerjee, S.

JOURNAL OF APPLIED PHYSICS Volume: 104 Issue: 12 Article Number: 123901 Published: DEC 15 2008

4,055. Purification of helium from natural gas by pressure swing adsorption

By: Das, Nisith K.; Chaudhuri, Hirok; Bhandari, Rakesh K.; et al.

CURRENT SCIENCE Volume: 95 Issue: 12 Pages: 1684-1687 Published: DEC 25 2008

4,056. Ion beam induced mixing of co-sputtered Au-Ni films analyzed by Rutherford backscattering spectrometry

By: Datta, D.; Bhattacharyya, S. R.

APPLIED SURFACE SCIENCE Volume: 255 Issue: 5 Pages: 2075-2079 Part: 1 Published: DEC 30 2008

4,057. Fast Ternary and Quaternary Breakup of the Au-197+Au-197 System in Collisions at 15 MeV/nucleon

By: Skwira-Chalot, I.; Siwek-Wilczynska, K.; Wilczynski, J.; et al.

PHYSICAL REVIEW LETTERS Volume: 101 Issue: 26 Article Number: 262701 Published: DEC 31 2008

- 4,058. Ground and excited state proton transfer and antioxidant activity of 7-hydroxyflavone in model membranes: Absorption and fluorescence spectroscopic studies  
By: Chaudhuri, Sudip; Pahari, Biswapathik; Sengupta, Pradeep K.  
BIOPHYSICAL CHEMISTRY Volume: 139 Issue: 1 Pages: 29-36 Published: JAN 2009
- 4,059. Effect of initial target surface roughness on the evolution of ripple topography induced by oxygen sputtering of Al films  
By: Mishra, P.; Ghose, D.  
JOURNAL OF APPLIED PHYSICS Volume: 105 Issue: 1 Article Number: 014304 Published: JAN 1 2009
- 4,060. Fractional Periodic Persistent Current in a Twisted Normal Metal Loop: An Exact Result  
By: Maiti, Santanu K.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 6 Issue: 1 Pages: 187-191 Published: JAN 2009
- 4,061. Interaction of BSA with proflavin: A spectroscopic approach  
By: Chakraborty, Brotati; Basu, Samita  
JOURNAL OF LUMINESCENCE Volume: 129 Issue: 1 Pages: 34-39 Published: JAN 2009
- 4,062. The use of grazing incidence X-ray scattering techniques to probe chemical reactions at the liquid-liquid interface: the formation and ordering of gold nanoparticles  
By: Sanyal, Milan K.  
JOURNAL OF MATERIALS CHEMISTRY Volume: 19 Issue: 25 Pages: 4300-4306 Published: 2009
- 4,063. Self-Assembly of a Two-Dimensional Au-Nanocluster Superlattice and Its Photoluminescence Spectra  
By: Chattopadhyay, Sudeshna; Mukherjee, Rabibrata; Datta, Alokmay; et al.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 9 Issue: 1 Special Issue: SI Pages: 190-194 Published: JAN 2009
- 4,064. Induction of apoptosis by the inhibitors of poly (ADP-ribose)polymerase in HeLa cells  
By: Ghosh, Utpal; Bhattacharyya, Nitai P.  
MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 320 Issue: 1-2 Pages: 15-23 Published: JAN 2009
- 4,065. Theory of defect production in nonlinear quench across a quantum critical point  
By: Mondal, Shreyoshi; Sengupta, K.; Sen, Diptiman  
PHYSICAL REVIEW B Volume: 79 Issue: 4 Article Number: 045128 Published: JAN 2009
- 4,066. Spin-dependent Fermi liquid parameters and properties of polarized quark matter  
By: Pal, Kausik; Biswas, Subhrajyoti; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW C Volume: 79 Issue: 1 Article Number: 015205 Published: JAN 2009

4,067. Integrable nonautonomous nonlinear Schrodinger equations are equivalent to the standard autonomous equation

By: Kundu, Anjan

PHYSICAL REVIEW E Volume: 79 Issue: 1 Article Number: 015601 Part: 2 Published: JAN 2009

4,068. Electroweak symmetry breaking and beyond the Standard Model physics - A review

By: Bhattacharyya, Gautam

PRAMANA-JOURNAL OF PHYSICS Volume: 72 Issue: 1 Pages: 37-54 Published: JAN 2009

4,069. Working group report: Quantum chromodynamics sub-group

By: Mukherjee, Asmita; Basu, R.; Dahiya, H.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 72 Issue: 1 Pages: 277-283 Published: JAN 2009

4,070. Working group report: Quark gluon plasma

By: Roy, Pradip; Mohanty, Bedangadas; Balchandran, A. P.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 72 Issue: 1 Pages: 285-294 Published: JAN 2009

4,071. Alpha decay chains from superheavy nuclei

By: Samanta, C.

PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, VOL 62, NO 2 Book Series: Progress in Particle and Nuclear Physics Volume: 62 Issue: 2 Pages: 344-348 Published: 2009

4,072. Influence of Ni(II) and Fe(III) complexes of 1,2 dihydroxy 9,10 anthraquinone on the modification in calf thymus DNA upon gamma irradiation

By: Das, Saurabh; Mandal, Parikshit C.

RADIATION PHYSICS AND CHEMISTRY Volume: 78 Issue: 1 Pages: 37-41 Published: JAN 2009

4,073. Extraction of long-lived radionuclides Eu-152, Eu-154 and Cs-134 using environmentally benign aqueous biphasic system

By: Roy, K.; Paul, R.; Banerjee, B.; et al.

RADIOCHIMICA ACTA Volume: 97 Issue: 11 Pages: 637-641 Published: 2009

4,074. Production and separation of no-carrier-added Tc-93, Tc-94, Tc-95 from Be-9 activated yttrium target

By: Maiti, M.; Lahiri, S.

RADIOCHIMICA ACTA Volume: 97 Issue: 12 Pages: 663-667 Published: 2009

4,075. Extraction Behavior of Mo(VI) and W(VI) as Homologs of Sg with -Benzoinoxime

By: Fan, F. L.; Lei, F. A.; Zhang, L. N.; et al.

SOLVENT EXTRACTION AND ION EXCHANGE Volume: 27 Issue: 3 Pages: 395-407 Article Number: PII 910376381 Published: 2009

4,076. Chikungunya in West Bengal, India

By: Bandyopadhyay, Bhaswati; Pramanik, N.; De, Rajyasree; et al.

TROPICAL DOCTOR Volume: 39 Issue: 1 Pages: 59-60 Published: JAN 2009

4,077. Non-commutative supersymmetric quantum mechanics

By: Das, Ashok; Falomir, H.; Gamboa, J.; et al.

PHYSICS LETTERS B Volume: 670 Issue: 4-5 Pages: 407-415 Published: JAN 5 2009

4,078. Effect of external electric field on the charge density waves in one-dimensional Hubbard superlattices

By: Chowdhury, Jayeeta; Karmakar, S. N.; Bhattacharyya, Bibhas

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 1 Article Number: 015302

Published: JAN 7 2009

4,079. Measurement of Am-241-Be spectra (bare and Pb-covered) using TLD pairs in multi-spheres: Spectrum unfolding by different methods

By: Tripathy, S. P.; Bakshi, A. K.; Sathian, V.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 598 Issue: 2 Pages: 554-558

Published: JAN 11 2009

4,080. Colossal enhancement of magnetoresistance in La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub> thin films: possible evidence of electronic phase separation

By: Mukhopadhyay, Soumik; Das, I.; Banerjee, S.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 2 Article Number: 026017

Published: JAN 14 2009

4,081. Contribution of energy-gap in the ferromagnetic spin-wave spectrum on magnetocaloric parameters of CeRu<sub>2</sub>Ge<sub>2</sub>

By: Samanta, Tapas; Das, I.; Banerjee, S.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 2 Article Number: 026010

Published: JAN 14 2009

4,082. QUANTUM TRANSPORT THROUGH HETEROCYCLIC MOLECULES

By: Maiti, Santanu K.; Karmakar, S. N.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 23 Issue: 2 Pages: 177-187 Published:

JAN 20 2009

4,083. Gold Nanoparticles at the Liquid-Liquid Interface: X-ray Study and Monte Carlo Simulation

By: Kubowicz, Stephan; Hartmann, Markus A.; Daillant, Jean; et al.

LANGMUIR Volume: 25 Issue: 2 Pages: 952-958 Published: JAN 20 2009

4,084. BOUND STATES IN GRAPHENE

By: Gupta, Kumar S.; Sen, Siddhartha

MODERN PHYSICS LETTERS A Volume: 24 Issue: 2 Pages: 99-107 Published: JAN 20 2009

4,085. Mechanism of p300 Specific Histone Acetyltransferase Inhibition by Small Molecules

By: Arif, M.; Pradhan, Suman Kalyan; Thanuia, G. R.; et al.



JOURNAL OF MEDICINAL CHEMISTRY Volume: 52 Issue: 2 Pages: 267-277 Published: JAN 22 2009

4,086. Role of sugar in controlling reaction pattern: A comparative study with adenine and 2'-deoxyadenosine

By: Chowdhury, Aditya Bose Nee; Basu, Samita

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 201 Issue: 2-3 Pages: 197-202 Published: JAN 25 2009

4,087. Nonlinear response of radon and its progeny in spring emission

By: Das, Nisith K.; Sen, Prascanta; Bliandari, Rakesh K.; et al.

APPLIED RADIATION AND ISOTOPES Volume: 67 Issue: 2 Pages: 313-318 Published: FEB 2009

4,088. A study of three-dimensional edge and corner problems using the neBEM solver

By: Mukhopadhyay, Supratik; Majumdar, Nayana

ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS Volume: 33 Issue: 2 Pages: 105-119 Published: FEB 2009

4,089. Biorecovery of gold using cyanobacteria and an eukaryotic alga with special reference to nanogold formation - a novel phenomenon

By: Chakraborty, Nabanita; Banerjee, Anupam; Lahiri, Susanta; et al.

JOURNAL OF APPLIED PHYCOLOGY Volume: 21 Issue: 1 Pages: 145-152 Published: FEB 2009

4,090. Some physical aspects of positron annihilation tomography: A critical review

By: Ganguly, B. N.; Mondal, N. N.; Nandy, M.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 279 Issue: 2 Pages: 685-698 Published: FEB 2009

4,091. Cell cycle specific expression and nucleolar localization of human J-domain containing co-chaperon Mrj

By: Dey, Sanjib; Banerjee, Paromita; Saha, Partha

MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 322 Issue: 1-2 Pages: 137-142 Published: FEB 2009

4,092. Gamma flashes from relativistic electron-positron plasma droplets

By: Mustafa, Munshi G.; Kaempfer, B.

PHYSICAL REVIEW A Volume: 79 Issue: 2 Article Number: 020103 Published: FEB 2009

4,093. Suppression of Mn photoluminescence in ferromagnetic state of Mn-doped ZnS nanocrystals

By: Sarkar, I.; Sanyal, M. K.; Takeyama, S.; et al.

PHYSICAL REVIEW B Volume: 79 Issue: 5 Article Number: 054410 Published: FEB 2009

4,094. Theoretical approach to explore the production routes of astatine radionuclides

By: Maiti, Moumita; Lahiri, Susanta

PHYSICAL REVIEW C Volume: 79 Issue: 2 Article Number: 024611 Published: FEB 2009

- 4,095. Growth and melting of silicon supported silver nanocluster films  
By: Bhattacharyya, S. R.; Datta, D.; Shyjumon, I.; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 42 Issue: 3 Article Number: 035306 Published:  
FEB 7 2009
- 4,096. Diphoton signals in theories with large extra dimensions to NLO QCD at hadron colliders  
By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.  
PHYSICS LETTERS B Volume: 672 Issue: 1 Pages: 45-50 Published: FEB 9 2009
- 4,097. Study of Thickness Dependent Density in Ultrathin Water Soluble Polymer Films  
By: Mondal, Mojammel H.; Mukherjee, M.; Kawashima, K.; et al.  
MACROMOLECULES Volume: 42 Issue: 3 Pages: 732-736 Published: FEB 10 2009
- 4,098. QUANTIZATION OF EXCITON IN MAGNETIC FIELD BACKGROUND  
By: Giri, Pulak Ranjan; Chakrabarti, S. K.  
MODERN PHYSICS LETTERS A Volume: 24 Issue: 4 Pages: 321-329 Published: FEB 10 2009
- 4,099. Phenomenological consequences of four zero neutrino Yukawa textures  
By: Choubey, Sandhya; Rodejohann, Werner; Roy, Probir  
NUCLEAR PHYSICS B Volume: 808 Issue: 1-2 Pages: 272-291 Published: FEB 11 2009
- 4,100. Trans Hoogsteen/Sugar Edge Base Pairing in RNA. Structures, Energies, and Stabilities from  
Quantum Chemical Calculations  
By: Mladek, Arnost; Sharma, Purshotam; Mitra, Abhijit; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 113 Issue: 6 Pages: 1743-1755 Published: FEB 12  
2009
- 4,101. Structural modifications of diamond like carbon films induced by MeV nitrogen ion irradiation  
By: Mathew, S.; Bhatta, U. M.; Islam, A. K. M. Maidul; et al.  
APPLIED SURFACE SCIENCE Volume: 255 Issue: 9 Pages: 4796-4800 Published: FEB 15 2009
- 4,102. Binding of Indanocine to the Colchicine Site on Tubulin Promotes Fluorescence, and Its Binding  
Parameters Resemble Those of the Colchicine Analogue AC  
By: Das, Lalita; Gupta, Suvroma; Dasgupta, Dipak; et al.  
BIOCHEMISTRY Volume: 48 Issue: 7 Pages: 1628-1635 Published: FEB 24 2009
- 4,103. Sanguinarine Interacts with Chromatin, Modulates Epigenetic Modifications, and Transcription  
in the Context of Chromatin  
By: B, Ruthrotha Selvi; Pradhan, Suman Kalyan; Shandilya, Jayasha; et al.  
CHEMISTRY & BIOLOGY Volume: 16 Issue: 2 Pages: 203-216 Published: FEB 27 2009
- 4,104. Medium-dependent interactions of quinones with cytosine and cytidine: A laser flash photolysis  
study with magnetic field effect  
By: Bose, Adity; Basu, Samita  
BIOPHYSICAL CHEMISTRY Volume: 140 Issue: 1-3 Pages: 62-68 Published: MAR 2009

4,105. Cadmium Oxide Octahedrons and Nanowires on the Micro-Octahedrons: A Simple Solvothermal Synthesis

By: Ghoshal, Tandra; Biswas, Subhajit; Nambissan, P. M. G.; et al.

CRYSTAL GROWTH & DESIGN Volume: 9 Issue: 3 Pages: 1287-1292 Published: MAR 2009

4,106. Non-hermitian quantum mechanics in non-commutative space

By: Giri, Pulak Ranjan; Roy, P.

EUROPEAN PHYSICAL JOURNAL C Volume: 60 Issue: 1 Pages: 157-161 Published: MAR 2009

4,107. Normal-mode analysis for scalar fields in BTZ black-hole background

By: Chakrabarti, Sayan K.; Giri, Pulak Ranjan; Gupta, Kumar S.

EUROPEAN PHYSICAL JOURNAL C Volume: 60 Issue: 2 Pages: 169-173 Published: MAR 2009

4,108. Inhibition of a Zn(II)-containing enzyme, alcohol dehydrogenase, by anticancer antibiotics, mithramycin and chromomycin A(3)

By: Devi, Pukhrambam Grihanjali; Chakraborty, Prabir Kumar; Dasgupta, Dipak

JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY Volume: 14 Issue: 3 Pages: 347-359 Published: MAR 2009

4,109. Tuning of Electron Transport Through a Quantum Wire: An Exact Study

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 6 Issue: 3 Pages: 710-716 Published: MAR 2009

4,110. Albumin metal interaction: A multielemental radiotracer study

By: Banerjee, A.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 279 Issue: 3 Pages: 733-741 Published: MAR 2009

4,111. Phases and collective modes of a hardcore Bose-Fermi mixture in an optical lattice

By: Sinha, S.; Sengupta, K.

PHYSICAL REVIEW B Volume: 79 Issue: 11 Article Number: 115124 Published: MAR 2009

4,112. Suppression of complete fusion due to breakup in the reactions B-10,B-11+Bi-209

By: Gasques, L. R.; Hinde, D. J.; Dasgupta, M.; et al.

PHYSICAL REVIEW C Volume: 79 Issue: 3 Article Number: 034605 Published: MAR 2009

4,113. Dilepton production in nucleon-nucleon collisions reexamined

By: Shyam, R.; Mosel, U.

PHYSICAL REVIEW C Volume: 79 Issue: 3 Article Number: 035203 Published: MAR 2009

4,114. Production and recovery of recombinant propapain with high yield

By: Choudhury, Debi; Roy, Sumana; Chakrabarti, Chandana; et al.

PHYTOCHEMISTRY Volume: 70 Issue: 4 Pages: 465-472 Published: MAR 2009

4,115. Proper acceleration, the geometric tachyon and the dynamics of a fundamental string near Dp branes

By: Das, Ashok; Panda, Sudhakar; Roy, Shibaji

CLASSICAL AND QUANTUM GRAVITY Volume: 26 Issue: 5 Article Number: 055004 Published: MAR 7 2009

4,116. The mass hierarchy with atmospheric neutrinos at INO

By: Samanta, Abhijit

PHYSICS LETTERS B Volume: 673 Issue: 1 Pages: 37-46 Published: MAR 9 2009

4,117. SU(N) membrane B boolean AND F theory with dual-pairs

By: Singh, Harvendra

PHYSICS LETTERS B Volume: 673 Issue: 1 Pages: 68-71 Published: MAR 9 2009

4,118. An eigenvalue problem in two dimensions for an irregular boundary

By: Chakraborty, S.; Bhattacharjee, J. K.; Khastgir, S. P.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 42 Issue: 19 Article Number: 195301 Published: MAR 15 2009

4,119. Chemistry at Air/Water Interface versus Reaction in a Flask: Tuning Molecular Conformation in Thin Films

By: Mukherjee, Smita; Datta, Alokmay; Giglia, Angelo; et al.

LANGMUIR Volume: 25 Issue: 6 Pages: 3519-3528 Published: MAR 17 2009

4,120. Nonholonomic deformation of KdV and mKdV equations and their symmetries, hierarchies and integrability

By: Kundu, Anjan; Sahadevan, R.; Nalinidevi, L.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 42 Issue: 11 Article Number: 115213 Published: MAR 20 2009

4,121. Isospin Dependence of Incomplete Fusion Reactions at 25 MeV/Nucleon

By: Amorini, F.; Cardella, G.; Giuliani, G.; et al.

PHYSICAL REVIEW LETTERS Volume: 102 Issue: 11 Article Number: 112701 Published: MAR 20 2009

4,122. Structural properties of polymeric DNA from molecular dynamics simulations

By: Samanta, Sudipta; Mukherjee, Supti; Chakrabarti, Jaydeb; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 130 Issue: 11 Article Number: 115103 Published: MAR 21 2009

4,123. The structure of supersymmetry in PT symmetric quantum mechanics

By: Bazeia, D.; Das, Ashok; Greenwood, L.; et al.

PHYSICS LETTERS B Volume: 673 Issue: 4-5 Pages: 283-287 Published: MAR 30 2009

4,124. DYNAMICAL SIGNALS IN FRAGMENTATION REACTIONS: TIME SCALE DETERMINATION FROM THREE FRAGMENTS CORRELATIONS BY USING THE 4 pi CHIMERA MULTIDETECTOR

By: De Filippo, E.; Amorini, F.; Anzalone, A.; et al.

ACTA PHYSICA POLONICA B Volume: 40 Issue: 4 Pages: 1199-1207 Published: APR 2009

4,125. Interaction of Oxicam NSAIDs with lipid monolayer: Anomalous dependence on drug concentration

By: Kundu, Sarathi; Chakraborty, Hirak; Sarkar, Munna; et al.

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 70 Issue: 1 Pages: 157-161 Published: APR 1 2009

4,126. Effect of delta-9-tetrahydrocannabinol on altered antioxidative enzyme defense mechanisms and lipid peroxidation in mice testes

By: Mandal, Tapas Kumar; Das, Niladri Sekhar

EUROPEAN JOURNAL OF PHARMACOLOGY Volume: 607 Issue: 1-3 Pages: 178-187 Published: APR 1 2009

4,127. Atmospheric pressure induced atomic diffusion into solid crystal

By: Bal, J. K.; Hazra, S.

PHYSICAL REVIEW B Volume: 79 Issue: 15 Article Number: 155405 Published: APR 2009

4,128. Time-evolution growth of Ag nanolayers on differently-passivated Si(001) surfaces

By: Bal, J. K.; Hazra, S.

PHYSICAL REVIEW B Volume: 79 Issue: 15 Article Number: 155412 Published: APR 2009

4,129. As-75 NMR study of oriented CeFeAsO and CeFeAsO<sub>0.84</sub>F<sub>0.16</sub>

By: Ghoshray, A.; Pahari, B.; Majumder, M.; et al.

PHYSICAL REVIEW B Volume: 79 Issue: 14 Article Number: 144512 Published: APR 2009

4,130. Role of external and internal perturbations on the ferromagnetic phase transition in Sm<sub>0.52</sub>Sr<sub>0.48</sub>MnO<sub>3</sub>

By: Sarkar, P.; Mandal, P.; Mydeen, K.; et al.

PHYSICAL REVIEW B Volume: 79 Issue: 14 Article Number: 144431 Published: APR 2009

4,131. Unparticles in diphoton production to next-to-leading order in QCD at the LHC

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.

PHYSICAL REVIEW D Volume: 79 Issue: 7 Article Number: 075012 Published: APR 2009

4,132. Active-absorbing-state phase transition beyond directed percolation: A class of exactly solvable models

By: Basu, Urna; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 79 Issue: 4 Article Number: 041143 Part: 1 Published: APR 2009

4,133. A comparative study of astaxanthin level in mangrove species

By: Banerjee, Kakoli; Ray, Debajyoti; Basu, Samita; et al.

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION B-BIOLOGICAL SCIENCES  
Volume: 79 Pages: 135-142 Part: 2 Published: APR-JUN 2009

4,134. Determination of the depth of an etch pit through studies of diffraction rings

By: Basu, B.; Dey, S.; Maulik, A.; et al.

RADIATION MEASUREMENTS Volume: 44 Issue: 4 Pages: 359-362 Published: APR 2009

4,135. Time-reversal and parity conservation for gravitating quarks

By: Mitra, P.

CLASSICAL AND QUANTUM GRAVITY Volume: 26 Issue: 7 Article Number: 075024 Published: APR 7 2009

4,136. Fine-Grained State Counting for Black Holes in Loop Quantum Gravity

By: Ghosh, A.; Mitra, P.

PHYSICAL REVIEW LETTERS Volume: 102 Issue: 14 Article Number: 141302 Published: APR 10 2009

4,137. Nb-93 NMR study of the charge density wave state in NbSe<sub>2</sub>

By: Ghoshray, K.; Pahari, B.; Ghoshray, A.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 15 Article Number: 155701  
Published: APR 15 2009

4,138. New helium isotopic evidence of the Rajmahal volcanic plumes

By: Das, Nisith K.; Ghose, Debasis; Bhandari, Rakesh K.; et al.

CURRENT SCIENCE Volume: 96 Issue: 8 Pages: 1031-1032 Published: APR 25 2009

4,139. Observation of giant magnetoresistance and reversal of its sign upon boron filling in cubic TbPd<sub>3</sub>

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.

APPLIED PHYSICS LETTERS Volume: 94 Issue: 17 Article Number: 172509 Published: APR 27 2009

4,140. A possible mechanism of stochastic resonance in the light of an extra-classical receptive field model of retinal ganglion cells

By: Ghosh, Kuntal; Sarkar, Sandip; Bhaumik, Kamales

BIOLOGICAL CYBERNETICS Volume: 100 Issue: 5 Pages: 351-359 Published: MAY 2009

4,141. Determination of dynamic dissociation constant of chromium-poly(N-vinylpyrrolidone) complex by the radiotracer technique

By: Nayak, Dalia; Banerjee, Anupam; Ghosh, Kingshuk; et al.

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 48 Issue: 5 Pages: 672-675 Published: MAY 2009

4,142. Manojkanti Banerjee (Born: 25 May, 1930-Died: 18 February, 2006)

By: Mukhopadhyay, Atri

INDIAN JOURNAL OF PHYSICS Volume: 83 Issue: 5 Pages: 599-616 Published: MAY 2009

4,143. Spectral representation and QCD sum rules in hot nuclear matter

By: Mallik, S.; Sarkar, Sourav

INDIAN JOURNAL OF PHYSICS Volume: 83 Issue: 5 Pages: 629-643 Published: MAY 2009

4,144. Rapid thermal annealing effect on amorphous hydrocarbon film deposited by CH<sub>4</sub>/Ar dielectric barrier discharge plasma on Si wafer: Surface morphology and chemical evaluation

By: Majumdar, Abhijit; Bhattacharaya, S. R.; Hippler, Rainer

JOURNAL OF APPLIED PHYSICS Volume: 105 Issue: 9 Article Number: 094909 Published: MAY 1 2009

4,145. Persistent Current in a Mesoscopic Cylinder: Effects of Radial Magnetic Field

By: Maiti, Santanu K.; Aeenehvand, Fatemeh

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 6 Issue: 5 Pages: 1189-1193 Published: MAY 2009

4,146. M2-brane flows and the Chern-Simons level

By: Krishnan, Chethan; Maccaferri, Carlo; Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 114 Published: MAY 2009

4,147. Studies on separation of no-carrier-added W-177 from bulk lutetium

By: Nayak, D.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 280 Issue: 2 Pages: 333-337 Published: MAY 2009

4,148. Three-dimensional electrostatic field simulation of a resistive plate chamber

By: Majumdar, N.; Mukhopadhyay, S.; Bhattacharya, S.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 719-722 Published: MAY 1 2009

4,149. Cluster dynamics in RPCs-A 3D electrostatic analysis

By: Mukhopadhyay, S.; Majumdar, N.; Bhattacharya, S.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 731-734 Published: MAY 1 2009

4,150. Performances of linseed oil-free bakelite RPC prototypes with cosmic ray muons

By: Biswas, S.; Bhattacharya, S.; Bose, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 749-753 Published: MAY 1 2009

4,151. INO prototype detector and data acquisition system

By: Behere, Anita; Bhatia, M. S.; Chandratre, V. B.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 784-787  
Published: MAY 1 2009

4,152. Control system for a four-component gas mixing unit

By: Bose, S.; Biswas, S.; Saha, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 839-841  
Published: MAY 1 2009

4,153. High Voltage Power Supply for RPC detectors

By: Bose, S.; Saha, S.; Bhattacharya, S.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 602 Issue: 3 Pages: 842-844  
Published: MAY 1 2009

4,154. Morphological evolution of films composed of energetic and size-selected silver nanocluster ions

By: Bhattacharyya, S. R.; Datta, D.; Chini, T. K.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH  
MATERIALS AND ATOMS Volume: 267 Issue: 8-9 Pages: 1432-1435 Published: MAY 1 2009

4,155. Measuring the isotropization time of quark-gluon plasma from direct photons at energies available at the BNL Relativistic Heavy Ion Collider (RHIC)

By: Bhattacharya, Lusaka; Roy, Pradip

PHYSICAL REVIEW C Volume: 79 Issue: 5 Article Number: 054910 Published: MAY 2009

4,156. Seven-quasiparticle bands in Ce-139

By: Chanda, Somen; Bhattacharjee, Tumpa; Bhattacharyya, Sarmishtha; et al.

PHYSICAL REVIEW C Volume: 79 Issue: 5 Article Number: 054332 Published: MAY 2009

4,157. Sharp change-over from compound nuclear fission to quasifission

By: Ghosh, T. K.; Banerjee, K.; Bhattacharya, C.; et al.

PHYSICAL REVIEW C Volume: 79 Issue: 5 Article Number: 054607 Published: MAY 2009

4,158. Scattering effects on nuclear thermodynamic observables

By: Samaddar, S. K.; De, J. N.

PHYSICAL REVIEW C Volume: 79 Issue: 5 Article Number: 051602 Published: MAY 2009

4,159. Stable configurations of hybrid stars with color-flavor-locked core

By: Agrawal, B. K.; Dhiman, Shashi K.

PHYSICAL REVIEW D Volume: 79 Issue: 10 Article Number: 103006 Published: MAY 2009

4,160. Nonlocal analysis of the excitation of the geodesic acoustic mode by drift waves

By: Guzdar, P. N.; Kleva, R. G.; Chakrabarti, N.; et al.



PHYSICS OF PLASMAS Volume: 16 Issue: 5 Article Number: 052514 Published: MAY 2009

4,161. Electric field distribution and simulation of avalanche formation due to the passage of heavy ions in a parallel grid avalanche counter

By: Kanjilal, D.; Saha, S.

PRAMANA-JOURNAL OF PHYSICS Volume: 72 Issue: 5 Pages: 833-844 Published: MAY 2009

4,162. Intermediate valency of Eu in a cubic intermetallic compound  $\text{Ce}_{0.5}\text{Eu}_{0.5}\text{Pd}_3$

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.

APPLIED PHYSICS LETTERS Volume: 94 Issue: 18 Article Number: 182503 Published: MAY 4 2009

4,163. Low temperature conductivity in ferromagnetic manganite thin films: quantum corrections and inter-granular transport

By: Mukhopadhyay, Soumik; Das, I.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 18 Article Number: 186004

Published: MAY 6 2009

4,164. Exactly solvable D-N-type quantum spin models with long-range interaction

By: Basu-Mallick, B.; Finkel, F.; Gonzalez-Lopez, A.

NUCLEAR PHYSICS B Volume: 812 Issue: 3 Pages: 402-423 Published: MAY 11 2009

4,165. Probing warped extra dimension via  $gg \rightarrow h$  and  $h \rightarrow \gamma\gamma$  at LHC

By: Bhattacharyya, Gautam; Ray, Tirtha Sankar

PHYSICS LETTERS B Volume: 675 Issue: 2 Pages: 222-225 Published: MAY 11 2009

4,166. Hawking temperature and higher order calculations

By: Chatterjee, Bhramar; Mitra, P.

PHYSICS LETTERS B Volume: 675 Issue: 2 Pages: 240-242 Published: MAY 11 2009

4,167. Magnetic behavior of binary intermetallic compound  $\text{YPd}_3$

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 476 Issue: 1-2 Pages: 14-18 Published: MAY 12 2009

4,168. The Role of Intrinsically Unstructured Proteins in Neurodegenerative Diseases

By: Raychaudhuri, Swasti; Dey, Sucharita; Bhattacharyya, Nitai P.; et al.

PLOS ONE Volume: 4 Issue: 5 Article Number: e5566 Published: MAY 15 2009

4,169. Intersecting non-SUSY branes and closed string tachyon condensation

By: Lu, J. X.; Roy, Shibaji; Wang, Zhao-Long; et al.

NUCLEAR PHYSICS B Volume: 813 Issue: 1-2 Pages: 259-282 Published: MAY 21 2009

4,170. Negative pressure driven valence instability of Eu in cubic  $\text{Eu}_{0.4}\text{La}_{0.6}\text{Pd}_3$

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 21 Article Number: 216002  
Published: MAY 27 2009

4,171. Low-spin complexes of Ni<sup>2+</sup> with six NH<sub>3</sub> and H<sub>2</sub>O ligands: A DFT-RX3LYP study

By: Varadwaj, Pradeep R.; Cukrowski, Ignacy; Marques, Heider M.

JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM Volume: 902 Issue: 1-3 Pages: 21-32

Published: MAY 30 2009

4,172. Biomolecule-metal interactions: Applications in extraction and separation techniques

By: Roy, Kamalika; Ghosh, Kalpita; Banerjee, Anupam; et al.

BIOCHEMICAL ENGINEERING JOURNAL Volume: 45 Issue: 1 Pages: 82-85 Published: JUN 1 2009

4,173. A comparative study of Dirac quasinormal modes of charged black holes in higher dimensions

By: Chakrabarti, Sayan K.

EUROPEAN PHYSICAL JOURNAL C Volume: 61 Issue: 3 Pages: 477-488 Published: JUN 2009

4,174. Real-time propagators at finite temperature and chemical potential

By: Mallik, S.; Sarkar, Sourav

EUROPEAN PHYSICAL JOURNAL C Volume: 61 Issue: 3 Pages: 489-494 Published: JUN 2009

4,175. OPEN AND HIDDEN STRANGENESS PRODUCTION IN NUCLEON-NUCLEON COLLISIONS

By: Shyam, Radhey

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 18 Issue: 5-6 Special  
Issue: SI Pages: 1359-1370 Published: JUN 2009

4,176. MIXING AND DECOHERENCE TO NEAREST SEPARABLE STATES

By: Lahiri, Avijit; Ghosh, Gautam; Nag, Sankhasubhra

INTERNATIONAL JOURNAL OF QUANTUM INFORMATION Volume: 7 Issue: 4 Pages: 829-846

Published: JUN 2009

4,177. A low-GC Gram-positive Thermoanaerobacter-like bacterium isolated from an Indian hot spring  
contains Cr(VI) reduction activity both in the membrane and cytoplasm

By: Bhowmick, D. C.; Bal, B.; Chatterjee, N. S.; et al.

JOURNAL OF APPLIED MICROBIOLOGY Volume: 106 Issue: 6 Pages: 2006-2016 Published: JUN  
2009

4,178. Magnetism of crystalline and amorphous La<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub> nanoparticles

By: Bhowmik, R. N.; Poddar, Asok; Ranganathan, R.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 105 Issue: 11 Article Number: 113909 Published: JUN 1  
2009

4,179. Structural Perturbation of Chromatin by Plant Alkaloid Sanguinarine and Its Functional  
Consequences

By: Pradhan, Suman Kalyan; Selvi, Ruthrotha B.; Shandilya, Jayasha; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 26 Issue: 6 Pages: 913-913  
Meeting Abstract: 193 Published: JUN 2009

4,180. Millimeter-wave spectrum and ab initio DFT calculation of the C-gauche conformer of allyl isocyanate

By: Jaman, A. I.; Bangal, P. R.

JOURNAL OF MOLECULAR SPECTROSCOPY Volume: 255 Issue: 2 Pages: 134-138 Published: JUN 2009

4,181. Studies on bio-accumulation of Cr-51 by Piper nigrum

By: Nayak, D.; Ghosh, K.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 280 Issue: 3 Pages: 503-506  
Published: JUN 2009

4,182. Development of linseed oil-free bakelite resistive plate chambers

By: Biswas, S.; Bhattacharya, S.; Bose, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 604 Issue: 1-2 Pages: 310-313  
Published: JUN 1 2009

4,183. Structure of dipole bands in In-106

By: Deo, A. Y.; Palit, R.; Naik, Z.; et al.

PHYSICAL REVIEW C Volume: 79 Issue: 6 Article Number: 067304 Published: JUN 2009

4,184. Hyperon bulk viscosity in strong magnetic fields

By: Sinha, Monika; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 79 Issue: 12 Article Number: 123001 Published: JUN 2009

4,185. Photoproduction of hypernuclei within the quark-meson coupling model

By: Shyam, R.; Tsushima, K.; Thomas, A. W.

PHYSICS LETTERS B Volume: 676 Issue: 1-3 Pages: 51-56 Published: JUN 1 2009

4,186. Synthesis, characterization, electrical transport and magnetic properties of PEDOT-DBSA-Fe<sub>3</sub>O<sub>4</sub> conducting nanocomposite

By: De, Amitabha; Sen, Pintu; Poddar, A.; et al.

SYNTHETIC METALS Volume: 159 Issue: 11 Pages: 1002-1007 Published: JUN 2009

4,187. Ripple formation on silicon by medium energy ion bombardment

By: Chini, Tapas Kumar; Datta, Debi Prasad; Bhattacharyya, Satya Ranjan

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 22 Article Number: 224004  
Published: JUN 3 2009

4,188. Ion beam sputtering induced nanostructuring of polycrystalline metal films

By: Ghose, Debabrata

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 22 Article Number: 224001  
Published: JUN 3 2009

4,189. Magnetocaloric properties of nanocrystalline  $\text{La}_{0.125}\text{Ca}_{0.875}\text{MnO}_3$

By: Biswas, Anis; Samanta, Tapas; Banerjee, S.; et al.

APPLIED PHYSICS LETTERS Volume: 94 Issue: 23 Article Number: 233109 Published: JUN 8 2009

4,190. INVERSE SQUARE PROBLEM AND  $\text{so}(2,1)$  SYMMETRY IN NONCOMMUTATIVE SPACE

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 24 Issue: 14 Pages: 2655-2663

Published: JUN 10 2009

4,191. Negative capacitance in Wigner crystal forming polymer nanowires

By: Rahman, Atikur; Sanyal, Milan K.

APPLIED PHYSICS LETTERS Volume: 94 Issue: 24 Article Number: 242102 Published: JUN 15 2009

4,192. Band structures in near spherical Ce-138

By: Bhattacharjee, T.; Chanda, S.; Bhattacharyya, S.; et al.

NUCLEAR PHYSICS A Volume: 825 Issue: 1-2 Pages: 16-38 Published: JUN 15 2009

4,193. The Kolkata Paise Restaurant problem and resource utilization

By: Chakrabarti, Anindya Sundar; Chakrabarti, Bikas K.; Chatterjee, Arnab; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 388 Issue: 12 Pages: 2420-2426 Published: JUN 15 2009

4,194. Production and deposition of energetic metal nanocluster ions of silver on Si substrates

By: Datta, D.; Bhattacharyya, S. R.; Shyjumon, I.; et al.

SURFACE & COATINGS TECHNOLOGY Volume: 203 Issue: 17-18 Pages: 2452-2457 Published: JUN 15 2009

4,195. Photoluminescence from Si: Effect of ripple microstructures induced by argon ion irradiation

By: Chini, T. K.; Datta, D. P.; Luchhesi, U.; et al.

SURFACE & COATINGS TECHNOLOGY Volume: 203 Issue: 17-18 Pages: 2690-2693 Published: JUN 15 2009

4,196. Effect of uniaxial pressure on metal-insulator transition in  $(\text{Sm}_{1-y}\text{Nd}_y)_{0.52}\text{Sr}_{0.48}\text{MnO}_3$  single crystals

By: Murugeswari, A.; Sarkar, P.; Arumugam, S.; et al.

APPLIED PHYSICS LETTERS Volume: 94 Issue: 25 Article Number: 252506 Published: JUN 22 2009

4,197. Exploring the Mechanism of Electron Transfer between DNA and a Ternary Copper Complex

By: Dey, Debarati; Pramanik, Nikhil R.; Basu, Samita

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 113 Issue: 25 Pages: 8689-8694 Published: JUN 25 2009

- 4,198. Characterisation of Ion Implantation-induced Defects in Certain Technologically Important Materials by Positron Annihilation  
By: Nambissan, P. M. G.  
DEFENCE SCIENCE JOURNAL Volume: 59 Issue: 4 Special Issue: SI Pages: 329-341 Published: JUL 2009
- 4,199. Dynamics of path aggregation in the presence of turnover  
By: Chaudhuri, Debasish; Borowski, Peter; Mohanty, P. K.; et al.  
EPL Volume: 87 Issue: 2 Article Number: 20003 Published: JUL 2009
- 4,200. Light-charged-particle emission from hot S-32\* formed in Ne-20+C-12 reaction  
By: Dey, Aparajita; Bhattacharya, S.; Bhattacharya, C.; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 41 Issue: 1 Pages: 39-51 Published: JUL 2009
- 4,201. Quantum Transport in a Biphenyl Molecule: Effects of Magnetic Flux  $\phi$   
By: Maiti, Santanu K.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 6 Issue: 7 Pages: 1561-1565 Published: JUL 2009
- 4,202. Magnetic response of NiFe<sub>2</sub>O<sub>4</sub> nanoparticles in polymer matrix  
By: Poddar, A.; Bhowmik, R. N.; De, Amitabha; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 321 Issue: 13 Pages: 2015-2020 Published: JUL 2009
- 4,203. Pressure- and temperature-induced spin-state transition in single-crystalline La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> (x=0.10 and 0.33)  
By: Mydeen, K.; Mandal, P.; Prabhakaran, D.; et al.  
PHYSICAL REVIEW B Volume: 80 Issue: 1 Article Number: 014421 Published: JUL 2009
- 4,204. Isospin dependent properties of asymmetric nuclear matter  
By: Chowdhury, P. Roy; Basu, D. N.; Samanta, C.  
PHYSICAL REVIEW C Volume: 80 Issue: 1 Article Number: 011305 Published: JUL 2009
- 4,205. Probing dense matter in neutron stars with axial w modes  
By: Chatterjee, Debarati; Bandyopadhyay, Debades  
PHYSICAL REVIEW D Volume: 80 Issue: 2 Article Number: 023011 Published: JUL 2009
- 4,206. Deformed oscillator algebras and QFT in kappa-Minkowski spacetime  
By: Govindarajan, T. R.; Gupta, Kumar S.; Harikumar, E.; et al.  
PHYSICAL REVIEW D Volume: 80 Issue: 2 Article Number: 025014 Published: JUL 2009
- 4,207. Coherence resonance in a unijunction transistor relaxation oscillator  
By: Nurujjaman, Md.; Bhattacharya, P. S.; Iyengar, A. N. Sekar; et al.  
PHYSICAL REVIEW E Volume: 80 Issue: 1 Article Number: 015201 Part: 2 Published: JUL 2009

4,208. Nonlinear interaction of electron plasma waves with electron acoustic waves in plasmas

By: Chakrabarti, Nikhil; Sengupta, Sudip

PHYSICS OF PLASMAS Volume: 16 Issue: 7 Article Number: 072311 Published: JUL 2009

4,209. Developments in high energy theory

By: Mukhi, Sunil; Roy, Probir

PRAMANA-JOURNAL OF PHYSICS Volume: 73 Issue: 1 Special Issue: SI Pages: 3-60 Published: JUL 2009

4,210. Electron transport through honeycomb lattice ribbons with armchair edges

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 149 Issue: 25-26 Pages: 973-977 Published: JUL 2009

4,211. Effect of Pt on the superconducting and magnetic properties of ErNi<sub>2</sub>B<sub>2</sub>C

By: Mazumdar, Chandan; Gupta, L. C.; Nenkov, K.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 480 Issue: 2 Pages: 190-192 Published: JUL 8 2009

4,212. Electronic Structure and Catalytic Study of Solid Solution of GaN in ZnO

By: Mapa, Maitri; Thushara, K. S.; Saha, Biswajit; et al.

CHEMISTRY OF MATERIALS Volume: 21 Issue: 13 Pages: 2973-2979 Published: JUL 14 2009

4,213. Thermoelectric power of RFeAsO (R = Ce, Pr, Nd, Sm and Gd)

By: Poddar, Asok; Mukherjee, Sanjoy; Samanta, Tanmay; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 469 Issue: 14 Pages: 789-794 Published: JUL 15 2009

4,214. Magnetoresistance studies on RPd<sub>2</sub>Si (R = Tb, Dy, Lu) compounds

By: Rawat, R.; Kushwaha, Pallavi; Das, I.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 30 Article Number: 306003 Published: JUL 29 2009

4,215. HOLOGRAPHY, GAUGE-GRAVITY CONNECTION AND BLACK HOLE ENTROPY

By: Majumdar, Parthasarathi

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 24 Issue: 18-19 Pages: 3414-3425 Published: JUL 30 2009

4,216. Toxicity of free and various aminocarboxylic ligands sequestered copper(II) ions to Escherichia coli

By: Selvaraj, Subburaj; Saha, K. Chabita; Chakraborty, Anindita; et al.

JOURNAL OF HAZARDOUS MATERIALS Volume: 166 Issue: 2-3 Pages: 1403-1409 Published: JUL 30 2009

4,217. Pressure Induced Critical Behavior of Ferromagnetic Phase Transition in Sm-Nd-Sr Manganites

By: Sarkar, P.; Arumugam, S.; Mandal, P.; et al.

PHYSICAL REVIEW LETTERS Volume: 103 Issue: 5 Article Number: 057205 Published: JUL 31 2009

4,218. Magnetism in ordered metallic perovskite compound  $GdPd_3B_xC_{1-x}$

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 321 Issue: 15 Pages: 2311-2317

Published: AUG 2009

4,219. Immobilisation of no-carrier-added Mo-93m on a biopolymer calcium alginate: a candidate radiopharmaceutical

By: Nayak, D.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 281 Issue: 2 Pages: 181-183

Published: AUG 2009

4,220. Scaling and universality in coupled driven diffusive models

By: Basu, Abhik; Frey, Erwin

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P08013

Published: AUG 2009

4,221. Effect of disorder and isotope on the properties of a two orbital double exchange system

By: Das, A. N.; Mitra, Manidipa

PHYSICA B-CONDENSED MATTER Volume: 404 Issue: 16 Pages: 2481-2485 Published: AUG 1 2009

4,222. Magnetic field controlled electron transport in a thin cylinder

By: Maiti, Santanu K.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 41 Issue: 8 Pages: 1439-

1444 Published: AUG 2009

4,223. Ground state energy of spin polarized quark matter with correlation

By: Pal, Kausik; Biswas, Subhrajyoti; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 80 Issue: 2 Article Number: 024903 Published: AUG 2009

4,224. Dijet production at the LHC through unparticles

By: Agarwal, Neelima; Kumar, M. C.; Mathews, Prakash; et al.

PHYSICAL REVIEW D Volume: 80 Issue: 3 Article Number: 035015 Published: AUG 2009

4,225. Spectral properties of supersymmetric Polychronakos spin chain associated with AN-1 root system

By: Basu-Mallick, B.; Bondyopadhyaya, Nilanjan

PHYSICS LETTERS A Volume: 373 Issue: 32 Pages: 2831-2836 Published: AUG 3 2009

4,226. An alternative construction of the positive inner product in non-Hermitian quantum mechanics

By: Das, Ashok; Greenwood, L.

PHYSICS LETTERS B Volume: 678 Issue: 5 Pages: 504-507 Published: AUG 3 2009

4,227. Study of interaction of proflavin with triethylamine in homogeneous and micellar media: Photoinduced electron transfer probed by magnetic field effect

By: Chakraborty, Brotati; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 477 Issue: 4-6 Pages: 382-387 Published: AUG 6 2009

4,228. Formation and characterization of perpendicular mode Si ripples by glancing angle O-2(+) sputtering at room temperature

By: Mollick, S. A.; Ghose, D.

JOURNAL OF APPLIED PHYSICS Volume: 106 Issue: 4 Article Number: 044309 Published: AUG 15 2009

4,229. Observation of enhanced orbital electron-capture nuclear decay rate in a compact medium

By: Ray, A.; Das, P.; Saha, S. K.; et al.

PHYSICS LETTERS B Volume: 679 Issue: 2 Pages: 106-110 Published: AUG 17 2009

4,230. A COVARIANT APPROACH TO THE GENERALIZED MULTI-INFLATON COSMOLOGICAL PERTURBATION

By: Lahiri, Joydev; Bhattacharya, Gautam

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 24 Issue: 20-21 Pages: 3893-3916 Published: AUG 20 2009

4,231. Properties of the He-7 ground state from He-8 neutron knockout

By: Aksyutina, Yu.; Johansson, H. T.; Aumann, T.; et al.

PHYSICS LETTERS B Volume: 679 Issue: 3 Pages: 191-196 Published: AUG 24 2009

4,232. SIGNIFICANT ANOMALIES OF HELIUM, RADON AND GAMMA AHEAD OF 7.9 M CHINA EARTHQUAKE

By: Das, N. K.; Bhandari, R. K.; Ghose, D.; et al.

ACTA GEODAEITICA ET GEOPHYSICA HUNGARICA Volume: 44 Issue: 3 Pages: 357-365 Published: SEP 2009

4,233. Angular momentum non-conserving decays in isotropic media

By: Nieves, Jose F.; Pal, Palash B.

EUROPEAN PHYSICAL JOURNAL C Volume: 63 Issue: 2 Pages: 331-342 Published: SEP 2009

4,234. Millimeterwave spectrum of DC discharge produced ICN in excited vibrational states

By: Varadwaj, P. R.; Jaman, A. I.

INDIAN JOURNAL OF PHYSICS Volume: 83 Issue: 9 Pages: 1323-1331 Published: SEP 2009

4,235. Molecular mechanisms of stress response in the parasitic protozoan *Entamoeba histolytica*

By: Ghosh, A.; Dutta, S.; Ray, D.; et al.

INTERNATIONAL JOURNAL OF MEDICAL MICROBIOLOGY Volume: 299 Supplement: 46 Pages: 15-15 Published: SEP 2009

4,236. Morphology and Structural Evolution in Cobalt Stearate Langmuir-Blodgett Films



By: Mukherjee, Smita; Datta, Alokmay

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 9 Issue: 9 Pages: 5237-5242

Published: SEP 2009

4,237. Nanoparticle-Virus Complex Shows Enhanced Immunological Effect Against Baculovirus

By: Rahman, Ayesha; Biswas, Nupur; Ulrichs, Christian; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 9 Issue: 9 Pages: 5567-5571

Published: SEP 2009

4,238. Anomalous Quantum Transport in a Thin Film

By: Maiti, Santanu K.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 9 Issue: 9 Pages: 5664-5668

Published: SEP 2009

4,239. Production and separation of no-carrier-added At-208,At-209,At-210 produced from heavy ion activation on natural thallium target

By: Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 281 Issue: 3 Pages: 501-504

Published: SEP 2009

4,240. A green approach for sequential extraction of heavy metals from Li irradiated Au target

By: Lahiri, Susanta; Roy, Kamalika

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 281 Issue: 3 Pages: 531-534

Published: SEP 2009

4,241. Production of Zr-88,Zr-89 by proton induced activation of Y-nat and separation by SLX and LLX

By: Dutta, Binita; Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 281 Issue: 3 Pages: 663-667

Published: SEP 2009

4,242. Direct photon pair production at the LHC to  $O(\alpha(S))$  in TeV scale gravity models

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.

NUCLEAR PHYSICS B Volume: 818 Issue: 1-2 Pages: 28-51 Published: SEP 1 2009

4,243. Phenomenological consequences of four zero neutrino Yukawa textures (vol 808, pg 272, 2009)

By: Choubey, Sandhya; Rodejohann, Werner; Roy, Probir

NUCLEAR PHYSICS B Volume: 818 Issue: 1-2 Pages: 136-136 Published: SEP 1 2009

4,244. Entanglement production due to quench dynamics of an anisotropic XY chain in a transverse field

By: Sengupta, K.; Sen, Diptiman

PHYSICAL REVIEW A Volume: 80 Issue: 3 Article Number: 032304 Published: SEP 2009

4,245. Symmetry coefficients and incompressibility of clusterized supernova matter

By: Samaddar, S. K.; De, J. N.; Vinas, X.; et al.

PHYSICAL REVIEW C Volume: 80 Issue: 3 Article Number: 035803 Published: SEP 2009

4,246. Laws of black hole mechanics from the Holst action

By: Chatterjee, Ayan; Ghosh, Amit

PHYSICAL REVIEW D Volume: 80 Issue: 6 Article Number: 064036 Published: SEP 2009

4,247. More on the scalar-tensor BF theory

By: Singh, Harvendra

PHYSICAL REVIEW D Volume: 80 Issue: 6 Article Number: 066009 Published: SEP 2009

4,248. Direction distribution of ambient neutron dose equivalent from 20 MeV protons incident on thick Be and Cu targets

By: Sunil, C.; Shanbhag, A. A.; Nandy, M.; et al.

RADIATION PROTECTION DOSIMETRY Volume: 136 Issue: 2 Pages: 67-73 Published: SEP 2009

4,249. Development of metal nanocluster ion source based on dc magnetron plasma sputtering at room temperature

By: Majumdar, Abhijit; Koepp, Daniel; Ganeva, Marina; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 80 Issue: 9 Article Number: 095103 Published: SEP 2009

4,250. The magnetoresistance of a PrFeAsO<sub>1-x</sub>Fy superconductor

By: Bhoi, D.; Chandra, L. S. Sharath; Choudhury, P.; et al.

SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 22 Issue: 9 Article Number: 095015  
Published: SEP 2009

4,251. Inhibition of Lysine Acetyltransferase KAT3B/p300 Activity by a Naturally Occurring Hydroxynaphthoquinone, Plumbagin

By: Ravindra, Kodihalli C.; Selvi, B. Ruthrotha; Arif, Mohammed; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 284 Issue: 36 Pages: 24453-24464 Published: SEP 4 2009

4,252. Non-commutativity as a measure of inequivalent quantization

By: Giri, Pulak Ranjan

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 42 Issue: 35 Article Number: 355206 Published: SEP 4 2009

4,253. HIDDEN SCALE IN QUANTUM MECHANICS

By: Giri, Pulak Ranjan

MODERN PHYSICS LETTERS A Volume: 24 Issue: 27 Pages: 2203-2211 Published: SEP 7 2009

4,254. 90 MeV O-16 heavy-ion irradiation effects on La<sub>0.9</sub>Pb<sub>0.1</sub>MnO<sub>3</sub> single crystals

By: Babu, M. Ramesh; Han, X. F.; Mandal, P.; et al.

MATERIALS CHEMISTRY AND PHYSICS Volume: 117 Issue: 1 Pages: 113-116 Published: SEP 15 2009

4,255. Non-supersymmetric D1/D5, F/NS5 and closed string tachyon condensation

By: Lu, J. X.; Roy, Shibaji; Wang, Zhao-Long; et al.

NUCLEAR PHYSICS B Volume: 819 Issue: 1-2 Pages: 282-305 Published: SEP 21 2009

4,256. Finite temperature effective actions

By: Das, Ashok; Frenkel, J.

PHYSICS LETTERS B Volume: 680 Issue: 2 Pages: 195-198 Published: SEP 21 2009

4,257. Extraction of Hg(I), Hg(II) and methylmercury using polyethylene glycol based aqueous biphasic system

By: Roy, Kamalika; Lahiri, Susanta

APPLIED RADIATION AND ISOTOPES Volume: 67 Issue: 10 Pages: 1781-1784 Published: OCT 2009

4,258. THE STUDY OF  $\alpha$ +C-14 CLUSTER STATES OF O-18 THROUGH THE RESONANT BREAKUP REACTION C-12(O-18, C-14  $\alpha$ ) AT  $E(O-18)=94.5$  MeV

By: Adhikari, S.; Basu, C.; Behera, B. R.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 18 Issue: 9 Pages: 1917-1928 Published: OCT 2009

4,259. Evidence of disorder induced magnetic spin glass phase in Sr<sub>2</sub>FeMoO<sub>6</sub> double perovskite

By: Poddar, Asok; Bhowmik, R. N.; Muthuselvam, I. Panneer; et al.

JOURNAL OF APPLIED PHYSICS Volume: 106 Issue: 7 Article Number: 073908 Published: OCT 1 2009

4,260.  $\mu$  tau symmetry, tribimaximal mixing and four zero neutrino Yukawa textures

By: Adhikary, Biswajit; Ghosal, Ambar; Roy, Probir

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 040 Published: OCT 2009

4,261. 3D field simulation in GEM-type structures

By: Majumdar, N.; Mukhopadhyay, S.; Bhattacharya, S.

JOURNAL OF INSTRUMENTATION Volume: 4 Article Number: P10013 Published: OCT 2009

4,262. Role of sugar in controlling reaction pathways: A study with thymine and thymidine

By: Bose, Adity; Sarkar, Achintya K.; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 129 Issue: 10 Pages: 1186-1191 Published: OCT 2009

4,263. Nonlinearizing linear equations to integrable systems including new hierarchies with nonholonomic deformations

By: Kundu, Anjan

JOURNAL OF MATHEMATICAL PHYSICS Volume: 50 Issue: 10 Article Number: 102702 Published: OCT 2009

4,264. Microeconomics of the ideal gas like market models

By: Chakrabarti, Anindya S.; Chakrabarti, Bikas K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 388 Issue: 19 Pages: 4151-4158 Published: OCT 1 2009

4,265. Continuous wavelet transform based time-scale and multifractal analysis of the nonlinear oscillations in a hollow cathode glow discharge plasma

By: Nurujjaman, Md.; Narayanan, Ramesh; Iyengar, A. N. Sekar

PHYSICS OF PLASMAS Volume: 16 Issue: 10 Article Number: 102307 Published: OCT 2009

4,266. Measurement and theoretical estimation of induced activity in In-nat by high energy neutrons

By: Nandy, Maitreyee; Sarkar, P. K.; Nakao, N.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 73 Issue: 4 Pages: 669-683 Published: OCT 2009

4,267. Characterization of a novel low molecular weight sucrase from filamentous fungus *Termitomyces clypeatus*

By: Chowdhury, Sudeshna; Ghorai, Shakuntala; Banik, Samudra Prasad; et al.

PROCESS BIOCHEMISTRY Volume: 44 Issue: 10 Pages: 1075-1082 Published: OCT 2009

4,268. XOR gate response in a mesoscopic ring with embedded quantum dots

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 149 Issue: 39-40 Pages: 1623-1627 Published: OCT 2009

4,269. Quantum transport in a mesoscopic ring: Evidence of an OR gate

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 149 Issue: 39-40 Pages: 1684-1688 Published: OCT 2009

4,270. Scalar field dynamics in warped AdS(3) black hole background

By: Chakrabarti, Sayan K.; Giri, Pulak Ranjan; Gupta, Kumar S.

PHYSICS LETTERS B Volume: 680 Issue: 5 Pages: 500-505 Published: OCT 12 2009

4,271. B-11 and Pt-195 NMR study of heavy-fermion compound CePt<sub>2</sub>B<sub>2</sub>C

By: Sarkar, R.; Ghoshray, A.; Pahari, B.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 41 Article Number: 415602  
Published: OCT 14 2009

4,272. Onset Kinetics of Thermal Degradation of Ultrathin Polyacrylamide Films

By: Mukherjee, S.; Mondal, Mojammel H.; Mukherjee, M.; et al.

MACROMOLECULES Volume: 42 Issue: 20 Pages: 7889-7896 Published: OCT 27 2009

4,273. Dependence of mesoscopic growth on molecular configuration in Langmuir-Blodgett multilayers

By: Mukherjee, S.; Datta, A.

APPLIED SURFACE SCIENCE Volume: 256 Issue: 2 Pages: 380-383 Published: OCT 30 2009

- 4,274. Enhanced nonlinear optical responses in metal-glass nanocomposites  
By: Ghosh, Binita; Chakraborty, Purushottam; Singh, B. P.; et al.  
APPLIED SURFACE SCIENCE Volume: 256 Issue: 2 Pages: 389-394 Published: OCT 30 2009
- 4,275. Imaging elastic property of surfaces at nanoscale using atomic force microscope  
By: Banerjee, S.; Gayathri, N.; Dash, S.; et al.  
APPLIED SURFACE SCIENCE Volume: 256 Issue: 2 Pages: 503-507 Published: OCT 30 2009
- 4,276. Surface and interfacial structural characterization of MBE grown Si/Ge multilayers  
By: Saha, Biswajit; Sharma, Manjula; Sarma, Abhisakh; et al.  
APPLIED SURFACE SCIENCE Volume: 256 Issue: 2 Pages: 547-551 Published: OCT 30 2009
- 4,277. Formation of nanodots on oblique ion sputtered InP surfaces  
By: Som, T.; Chini, T. K.; Katharia, Y. S.; et al.  
APPLIED SURFACE SCIENCE Volume: 256 Issue: 2 Pages: 562-566 Published: OCT 30 2009
- 4,278. Structure of cyclophilin from Leishmania donovani bound to cyclosporin at 2.6 angstrom resolution: correlation between structure and thermodynamic data  
By: Venugopal, Vandavasi; Datta, Alok K.; Bhattacharyya, Dhananjay; et al.  
ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 65 Pages: 1187-1195 Part: 11 Published: NOV 2009
- 4,279. Heat stress upregulates chaperone heat shock protein 70 and antioxidant manganese superoxide dismutase through reactive oxygen species (ROS), p38MAPK, and Akt  
By: Mustafi, Soumyajit Banerjee; Chakraborty, Prabir Kumar; Dey, Rakhi Sharma; et al.  
CELL STRESS & CHAPERONES Volume: 14 Issue: 6 Pages: 579-589 Published: NOV 2009
- 4,280. Anomalous effect of biased oscillating field on the switching behaviour: Modulating friction of charge carriers in nanowires  
By: Rahman, A.; Sanyal, M. K.  
EPL Volume: 88 Issue: 4 Article Number: 47009 Published: NOV 2009
- 4,281. Magnetic frustration effect in Mn-rich Sr<sub>2</sub>Mn<sub>1-x</sub>FexMoO<sub>6</sub> system  
By: Poddar, Asok; Mazumdar, Chandan  
JOURNAL OF APPLIED PHYSICS Volume: 106 Issue: 9 Article Number: 093908 Published: NOV 1 2009
- 4,282. Electrostatics of micromesh based detectors  
By: Mukhopadhyay, S.; Majumdar, N.; Bhattacharya, S.  
JOURNAL OF INSTRUMENTATION Volume: 4 Article Number: P11004 Published: NOV 2009
- 4,283. Interaction of quinones with three pyrimidine bases: A laser flash photolysis study  
By: Bose, Adity; Basu, Samita  
JOURNAL OF LUMINESCENCE Volume: 129 Issue: 11 Pages: 1385-1389 Published: NOV 2009

- 4,284. A Mesoscopic Ring as a XNOR Gate: An Exact Result  
By: Maiti, Santanu K.  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 78 Issue: 11 Article Number: 114602  
Published: NOV 2009
- 4,285. Radial transport of the nonthermal electrons in runaway discharges in the SINP tokamak from analysis of hard x-ray fluctuations  
By: Hui, A. K.; Saha, S. K.; Chowdhury, S.; et al.  
NUCLEAR FUSION Volume: 49 Issue: 11 Article Number: 115025 Published: NOV 2009
- 4,286. Exploring the universal extra dimension at the LHC  
By: Bhattacharyya, Gautam; Datta, Anindya; Majee, Swarup Kumar; et al.  
NUCLEAR PHYSICS B Volume: 821 Issue: 1-2 Pages: 48-64 Published: NOV 1 2009
- 4,287. NAND gate response in a mesoscopic ring: an exact result  
By: Maiti, Santanu K.  
PHYSICA SCRIPTA Volume: 80 Issue: 5 Article Number: 055704 Published: NOV 2009
- 4,288. Strain-induced nonequilibrium magnetoelastic domain structure and spin reorientation of NiO(100)  
By: Mandal, Suman; Menon, Krishnakumar S. R.  
PHYSICAL REVIEW B Volume: 80 Issue: 18 Article Number: 184408 Published: NOV 2009
- 4,289. Color-singlet clustering of partons and recombination model for hadronization of quark-gluon plasma  
By: Abir, Raktim; Mustafa, Munshi G.  
PHYSICAL REVIEW C Volume: 80 Issue: 5 Article Number: 051903 Published: NOV 2009
- 4,290. Isobaric incompressibility of isospin asymmetric nuclear matter  
By: Basu, D. N.; Chowdhury, P. Roy; Samanta, C.  
PHYSICAL REVIEW C Volume: 80 Issue: 5 Article Number: 057304 Published: NOV 2009
- 4,291. Spin susceptibility of degenerate quark matter  
By: Pal, Kausik; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW C Volume: 80 Issue: 5 Article Number: 054911 Published: NOV 2009
- 4,292. Nanopattern formation in self-assembled monolayers of thiol-capped Au nanocrystals  
By: Banerjee, R.; Hazra, S.; Banerjee, S.; et al.  
PHYSICAL REVIEW E Volume: 80 Issue: 5 Article Number: 056204 Part: 2 Published: NOV 2009
- 4,293. Chemical Transformation of Crystalline Hafnium Tetrafluoride Studied by Perturbed Angular Correlation Spectroscopy  
By: Dey, Chandi Charan C.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 64  
Issue: 11 Pages: 739-744 Published: NOV 2009

4,294. Study of disorder effects in La substituted  $\text{Ca}_2\text{FeMoO}_6$  ferrimagnet using magnetic and transport measurements

By: Muthuselvam, I. Panneer; Poddar, Asok; Bhowmik, R. N.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 486 Issue: 1-2 Pages: 536-542 Published: NOV 3 2009

4,295. Pressure-induced spin reorientation in  $\text{La}_{1.2}\text{Sr}_{1.8}(\text{Mn}_{1-y}\text{Ru}_y)_2\text{O}_7$  ( $y=0$  and  $0.075$ ) single crystals

By: Mydeen, K.; Arumugam, S.; Mandal, P.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 106 Issue: 10 Article Number: 103908 Published: NOV 15 2009

4,296. A NOTE ON MATRIX MODEL WITH IR CUTOFF AND AdS/CFT

By: Dey, Tanay K.; Mukherji, Sudipta; Mukhopadhyay, Subir; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 24 Issue: 28-29 Pages: 5235-5260 Published: NOV 20 2009

4,297. Holography and drag force in thermal plasma of non-commutative Yang-Mills theories in diverse dimensions

By: Roy, Shibaji

PHYSICS LETTERS B Volume: 682 Issue: 1 Pages: 93-97 Published: NOV 23 2009

4,298. Chiral anomaly in lattice QCD with twisted mass Wilson fermion

By: De, Asit K.; Harindranath, A.; Mondal, Santanu

PHYSICS LETTERS B Volume: 682 Issue: 1 Pages: 150-154 Published: NOV 23 2009

4,299. The study of the reduced alpha-width and ANC of O-16 states through its sequential breakup

By: Adhikari, Sucheta; Basu, Chinmay

PHYSICS LETTERS B Volume: 682 Issue: 2 Pages: 216-219 Published: NOV 30 2009

4,300. Galilean anti-de-Sitter spacetime in Romans theory

By: Singh, Harvendra

PHYSICS LETTERS B Volume: 682 Issue: 2 Pages: 225-228 Published: NOV 30 2009

4,301. Preparation of diamond like carbon thin film on stainless steel and its SEM characterization

By: Kumari, Kamlesh; Banerjee, S.; Chini, T. K.; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 32 Issue: 6 Pages: 563-567 Published: DEC 2009

4,302. Studies on the formation of a complex of Cu(II) with sodium 1,4-dihydroxy-9,10-anthraquinone-2-sulphonate - An analogue of the core unit of anthracycline anticancer drugs and its interaction with calf thymus DNA

By: Guin, Partha Sarathi; Das, Saurabh; Mandal, P. C.

JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 103 Issue: 12 Pages: 1702-1710 Published: DEC 2009

4,303. Phase Diagram of the ABC Model on an Interval

By: Ayer, A.; Carlen, E. A.; Lebowitz, J. L.; et al.

JOURNAL OF STATISTICAL PHYSICS Volume: 137 Issue: 5-6 Pages: 1166-1204 Published: DEC 2009

4,304. Crossover of the dimensionality of 3d spin fluctuations in LaCoPO

By: Majumder, M.; Ghoshray, K.; Ghoshray, A.; et al.

PHYSICAL REVIEW B Volume: 80 Issue: 21 Article Number: 212402 Published: DEC 2009

4,305. Core-shell model of the vacancy concentration and magnetic behavior for antiferromagnetic nanoparticle

By: Mandal, Suman; Banerjee, S.; Menon, Krishnakumar S. R.

PHYSICAL REVIEW B Volume: 80 Issue: 21 Article Number: 214420 Published: DEC 2009

4,306. Orbital ordering in undoped manganites via a generalized Peierls instability

By: Yarlagadda, S.; Littlewood, P. B.; Mitra, M.; et al.

PHYSICAL REVIEW B Volume: 80 Issue: 23 Article Number: 235123 Published: DEC 2009

4,307. Effective actions at finite temperature

By: Das, Ashok; Frenkel, J.

PHYSICAL REVIEW D Volume: 80 Issue: 12 Article Number: 125039 Published: DEC 2009

4,308. Shear viscosity in antikaon condensed matter

By: Nandi, Rana; Banik, Sarmistha; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 80 Issue: 12 Article Number: 123015 Published: DEC 2009

4,309. NOR gate response in a double quantum ring: An exact result

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 149 Issue: 47-48 Pages: 2146-2150 Published: DEC 2009

4,310. Interaction of aurintricarboxylic acid (ATA) with four nucleic acid binding proteins DNase I, RNase A, reverse transcriptase and Taq polymerase

By: Ghosh, Utpal; Giri, Kalyan; Bhattacharyya, Nitai P.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 74 Issue: 5 Pages: 1145-1151 Published: DEC 2009

4,311. Electron transport in a double quantum ring: Evidence of an AND gate

By: Maiti, Santanu K.

PHYSICS LETTERS A Volume: 373 Issue: 48 Pages: 4470-4474 Published: DEC 7 2009

4,312. Inverse magnetocaloric effect in polycrystalline La<sub>0.125</sub>Ca<sub>0.875</sub>MnO<sub>3</sub>

By: Biswas, Anis; Samanta, Tapas; Banerjee, S.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 21 Issue: 50 Article Number: 506005 Published: DEC 16 2009



- 4,313. Non-relativistic supersymmetric Dp branes  
By: Pal, Shesansu Sekhar  
CLASSICAL AND QUANTUM GRAVITY Volume: 26 Issue: 24 Article Number: 245014 Published:  
DEC 21 2009
- 4,314. Non-Steroidal Anti-Inflammatory Drug Induced Membrane Fusion: Concentration and  
Temperature Effects  
By: Mondal, Sutapa; Sarkar, Munna  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 113 Issue: 51 Pages: 16323-16331 Published: DEC  
24 2009
- 4,315. Mechanisms of plant adaptation/memory in rice seedlings under arsenic and heat stress:  
expression of heat-shock protein gene HSP70  
By: Goswami, Alakananda; Banerjee, Rahul; Raha, Sanghamitra  
AOB PLANTS Article Number: plq023 Published: 2010
- 4,316. Separation of no-carrier-added Tc-93,Tc-94,Tc-94m,Tc-95,Tc-96 from Li-7 induced natural Zr  
target by liquid-liquid extraction  
By: Maiti, Moumita; Dutta, Binita; Lahiri, Susanta  
APPLIED RADIATION AND ISOTOPES Volume: 68 Issue: 1 Pages: 42-46 Published: JAN 2010
- 4,317. A ZERO-TEMPERATURE QUANTUM MONTE CARLO ALGORITHM AND QUANTUM SPIN GLASSES  
By: Das, Arnab; Chandra, Anjan K.; Chakrabarti, Bikas K.  
COMPUTING IN SCIENCE & ENGINEERING Volume: 12 Issue: 1 Pages: 64-72 Published: JAN-FEB  
2010
- 4,318. First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of  
the charged-particle pseudorapidity density at root s=900 GeV  
By: Aamodt, K.; Abel, N.; Abeysekera, U.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 65 Issue: 1-2 Pages: 111-125 Published: JAN 2010
- 4,319. QCD sum rule for nucleon in nuclear matter  
By: Mallik, S.; Sarkar, Sourav  
EUROPEAN PHYSICAL JOURNAL C Volume: 65 Issue: 1-2 Pages: 247-255 Published: JAN 2010
- 4,320. Characterization of RF Sputter-Deposited Ultra Thin PZT Films and Its Interface With Substrate  
By: Bose, A.; Bysakh, Sandip; Mukherjee, M.; et al.  
INTEGRATED FERROELECTRICS Volume: 120 Pages: 37-48 Published: 2010
- 4,321. Grb2-Mediated Alteration in the Trafficking of A beta PP: Insights from Grb2-AICD Interaction  
By: Raychaudhuri, Mithu; Mukhopadhyay, Debashis  
JOURNAL OF ALZHEIMERS DISEASE Volume: 20 Issue: 1 Pages: 275-292 Published: 2010

4,322. Study of neutralization kinetics in charged polymer-metal nanocomposite systems by photoemission spectroscopy

By: Mukherjee, S.; Mukherjee, M.

JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 176 Issue: 1-3  
Special Issue: SI Pages: 35-45 Published: JAN 2010

4,323. Magnetic field effect in homogeneous medium for triplet born radical ions: a way for assessment of inter-radical distance in intermolecular photoinduced electron transfer

By: Dey, Debarati; Basu, Samita

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 87 Issue: 1 Special Issue: SI Pages: 117-124  
Published: JAN 2010

4,324. Transcription regulation of caspase-1 by R393 of HIPPI and its molecular partner HIP-1

By: Banerjee, M.; Datta, M.; Majumder, P.; et al.

NUCLEIC ACIDS RESEARCH Volume: 38 Issue: 3 Pages: 878-892 Published: JAN 2010

4,325. One-dimensional organometallic V-anthracene wire and its B-N analogue: efficient half-metallic spin filters

By: Parida, Prakash; Kundu, Anasuya; Pati, Swapan K.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 12 Issue: 26 Pages: 6924-6927 Published: 2010

4,326. Growth and stability of Langmuir-Blodgett films on OH-, H-, or Br-terminated Si(001)

By: Bal, J. K.; Kundu, S.; Hazra, S.

PHYSICAL REVIEW B Volume: 81 Issue: 4 Article Number: 045404 Published: JAN 2010

4,327. Matter-induced charge-symmetry-violating N N potential

By: Biswas, Subhrajyoti; Roy, Pradip; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 81 Issue: 1 Article Number: 014006 Published: JAN 2010

4,328. Fine structure dips in the fission fragment mass distribution for the U-238(O-18,f) reaction

By: Danu, L. S.; Biswas, D. C.; Saxena, A.; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 1 Article Number: 014311 Published: JAN 2010

4,329. Associated photoproduction of K<sup>+</sup> mesons off protons within a coupled-channels K-matrix approach

By: Shyam, R.; Scholten, O.; Lenske, H.

PHYSICAL REVIEW C Volume: 81 Issue: 1 Article Number: 015204 Published: JAN 2010

4,330. Radon activity measurements around Bakreswar thermal springs

By: Chaudhuri, Hirok; Das, Nisith K.; Bhandari, Rakesh K.; et al.

RADIATION MEASUREMENTS Volume: 45 Issue: 1 Pages: 143-146 Published: JAN 2010

4,331. Production, separation and speciation of no-carrier-added Hg radionuclides using greener methodologies

By: Mandal, S.; Nayak, D.

RADIOCHIMICA ACTA Volume: 98 Issue: 1 Pages: 45-51 Published: 2010

4,332. Failure processes in elastic fiber bundles

By: Pradhan, Srutarshi; Hansen, Alex; Chakrabarti, Bikas K.

REVIEWS OF MODERN PHYSICS Volume: 82 Issue: 1 Pages: 499-555 Published: JAN-MAR 2010

4,333. CHARGED AND NEUTRAL HYPERONIC EFFECTS ON THE DRIPLINES

By: Chowdhury, P. Roy; Samanta, C.; Basu, D. N.

ROMANIAN REPORTS IN PHYSICS Volume: 62 Issue: 1 Pages: 65-98 Published: 2010

4,334. One-Dimensional Vertex Models Associated with a Class of Yangian Invariant Haldane-Shastry Like Spin Chains

By: Basu-Mallick, Bireswar; Bondyopadhyaya, Nilanjan; Hikami, Kazuhiro

SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS Volume: 6 Article Number: 091 Published: 2010

4,335. Quantum Integrable 1D anyonic Models: Construction through Braided Yang-Baxter Equation

By: Kundu, Anjan

SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS Volume: 6 Article Number: 080 Published: 2010

4,336. CONFORMAL ANOMALY IN NON-HERMITIAN QUANTUM MECHANICS

By: Giri, Pulak Ranjan

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 25 Issue: 1 Pages: 155-161 Published: JAN 10 2010

4,337. Modulation of Akt and ERK1/2 Pathways by Resveratrol in Chronic Myelogenous Leukemia (CML) Cells Results in the Downregulation of Hsp70

By: Mustafi, Soumyajit Banerjee; Chakraborty, Prabir K.; Raha, Sanghamitra

PLOS ONE Volume: 5 Issue: 1 Article Number: e8719 Published: JAN 14 2010

4,338. Equations of state and stability of color-superconducting quark matter cores in hybrid stars

By: Agrawal, B. K.

PHYSICAL REVIEW D Volume: 81 Issue: 2 Article Number: 023009 Published: JAN 15 2010

4,339. A non-equilibrium quasistationary state in an ionic liquid caused by a focused laser

By: Iguchi, Natsuki; Datta, Alokmay; Yoshikawa, Kenichi; et al.

CHEMICAL PHYSICS LETTERS Volume: 485 Issue: 1-3 Pages: 110-113 Published: JAN 18 2010

4,340. Binding of the bioflavonoid robinetin with model membranes and hemoglobin: Inhibition of lipid peroxidation and protein glycosylation

By: Chaudhuri, Sudip; Pahari, Biswapathik; Sengupta, Bidisha; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 98 Issue: 1 Pages: 12-19 Published: JAN 21 2010

4,341. Structure, Electronic Structure, Optical, and Dehydrogenation Catalytic Study of (Zn<sub>1-x</sub>In<sub>x</sub>)(O<sub>1-x</sub>N<sub>x</sub>) Solid Solution

By: Mapa, Maitri; Sivaranjani, Kumarsrinivasan; Bhange, Deu S.; et al.

CHEMISTRY OF MATERIALS Volume: 22 Issue: 2 Pages: 565-578 Published: JAN 26 2010

4,342. Crystallization and preliminary X-ray analysis of Psu, an inhibitor of the bacterial transcription terminator Rho

By: Khamrui, Susmita; Ranjan, Amitabh; Pani, Bibhusita; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION

COMMUNICATIONS Volume: 66 Pages: 204-206 Part: 2 Published: FEB 2010

4,343. LIGHT FRAGMENTS PRODUCTION AND ISOSPIN DEPENDENCES IN Sn plus Ni AND Sn plus Al CENTRAL COLLISIONS AT 25 MeV/A AND 35 MeV/A FROM REVERSE/ISOSPIN EXPERIMENTS

By: Schmidt, K.; Benisz, A.; Bubak, A.; et al.

ACTA PHYSICA POLONICA B Volume: 41 Issue: 2 Pages: 387-392 Published: FEB 2010

4,344. Effect of Environment on Photo-detachment Dynamics of Halide Ions: A Model Approach

By: Nath, Bikram; Mondal, Chandan Kumar

CHINESE JOURNAL OF CHEMICAL PHYSICS Volume: 23 Issue: 1 Pages: 30-38 Published: FEB 2010

4,345. Scattering in graphene with impurities: A low energy effective theory

By: Gupta, K. S.; Samsarov, A.; Sen, S.

EUROPEAN PHYSICAL JOURNAL B Volume: 73 Issue: 3 Pages: 389-404 Published: FEB 2010

4,346. Changes in Thermodynamic Properties of DNA Base Pairs in Protein-DNA Recognition

By: Samanta, Sudipta; Chakrabarti, Jaydeb; Bhattacharyya, Dhananjay

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 27 Issue: 4 Pages: 429-442

Published: FEB 2010

4,347. Two-fold integrable hierarchy of nonholonomic deformation of the derivative nonlinear Schrodinger and the Lenells-Fokas equation

By: Kundu, Anjan

JOURNAL OF MATHEMATICAL PHYSICS Volume: 51 Issue: 2 Article Number: 022901 Published:

FEB 2010

4,348. Nanoparticle Induced Conformational Change in DNA and Chirality of Silver Nanoclusters

By: Roy, Sarita; Basak, Soumen; Dasgupta, Anjan Kr

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 10 Issue: 2 Pages: 819-825

Published: FEB 2010

4,349. Studies on complexation of cobalt with bioligand

By: Nayak, Dalia; Mukherjee, Devdeep; Banerjee, Aparna; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 283 Issue: 2 Pages: 477-480

Published: FEB 2010

4,350. Interactions of therapeutically active plant flavonols with biological targets : Insights from fluorescence spectroscopic studies

By: Sengupta, Pradeep K.; Chaudhuri, Sudip

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 87 Issue: 2 Special Issue: SI Pages: 213-220

Published: FEB 2010

4,351. Vapor condensation growth and evolution mechanism of ZnO nanorod flower structures

By: Haldar, S. R.; Nayak, A.; Chini, T. K.; et al.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 207 Issue: 2 Pages:

364-369 Published: FEB 2010

4,352. Scaling theory of quantum breakdown in solids

By: Chakrabarti, Bikas K.; Samanta, Debashis

PHYSICAL REVIEW B Volume: 81 Issue: 5 Article Number: 052301 Published: FEB 2010

4,353. NMR study of a magnetic phase transition in  $\text{Ca}_3\text{CuNi}_2(\text{PO}_4)_4$ : A spin trimer compound

By: Ghosh, M.; Ghoshray, K.; Majumder, M.; et al.

PHYSICAL REVIEW B Volume: 81 Issue: 6 Article Number: 064409 Published: FEB 2010

4,354. New routes for production of proton-rich Tc isotopes

By: Maiti, Moumita; Lahiri, Susanta

PHYSICAL REVIEW C Volume: 81 Issue: 2 Article Number: 024603 Published: FEB 2010

4,355. Observation of fast collinear partitioning of the Au-197+Au-197 system into three and four fragments of comparable size

By: Wilczynski, J.; Skwira-Chalot, I.; Siwek-Wilczynska, K.; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 2 Article Number: 024605 Published: FEB 2010

4,356. Quantum phase transition in a disordered long-range transverse Ising antiferromagnet

By: Chandra, Anjan Kumar; Inoue, Jun-ichi; Chakrabarti, Bikas K.

PHYSICAL REVIEW E Volume: 81 Issue: 2 Article Number: 021101 Part: 1 Published: FEB 2010

4,357. Testicular toxicity in cannabis extract treated mice: association with oxidative stress and role of antioxidant enzyme systems

By: Mandal, Tapas K.; Das, Nildari S.

TOXICOLOGY AND INDUSTRIAL HEALTH Volume: 26 Issue: 1 Pages: 11-23 Published: FEB 2010

4,358. Effect of self-affine fractal characteristics of surfaces on wetting

By: Sarkar, S.; Patra, S.; Gayathri, N.; et al.

APPLIED PHYSICS LETTERS Volume: 96 Issue: 6 Article Number: 063112 Published: FEB 8 2010

4,359. Interaction of proflavin with aromatic amines in homogeneous and micellar media:

Photoinduced electron transfer probed by magnetic field effect

By: Chakraborty, Brotati; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 487 Issue: 1-3 Pages: 51-57 Published: FEB 25 2010

4,360. A Mesoscopic Ring as a NOT Gate: An Exact Result

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 7 Issue: 3 Pages: 594-599 Published: MAR 2010

4,361. Stability of a deposited liquid cluster

By: Kashtanov, P. V.; Hippler, R.; Smirnov, B. M.; et al.

JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS Volume: 110 Issue: 3 Pages: 521-528 Published: MAR 2010

4,362. Alignment of the ALICE Inner Tracking System with cosmic-ray tracks

By: Aamodt, K.; Abel, N.; Abeyssekara, U.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF INSTRUMENTATION Volume: 5 Article Number: P03003 Published: MAR 2010

4,363. Dr. Dalia Nayak Obituary

By: Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 283 Issue: 3 Pages: 591-591 Published: MAR 2010

4,364. Separation of no-carrier-added Nb-90 from proton induced natural zirconium target

By: Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 283 Issue: 3 Pages: 637-640 Published: MAR 2010

4,365. Separation of Mo-99 and Tc-99m by liquid-liquid extraction using trioctylamine as extractant

By: Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 283 Issue: 3 Pages: 661-663 Published: MAR 2010

4,366. Spatial correlations in exclusion models corresponding to the zero-range process

By: Basu, Urna; Mohanty, P. K.

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: L03006 Published: MAR 2010

4,367. Lower and upper bounds on M-shell X-ray production cross sections by heavy ions

By: Mitra, D.; Sarkar, M.; Bhattacharya, D.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 268 Issue: 5 Pages: 450-459 Published: MAR 1 2010

4,368. Isospin dependence of physical observables in Incomplete Fusion reactions at 25 MeV/nucleon

By: Lombardo, I.; Agodi, C.; Alba, R.; et al.

NUCLEAR PHYSICS A Volume: 834 Issue: 1-4 Pages: 458C-460C Published: MAR 1 2010

4,369. Small-angle x-ray scattering study of the aggregation of gold nanoparticles during formation at the toluene-water interface

By: Bera, M. K.; Sanyal, M. K.; Yang, L.; et al.

PHYSICAL REVIEW B Volume: 81 Issue: 11 Article Number: 115415 Published: MAR 2010

4,370. Magnetic properties of the spin trimer compound  $\text{Ca}_3\text{Cu}_2\text{Mg}(\text{PO}_4)_4$  from susceptibility measurements

By: Ghosh, M.; Majumder, M.; Ghoshray, K.; et al.

PHYSICAL REVIEW B Volume: 81 Issue: 9 Article Number: 094401 Published: MAR 1 2010

4,371. Asymmetric nuclear matter and neutron skin in an extended relativistic mean-field model

By: Agrawal, B. K.

PHYSICAL REVIEW C Volume: 81 Issue: 3 Article Number: 034323 Published: MAR 2010

4,372. Comment on "High spin structure of the neutron-rich nuclei I-137 and Cs-139"

By: Sarkar, S.; Sarkar, M. Saha

PHYSICAL REVIEW C Volume: 81 Issue: 3 Article Number: 039803 Published: MAR 2010

4,373. Hamiltonian light-front field theory in a basis function approach

By: Vary, J. P.; Honkanen, H.; Li, Jun; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 3 Article Number: 035205 Published: MAR 2010

4,374. Identification of a novel set of scaffolding residues that are instrumental for the inhibitory property of Kunitz (STI) inhibitors

By: Khamrui, Susmita; Majumder, Sudip; Dasgupta, Jhimli; et al.

PROTEIN SCIENCE Volume: 19 Issue: 3 Pages: 593-602 Published: MAR 2010

4,375. Identification of a Novel Inhibitor of Coactivator-associated Arginine Methyltransferase 1 (CARM1)-mediated Methylation of Histone H3 Arg-17

By: Selvi, B. Ruthrotha; Batta, Kiran; Kishore, A. Hari; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 285 Issue: 10 Pages: 7143-7152 Published: MAR 5 2010

4,376. HERWIRI1.0: MC realization of IR-improved DGLAP-CS parton showers

By: Joseph, S.; Majhi, S.; Ward, B. F. L.; et al.

PHYSICS LETTERS B Volume: 685 Issue: 4-5 Pages: 283-292 Published: MAR 8 2010

4,377. On the Role of the cis Hoogsteen: Sugar-Edge Family of Base Pairs in Platforms and Triplets-Quantum Chemical Insights into RNA Structural Biology

By: Sharma, Purshotam; Sponer, Judit E.; Sponer, Jiri; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 114 Issue: 9 Pages: 3307-3320 Published: MAR 11 2010

4,378. Electrical conduction property of molecular magnetic material- $\{\text{N}(\text{n-C}_4\text{H}_9)_4[\text{Fe}(\text{II})\text{Fe}(\text{III})(\text{C}_2\text{O}_4)_3]\}_n$ : Before and after thermal degradation

By: Bhattacharjee, A.; Bhakat, D.; Roy, M.; et al.

PHYSICA B-CONDENSED MATTER Volume: 405 Issue: 6 Pages: 1546-1550 Published: MAR 15 2010

4,379. Nanoparticle-cell surface interactions in differential biological systems

By: Datta, Alokmay; Goswami, Arunava; Das, Sumistha; et al.

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 239 Meeting Abstract: 331-COLL Published: MAR 21 2010

4,380. FERMIONIC DUAL OF ONE-DIMENSIONAL BOSONIC PARTICLES WITH DERIVATIVE DELTA FUNCTION POTENTIAL

By: Basu-Mallick, B.; Bhattacharyya, Tanaya

MODERN PHYSICS LETTERS A Volume: 25 Issue: 9 Pages: 715-725 Published: MAR 21 2010

4,381. Angle-resolved photoemission spectroscopic facility for surface electronic structure characterization

By: Mahatha, S. K.; Menon, Krishnakumar S. R.

CURRENT SCIENCE Volume: 98 Issue: 6 Pages: 759-762 Published: MAR 25 2010

4,382. Effect of Interfacial Hydrogen Bonding on the Freezing/Melting Behavior of Nanoconfined Liquids

By: Maheshwari, P.; Dutta, D.; Sharma, S. K.; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 11 Pages: 4966-4972 Published: MAR 25 2010

4,383. Density distribution for a weakly non-ideal non-uniform plasma

By: Bose, Anirban; Janaki, M. S.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 43 Issue: 12 Article Number: 125501 Published: MAR 26 2010

4,384. Magnetic quantum wire as a spin filter: An exact study

By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.

PHYSICS LETTERS A Volume: 374 Issue: 13-14 Pages: 1522-1526 Published: MAR 29 2010

4,385. Remarks on the instability of black Dp-branes

By: Lu, J. X.; Roy, Shibaji

PHYSICS LETTERS B Volume: 686 Issue: 4-5 Pages: 254-258 Published: MAR 29 2010

4,386. Thermal fragmentation of nano-size clusters on surfaces

By: Kashtanov, P. V.; Hippler, R.; Smirnov, B. M.; et al.

EPL Volume: 90 Issue: 1 Article Number: 16001 Published: APR 2010

4,387. Probing Ar ion induced nanocavities/bubbles in silicon by small-angle x-ray scattering

By: Suresh, Koppoju; Ohnuma, M.; Oba, Y.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 107 Issue: 7 Article Number: 073504 Published: APR 1 2010



4,388. Structure and Dynamics of Double Helical DNA in Torsion Angle Hyperspace: A Molecular Mechanics Approach

By: Borkar, Aditi; Ghosh, Indira; Bhattacharyya, Dhananjay

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 27 Issue: 5 Pages: 695-712

Published: APR 2010

4,389. Drag force in a hot non-relativistic, non-commutative Yang-Mills plasma

By: Panigrahi, Kamal L.; Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 003 Published: APR 2010

4,390. An alternative construction of the positive inner product for pseudo-Hermitian Hamiltonians: Examples

By: Das, Ashok; Greenwood, L.

JOURNAL OF MATHEMATICAL PHYSICS Volume: 51 Issue: 4 Article Number: 042103 Published:

APR 2010

4,391. Why pyridine containing pyrido[2,3-d]pyrimidin-7-ones selectively inhibit CDK4 than CDK2: Insights from molecular dynamics simulation

By: Mascarenhas, Nahren Manuel; Bhattacharyya, Dhananjay; Ghoshal, Nanda

JOURNAL OF MOLECULAR GRAPHICS & MODELLING Volume: 28 Issue: 7 Pages: 695-706

Published: APR 2010

4,392. Channel coupling effects on the fusion excitation functions for Si-28+Zr-90,Zr-94 in sub- and near-barrier regions

By: Kalkal, Sunil; Mandal, S.; Madhavan, N.; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 4 Article Number: 044610 Published: APR 2010

4,393. Examining the efficacy of isotope thermometry in the S-matrix approach

By: Samaddar, S. K.; De, J. N.

PHYSICAL REVIEW C Volume: 81 Issue: 4 Article Number: 041601 Published: APR 2010

4,394. New approach to parton shower Monte Carlo event generators for precision QCD theory: HERWIRI1.0(31)

By: Joseph, S.; Majhi, S.; Ward, B. F. L.; et al.

PHYSICAL REVIEW D Volume: 81 Issue: 7 Article Number: 076008 Published: APR 1 2010

4,395. Magnetocaloric effect in HoMnO<sub>3</sub> crystal

By: Midya, A.; Mandal, P.; Das, S.; et al.

APPLIED PHYSICS LETTERS Volume: 96 Issue: 14 Article Number: 142514 Published: APR 5 2010

4,396. Strong temperature and substrate effect on ZnO nanorod flower structures in modified chemical vapor condensation growth

By: Haldar, S. R.; Nayak, A.; Chini, T. K.; et al.

CURRENT APPLIED PHYSICS Volume: 10 Issue: 3 Pages: 942-946 Published: MAY 2010

- 4,397. Turbulent flow in graphene  
By: Gupta, Kumar S.; Sen, Siddhartha  
EPL Volume: 90 Issue: 3 Article Number: 34003 Published: MAY 2010
- 4,398. A phenomenological study of 5d supersymmetry  
By: Bhattacharyya, Gautam; Ray, Tirtha Sankar  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 040 Published: MAY 2010
- 4,399. Properties of static limit and rotating equilibrium sequences of compact stars: Systematic correlations and constraints  
By: Dhiman, Shashi K.; Mahajan, Gulshan; Agrawal, B. K.  
NUCLEAR PHYSICS A Volume: 836 Issue: 1-2 Pages: 183-197 Published: MAY 1 2010
- 4,400. Electron transport through a quantum interferometer: a theoretical study  
By: Maiti, Santanu K.  
PHYSICA SCRIPTA Volume: 81 Issue: 5 Article Number: 055702 Published: MAY 2010
- 4,401. Rapidity distribution of photons from an anisotropic quark-gluon plasma  
By: Bhattacharya, Lusaka; Roy, Pradip  
PHYSICAL REVIEW C Volume: 81 Issue: 5 Article Number: 054904 Published: MAY 2010
- 4,402. Symmetric and anti-symmetric Landau parameters and magnetic properties of dense quark matter  
By: Pal, Kausik; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW C Volume: 81 Issue: 5 Article Number: 054906 Published: MAY 2010
- 4,403. Band crossing in a shears band of Cd-108  
By: Roy, Santosh; Datta, Pradip; Pal, S.; et al.  
PHYSICAL REVIEW C Volume: 81 Issue: 5 Article Number: 054311 Published: MAY 2010
- 4,404. Shear wave vortex solution in a strongly coupled dusty plasma  
By: Janaki, M. S.; Chakrabarti, N.  
PHYSICS OF PLASMAS Volume: 17 Issue: 5 Article Number: 053704 Published: MAY 2010
- 4,405. Differential regulation of redox proteins and chaperones in HbE beta-thalassemia erythrocyte proteome  
By: Bhattacharya, Dipankar; Saha, Sutapa; Basu, Sumanta; et al.  
PROTEOMICS CLINICAL APPLICATIONS Volume: 4 Issue: 5 Pages: 480-488 Published: MAY 2010
- 4,406. Anomalous magnetic behavior of CuO nanoparticles  
By: Bisht, Vijay; Rajeev, K. P.; Banerjee, Sangam  
SOLID STATE COMMUNICATIONS Volume: 150 Issue: 17-18 Pages: 884-887 Published: MAY 2010

4,407. Bias dependent crossover from variable range hopping to power law characteristics in the resistivity of polymer nanowires

By: Rahman, Atikur; Sanyal, Milan K.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 22 Issue: 17 Article Number: 175301

Published: MAY 5 2010

4,408. Study of timing properties of single gap high-resistive bakelite RPC

By: Biswas, S.; Bhattacharya, S.; Bose, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 617 Issue: 1-3 Pages: 138-

140 Published: MAY 11 2010

4,409. Correlated enhancements in  $D$ -s  $\rightarrow$  lv, (g-2) of muon, and lepton flavor violating tau decays with two R-parity violating couplings

By: Bhattacharyya, Gautam; Chatterjee, Kalyan Brata; Nandi, Soumitra

NUCLEAR PHYSICS B Volume: 831 Issue: 1-2 Pages: 344-357 Published: MAY 21 2010

4,410. Traveling wave solutions of nonlinear partial differential equations

By: Bazeia, D.; Das, Ashok; Losano, L.; et al.

APPLIED MATHEMATICS LETTERS Volume: 23 Issue: 6 Pages: 681-686 Published: JUN 2010

4,411. Two-dimensional random walk in a bounded domain

By: Basu, Mahashweta; Mohanty, P. K.

EPL Volume: 90 Issue: 5 Article Number: 50005 Published: JUN 2010

4,412. Sub- and above-barrier fusion of loosely bound Li-6 with Si-28

By: Sinha, Mandira; Majumdar, H.; Basu, P.; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 44 Issue: 3 Pages: 403-410 Published: JUN 2010

4,413. STUDY OF EXOTIC BEAMS INDUCED REACTIONS IN THE REGION OF Be-11 WITH CHIMERA ARRAY

By: Amorini, F.; Anzalone, A.; Auditore, L.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 19 Issue: 5-6 Pages:

1096-1101 Published: JUN 2010

4,414. DYNAMICAL AND THERMODYNAMICAL PROPERTIES OF INCOMPLETE FUSION EVENTS AT 25 MeV/NUCLEON

By: Lombardo, I.; Agodi, C.; Alba, R.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 19 Issue: 5-6 Pages:

1170-1176 Published: JUN 2010

4,415. Ribosome: The Structure-Function Relation and a New Paradigm to the Protein Folding Problem

By: Das, Debasis; Samanta, Dibyendu; Das, Anindita; et al.

ISRAEL JOURNAL OF CHEMISTRY Volume: 50 Issue: 1 Pages: 109-116 Published: JUN 2010

4,416. Effect of hydrostatic pressure on magnetic phase transition and magnetocaloric properties of  $(\text{Sm}_{0.8}\text{Nd}_{0.2})(\text{O}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$

By: Arumugam, S.; Sarkar, P.; Mandal, P.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 107 Issue: 11 Article Number: 113904 Published: JUN 1 2010

4,417. Collective flavor oscillations of supernova neutrinos and r-process nucleosynthesis

By: Chakraborty, Sovan; Choubey, Sandhya; Goswami, Srubabati; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 6 Article Number: 007 Published: JUN 2010

4,418. Sodium 1, 4-dihydroxy-9, 10-anthraquinone-2-sulphonate interacts with calf thymus DNA in a way that mimics anthracycline antibiotics: an electrochemical and spectroscopic study

By: Guin, Partha Sarathi; Das, Saurabh; Mandal, P. C.

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY Volume: 23 Issue: 6 Pages: 477-482 Published: JUN 2010

4,419. Positron annihilation lifetime and Doppler broadening study in 50 MeV  $\text{Li}^{3+}$  ion irradiated polystyrene films

By: Ali, S. Asad; Kumar, Rajesh; Nambissan, P. M. G.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 268 Issue: 11-12 Pages: 1809-1812 Published: JUN 2010

4,420. Multi-terminal electron transport through single phenalenyl molecule: A theoretical study

By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.

ORGANIC ELECTRONICS Volume: 11 Issue: 6 Pages: 1120-1128 Published: JUN 2010

4,421. Hydrogen peroxide-induced apoptosis-like cell death in *Entamoeba histolytica*

By: Ghosh, Anupama Sardar; Dutta, Suman; Raha, Sanghamitra

PARASITOLOGY INTERNATIONAL Volume: 59 Issue: 2 Pages: 166-172 Published: JUN 2010

4,422. Improving thermostability of papain through structure-based protein engineering

By: Choudhury, Debi; Biswas, Sampa; Roy, Sumana; et al.

PROTEIN ENGINEERING DESIGN & SELECTION Volume: 23 Issue: 6 Pages: 457-467 Published: JUN 2010

4,423. Quantum transport in an array of mesoscopic rings: Effect of interface geometry

By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.

SOLID STATE COMMUNICATIONS Volume: 150 Issue: 23-24 Pages: 1056-1061 Published: JUN 2010

4,424. Altered microRNAs in *STHdh(Q111)/Hdh(Q111)* cells: miR-146a targets TBP

By: Sinha, Mithun; Ghose, Jayeeta; Das, Eashita; et al.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 396 Issue: 3 Pages: 742-747 Published: JUN 4 2010

4,425. Strong enhancement of dynamical emission of heavy fragments in the neutron-rich Sn-124+Ni-64 reaction at 35A MeV

By: Russotto, P.; De Filippo, E.; Pagano, A.; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 6 Article Number: 064605 Published: JUN 9 2010

4,426. Magnetic field effect on electron transfer reactions of acridine yellow with amines of varied structures in homogeneous medium

By: Chakraborty, Brotati; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 493 Issue: 1-3 Pages: 76-82 Published: JUN 17 2010

4,427. Production and Decay of Element 114: High Cross Sections and the New Nucleus (277)Hs

By: Duellmann, Ch. E.; Schaedel, M.; Yakushev, A.; et al.

PHYSICAL REVIEW LETTERS Volume: 104 Issue: 25 Article Number: 252701 Published: JUN 21 2010

4,428. Exchange bias in LaFeO<sub>3</sub> nanoparticles

By: Ahmadvand, Hossein; Salamati, Hadi; Kameli, Parviz; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 43 Issue: 24 Article Number: 245002

Published: JUN 23 2010

4,429. Aligned breakup of heavy nuclear systems as a new type of deep inelastic collisions at small impact parameters

By: Wilczynski, J.; Skwira-Chalot, I.; Siwek-Wilczynska, K.; et al.

PHYSICAL REVIEW C Volume: 81 Issue: 6 Article Number: 067604 Published: JUN 25 2010

4,430. pi-eta mixing and charge symmetry violating NN potential in matter

By: Biswas, Subhrajyoti; Roy, Pradip; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 81 Issue: 6 Article Number: 064002 Published: JUN 28 2010

4,431. New shell closure for neutron-rich Sn isotopes

By: Sarkar, S.; Sarkar, M. Saha

PHYSICAL REVIEW C Volume: 81 Issue: 6 Article Number: 064328 Published: JUN 29 2010

4,432. Electrochemical performances of poly(3,4-ethylenedioxythiophene)-NiFe<sub>2</sub>O<sub>4</sub> nanocomposite as electrode for supercapacitor

By: Sen, Pintu; De, Amitabha

ELECTROCHIMICA ACTA Volume: 55 Issue: 16 Pages: 4677-4684 Published: JUN 30 2010

4,433. Encapsulation of serotonin in beta-cyclodextrin nano-cavities: Fluorescence spectroscopic and molecular modeling studies

By: Chaudhuri, Sudip; Chakraborty, Sandipan; Sengupta, Pradeep K.

JOURNAL OF MOLECULAR STRUCTURE Volume: 975 Issue: 1-3 Pages: 160-165 Published: JUN 30 2010

4,434. Structure and conformational studies on dityrosine formation in the DNA binding domain of RFX5

By: Chakraborty, Madhumita; Bhattacharya, Dipankar; Mukhopadhyay, Chaitali; et al.

BIOPHYSICAL CHEMISTRY Volume: 149 Issue: 3 Pages: 92-101 Published: JUL 2010

4,435. Charged-particle multiplicity measurement in proton-proton collisions at  $\sqrt{s}=0.9$  and 2.36 TeV with ALICE at LHC

By: Aamodt, K.; Abel, N.; Abeyssekara, U.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 68 Issue: 1-2 Pages: 89-108 Published: JUL 2010

4,436. Radiation environment in low energy accelerator for astrophysical studies

By: Nandy, Maitreyee; Lahiri, Chirashree; Sarkar, P. K.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 48 Issue: 7 Special Issue: SI Pages: 478-481 Published: JUL 2010

4,437. Generalized mass formula for non-strange, strange and multiply-strange nuclear systems

By: Samanta, C.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 37 Issue: 7 Article Number: 075104 Published: JUL 2010

4,438. Ab-initio Hamiltonian approach to light nuclei and to quantum field theory

By: Vary, J. P.; Honkanen, H.; Li, Jun; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 75 Issue: 1 Special Issue: SI Pages: 39-49 Published: JUL 2010

4,439. Influence of projectile breakup on complete fusion

By: Mukherjee, A.; Pradhan, M. K.

PRAMANA-JOURNAL OF PHYSICS Volume: 75 Issue: 1 Special Issue: SI Pages: 99-107 Published: JUL 2010

4,440. The MaPLE device of Saha Institute of Nuclear Physics: Construction and its plasma aspects (vol 81, 073507, 2010)

By: Pal, Rabindranath; Biswas, Subir; Basu, Subhasis; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 81 Issue: 7 Article Number: 079901 Published: JUL 2010

4,441. The MaPLE device of Saha Institute of Nuclear Physics: Construction and its plasma aspects

By: Pal, Rabindranath; Biswas, Subir; Basu, Subhasis; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 81 Issue: 7 Article Number: 073507 Published: JUL 2010

4,442. Isospin transport effects in nuclear reactions at 25 MeV/nucleon

By: Lombardo, I.; Agodi, C.; Alba, R.; et al.

PHYSICAL REVIEW C Volume: 82 Issue: 1 Article Number: 014608 Published: JUL 12 2010

4,443. Entropy of isolated horizons revisited

By: Basu, Rudranil; Kaul, Romesh K.; Majumdar, Parthasarathi

PHYSICAL REVIEW D Volume: 82 Issue: 2 Article Number: 024007 Published: JUL 12 2010

4,444. Correlation between local structure and refractive index of e-beam evaporated (HfO<sub>2</sub>-SiO<sub>2</sub>) composite thin films

By: Das, N. C.; Sahoo, N. K.; Bhattacharyya, D.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 108 Issue: 2 Article Number: 023515 Published: JUL 15 2010

4,445. Spin glass-like behaviour in Fe-rich phases of Sr<sub>2</sub>Fe<sub>1-x</sub>Mn<sub>x</sub>MoO<sub>6</sub> (0.1 ≤ x ≤ 0.4)

By: Poddar, Asok; Mazumdar, Chandan

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 502 Issue: 1 Pages: 13-15 Published: JUL 16 2010

4,446. A brahminical culture in science

By: Mukhopadhyay, Atri

CURRENT SCIENCE Volume: 99 Issue: 2 Pages: 151-152 Published: JUL 25 2010

4,447. INTERPRETING THE BOUNDS ON SOLAR DARK MATTER INDUCED MUONS AT SUPER-KAMIOKANDE IN THE LIGHT OF CDMS RESULTS

By: Bandyopadhyay, Abhijit; Chakraborty, Sovan; Majumdar, Debasish

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 25 Issue: 18-19 Pages: 3741-3747  
Published: JUL 30 2010

4,448. NEW POSSIBILITIES FOR OBTAINING STEEPLY NONLINEAR CURRENT-VOLTAGE CHARACTERISTICS IN SOME SEMICONDUCTOR STRUCTURES

By: Sheka, D. I.; Tretyak, O. V.; Korol, A. M.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 24 Issue: 19 Pages: 3723-3734  
Published: JUL 30 2010

4,449. Statistics of the Kolkata Paise Restaurant problem

By: Ghosh, Asim; Chatterjee, Arnab; Mitra, Manipushpak; et al.

NEW JOURNAL OF PHYSICS Volume: 12 Article Number: 075033 Published: JUL 30 2010

4,450. Cloning, overexpression, purification, crystallization and preliminary X-ray analysis of CheY<sub>3</sub>, a response regulator that directly interacts with the flagellar 'switch complex' in *Vibrio cholerae*

By: Khamrui, Susmita; Biswas, Maitree; Sen, Udayaditya; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION  
COMMUNICATIONS Volume: 66 Pages: 944-947 Part: 8 Published: AUG 2010

4,451. Pionic contribution to relativistic Fermi liquid parameters

By: Pal, Kausik

CANADIAN JOURNAL OF PHYSICS Volume: 88 Issue: 8 Pages: 585-590 Published: AUG 2010

4,452. Quasi-one dimensional graphite ribbon structures in the presence of a magnetic field and the on-site Coulomb correlation at half-filling

By: Chowdhury, J.; Sil, S.; Karmakar, S. N.; et al.

EUROPEAN PHYSICAL JOURNAL B Volume: 76 Issue: 3 Pages: 435-444 Published: AUG 2010

4,453. Charged-particle multiplicity measurement in proton-proton collisions at  $\sqrt{s}=7$  TeV with ALICE at LHC

By: Aamodt, K.; Abel, N.; Abeysekara, U.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 68 Issue: 3-4 Pages: 345-354 Published: AUG 2010

4,454. Erythrocyte membrane defects and asymmetry in paroxysmal nocturnal hemoglobinuria and myelodysplastic syndrome

By: Basu, Sumanta; Banerjee, Debasis; Ghosh, Malay; et al.

HEMATOLOGY Volume: 15 Issue: 4 Pages: 236-239 Published: AUG 2010

4,455. Spin glasslike behavior and magnetic enhancement in nanosized Ni-Zn ferrite system

By: Ghosh, B.; Kumar, S.; Poddar, A.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 108 Issue: 3 Article Number: 034307 Published: AUG 1 2010

4,456. Quantum Transport in Honeycomb Lattice Ribbons with Zigzag Edges

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 7 Issue: 8 Pages: 1368-1374 Published: AUG 2010

4,457. Enhanced ferromagnetism in nano-sized  $Zn_{0.95}Mn_{0.05}O$  grains

By: Bhowmik, R. N.; Poddar, Asok; Saravanan, A.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 322 Issue: 16 Pages: 2340-2349 Published: AUG 2010

4,458. ELECTRON TRANSPORT THROUGH A QUANTUM INTERFEROMETER WITH SIDE-COUPLED QUANTUM DOTS: A THEORETICAL STUDY

By: Maiti, Santanu K.

NANO Volume: 5 Issue: 4 Pages: 237-244 Published: AUG 2010

4,459. A relativistic description of the  $A(\pi^+, K^+)(\Lambda)A$  reaction

By: Bender, S.; Shyam, R.; Lenske, H.

NUCLEAR PHYSICS A Volume: 839 Pages: 51-69 Published: AUG 1 2010

4,460. Nonlinear lower-hybrid oscillations in cold plasma

By: Maity, Chandan; Chakrabarti, Nikhil; Sengupta, Sudip

PHYSICS OF PLASMAS Volume: 17 Issue: 8 Article Number: 082306 Published: AUG 2010

4,461. Dilepton production in nucleon-nucleon collisions around 1 GeV/nucleon: A theoretical update

By: Shyam, R.; Mosel, U.



PRAMANA-JOURNAL OF PHYSICS Volume: 75 Issue: 2 Special Issue: SI Pages: 185-194 Published: AUG 2010

4,462. Heterologous expression of a thermostable plant cysteine protease in Escherichia coli both in soluble and insoluble forms

By: Dutta, Sruti; Ghosh, Raka; Dattagupta, J. K.; et al.

PROCESS BIOCHEMISTRY Volume: 45 Issue: 8 Pages: 1307-1312 Published: AUG 2010

4,463. Multi-terminal quantum transport through a single benzene molecule: Evidence of a molecular transistor

By: Maiti, Santanu K.

SOLID STATE COMMUNICATIONS Volume: 150 Issue: 29-30 Pages: 1269-1274 Published: AUG 2010

4,464. Nicotine Diminishes Testicular Gametogenesis, Steroidogenesis, and Steroidogenic Acute Regulatory Protein Expression in Adult Albino Rats: Possible Influence on Pituitary Gonadotropins and Alteration of Testicular Antioxidant Status

By: Jana, Kuladip; Samanta, Prabhat Kumar; De, Dipak Kumar

TOXICOLOGICAL SCIENCES Volume: 116 Issue: 2 Pages: 647-659 Published: AUG 2010

4,465. Rod-like ferrites obtained through thermal degradation of a molecular ferrimagnet

By: Bhattacharjee, A.; Roy, D.; Roy, M.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 503 Issue: 2 Pages: 449-453 Published: AUG 6 2010

4,466. Inclusion of chrysin in beta-cyclodextrin nanocavity and its effect on antioxidant potential of chrysin: A spectroscopic and molecular modeling approach

By: Chakraborty, Sandipan; Basu, Soumalee; Lahiri, Ansuman; et al.

JOURNAL OF MOLECULAR STRUCTURE Volume: 977 Issue: 1-3 Pages: 180-188 Published: AUG 10 2010

4,467. THE CENTRAL CHARGE OF THE WARPED AdS(3) BLACK HOLE

By: Gupta, Kumar S.; Harikumar, E.; Sen, Siddhartha; et al.

MODERN PHYSICS LETTERS A Volume: 25 Issue: 24 Pages: 2065-2070 Published: AUG 10 2010

4,468. Midrapidity Antiproton-to-Proton Ratio in pp Collisions root s=0.9 and 7 TeV Measured by the ALICE Experiment

By: Aamodt, K.; Abel, N.; Abeysekara, U.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 105 Issue: 7 Article Number: 072002 Published: AUG 12 2010

4,469. Electron spin dynamics in grain-aligned LaCoPO: An itinerant ferromagnet

By: Majumder, M.; Ghoshray, K.; Ghoshray, A.; et al.

PHYSICAL REVIEW B Volume: 82 Issue: 5 Article Number: 054422 Published: AUG 17 2010

- 4,470. Interplay between Co 3d and Ce 4f magnetism in CeCoAsO  
By: Sarkar, Rajib; Jesche, Anton; Krellner, Cornelius; et al.  
PHYSICAL REVIEW B Volume: 82 Issue: 5 Article Number: 054423 Published: AUG 17 2010
- 4,471. Geometric finiteness, holography and quasinormal modes for the warped AdS(3) black hole  
By: Gupta, Kumar S.; Harikumar, E.; Sen, Siddhartha; et al.  
CLASSICAL AND QUANTUM GRAVITY Volume: 27 Issue: 16 Article Number: 165012 Published:  
AUG 21 2010
- 4,472. Critical behavior in single-crystalline La<sub>0.67</sub>Sr<sub>0.33</sub>CoO<sub>3</sub>  
By: Khan, N.; Midya, A.; Mydeen, K.; et al.  
PHYSICAL REVIEW B Volume: 82 Issue: 6 Article Number: 064422 Published: AUG 26 2010
- 4,473. MC REALIZATION OF IR-IMPROVED DGLAP-CS PARTON SHOWERS: HERWIRI1.031  
By: Ward, B. F. L.; Joseph, S.; Majhi, S.; et al.  
MODERN PHYSICS LETTERS A Volume: 25 Issue: 26 Pages: 2207-2214 Published: AUG 30 2010
- 4,474. Experimental lifetimes of some levels belonging to the 4p (4)5p configuration of KrII using the cascade-photon-coincidence technique  
By: Karmakar, S.; Das, M. B.  
EUROPEAN PHYSICAL JOURNAL D Volume: 59 Issue: 3 Pages: 361-365 Published: SEP 2010
- 4,475. Direct detection of WIMPs: implications of a self-consistent truncated isothermal model of the Milky Way's dark matter halo  
By: Chaudhury, Soumini; Bhattacharjee, Pijushpani; Cowsik, Ramanath  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 9 Article Number: 020 Published:  
SEP 2010
- 4,476. Inequality reversal: Effects of the savings propensity and correlated returns  
By: Chakrabarti, Anindya S.; Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 389 Issue: 17 Pages: 3572-  
3579 Published: SEP 1 2010
- 4,477. Berry phase and fidelity susceptibility of the three-qubit Lipkin-Meshkov-Glick ground state  
By: Sjoqvist, Erik; Rahaman, Ramij; Basu, Urna; et al.  
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 43 Issue: 35 Article Number:  
354026 Published: SEP 3 2010
- 4,478. Energy and momentum relaxation of heavy fermion in dense and warm plasma  
By: Sarkar, Sreemoyee; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW D Volume: 82 Issue: 5 Article Number: 056003 Published: SEP 7 2010
- 4,479. Two-pion Bose-Einstein correlations in pp collisions at root s=900 GeV  
By: Aamodt, K.; Abel, N.; Abeysekara, U.; et al.

Group Author(s): Alice Collaboration

PHYSICAL REVIEW D Volume: 82 Issue: 5 Article Number: 052001 Published: SEP 9 2010

4,480. Reappraisal of spontaneous R-parity violation

By: Bhattacharyya, Gautam; Pal, Palash B.

PHYSICAL REVIEW D Volume: 82 Issue: 5 Article Number: 055013 Published: SEP 14 2010

4,481. Transverse momentum spectra of charged particles in proton-proton collisions at root s=900 GeV with ALICE at the LHC

By: Aamodt, K.; Abel, N.; Abeyssekara, U.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 693 Issue: 2 Pages: 53-68 Published: SEP 27 2010

4,482. Species dependent studies of no-carrier-added Mo-93m: A green method

By: Mandal, Swadesh; Nayak, Dalia

APPLIED RADIATION AND ISOTOPES Volume: 68 Issue: 10 Pages: 1892-1895 Published: OCT 2010

4,483. Mechanism of interaction of small transcription inhibitors with DNA in the context of chromatin and telomere

By: Ghosh, Saptarni; Majumder, Parijat; Pradhan, Suman Kalyan; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENE REGULATORY MECHANISMS Volume: 1799 Issue: 10-12 Special Issue: SI Pages: 795-809 Published: OCT-DEC 2010

4,484. DNA binding domain of RFX5: Interactions with X-box DNA and RFXANK

By: Chakraborty, Madhumita; Sengupta, Amitava; Bhattacharya, Dipankar; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1804 Issue: 10 Pages: 2016-2024 Published: OCT 2010

4,485. Constraints on the quantum gravity scale from kappa-Minkowski spacetime

By: Borowiec, A.; Gupta, Kumar S.; Meljanac, S.; et al.

EPL Volume: 92 Issue: 2 Article Number: 20006 Published: OCT 2010

4,486. Photons from jet-plasma interaction in relativistic heavy ion collisions

By: Bhattacharya, Lusaka; Roy, Pradip

EUROPEAN PHYSICAL JOURNAL C Volume: 69 Issue: 3-4 Pages: 445-453 Published: OCT 2010

4,487. Eryptosis in hereditary spherocytosis and thalassemia: role of glycoconjugates

By: Basu, Sumanta; Banerjee, Debasis; Chandra, Sarmila; et al.

GLYCOCONJUGATE JOURNAL Volume: 27 Issue: 7-9 Pages: 717-722 Published: OCT 2010

4,488. Spin glasslike behavior and magnetic enhancement in nanosized NiZn ferrite system (vol 108, 034307, 2010)

By: Ghosh, B.; Kumar, S.; Poddar, A.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 108 Issue: 7 Article Number: 079905 Published: OCT 1 2010

- 4,489. Jet-conversion photons from an anisotropic quark-gluon plasma  
By: Bhattacharya, Lusaka; Roy, Pradip  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 37 Issue: 10 Article Number:  
105010 Published: OCT 2010
- 4,490. A Novel Attempt to Calculate the Velocity Correlation Coefficients in Ternary Electrolyte  
Solution  
By: Chakrabarti, Haimanti; Sil, Shreekantha; Kundu, Srinanda  
JOURNAL OF SOLUTION CHEMISTRY Volume: 39 Issue: 9 Pages: 1278-1290 Published: OCT 2010
- 4,491. Asymmetric simple exclusion process on a Cayley tree  
By: Basu, Mahashweta; Mohanty, P. K.  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P10014  
Published: OCT 2010
- 4,492. Neutron-gamma discrimination by pulse analysis with superheated drop detector  
By: Das, Mala; Seth, S.; Saha, S.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 622 Issue: 1 Pages: 196-199  
Published: OCT 1 2010
- 4,493. Relativistic expansion of electron-positron-photon plasma droplets and photon emission  
By: Yaresko, R.; Mustafa, Munshi G.; Kaempfer, B.  
PHYSICS OF PLASMAS Volume: 17 Issue: 10 Article Number: 103302 Published: OCT 2010
- 4,494. Nucleation efficiency of R134a as a sensitive liquid for superheated drop emulsion detector  
By: Das, Mala; Sarkar, R.; Mondal, P. K.; et al.  
PRAMANA-JOURNAL OF PHYSICS Volume: 75 Issue: 4 Pages: 675-682 Published: OCT 2010
- 4,495. Comparative study of runaway electron diffusion in the rise phase of low  $q(a)$  and normal  $q(a)$   
discharges in the SINP tokamak  
By: Narayanan, Ramesh; Iyengar, A. N. Sekar  
PRAMANA-JOURNAL OF PHYSICS Volume: 75 Issue: 4 Pages: 691-708 Published: OCT 2010
- 4,496. Electron transport through mesoscopic rings: Evidence of nano-scale rectifiers  
By: Maiti, Santanu K.  
SOLID STATE COMMUNICATIONS Volume: 150 Issue: 37-38 Pages: 1741-1745 Published: OCT  
2010
- 4,497. Synthesis and study of electroactive nanoparticles and their polymer composites for novel  
applications  
By: Gupta, N. Dutta; Sahu, K. R.; Das, I.; et al.  
INDIAN JOURNAL OF PHYSICS Volume: 84 Issue: 10 Pages: 1413-1419 Published: OCT 2010

- 4,498. Nonlinearizing linear equations to integrable systems including new hierarchies with nonholonomic deformations (vol 50, 102702, 2009)  
By: Kundu, Anjan  
JOURNAL OF MATHEMATICAL PHYSICS Volume: 51 Issue: 10 Article Number: 109903 Published: OCT 2010
- 4,499. Anatomy of the symmetry energy of dilute nuclear matter  
By: De, J. N.; Samaddar, S. K.; Agrawal, B. K.  
PHYSICAL REVIEW C Volume: 82 Issue: 4 Article Number: 045201 Published: OCT 8 2010
- 4,500. EhMAPK, the Mitogen-Activated Protein Kinase from *Entamoeba histolytica* Is Associated with Cell Survival  
By: Ghosh, Anupama Sardar; Ray, Doel; Dutta, Suman; et al.  
PLOS ONE Volume: 5 Issue: 10 Article Number: e13291 Published: OCT 8 2010
- 4,501. Relativistic spectral function of nucleons in hot nuclear matter  
By: Ghosh, Sabyasachi; Sarkar, Sourav; Mallik, S.  
PHYSICAL REVIEW C Volume: 82 Issue: 4 Article Number: 045202 Published: OCT 12 2010
- 4,502. High spin states and isomeric decays in doubly-odd Fr-208  
By: Kanjilal, D.; Bhattacharya, S.; Goswami, A.; et al.  
NUCLEAR PHYSICS A Volume: 842 Pages: 1-14 Published: OCT 15 2010
- 4,503. The unbound isotopes He-9, He-10  
By: Johansson, H. T.; Aksyutina, Yu.; Aumann, T.; et al.  
NUCLEAR PHYSICS A Volume: 842 Pages: 15-32 Published: OCT 15 2010
- 4,504. Totally asymmetric exclusion process on a ring with internal degrees of freedom  
By: Basu, Urna; Mohanty, P. K.  
PHYSICAL REVIEW E Volume: 82 Issue: 4 Article Number: 041117 Part: 1 Published: OCT 20 2010
- 4,505. Effect of fractal disorder on static friction in the Tomlinson model  
By: Eriksen, Jon Alm; Biswas, Soumyajyoti; Chakrabarti, Bikas K.  
PHYSICAL REVIEW E Volume: 82 Issue: 4 Article Number: 041124 Part: 1 Published: OCT 26 2010
- 4,506. Study of structural evolution during controlled degradation of ultrathin polymer films  
By: Mondal, Mojammel H.; Mukherjee, M.  
POLYMER Volume: 51 Issue: 23 Pages: 5550-5555 Published: OCT 29 2010
- 4,507. The response of laser interferometers to a gravitational wave  
By: Melissinos, Adrian; Das, Ashok  
AMERICAN JOURNAL OF PHYSICS Volume: 78 Issue: 11 Pages: 1160-1164 Published: NOV 2010
- 4,508. Analytic structure of rho meson propagator at finite temperature  
By: Ghosh, Sabyasachi; Mallik, S.; Sarkar, Sourav

EUROPEAN PHYSICAL JOURNAL C Volume: 70 Issue: 1-2 Pages: 251-262 Published: NOV 2010

4,509. Constraining scalar singlet dark matter with CDMS, XENON and DAMA and prediction for direct detection rates

By: Bandyopadhyay, Abhijit; Chakraborty, Sovan; Ghosal, Ambar; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 065 Published: NOV 2010

4,510. Microstructural and magnetic characterization of dusts from a stone crushing industry in Birbhum, India

By: Bhattacharjee, A.; Mandal, H.; Roy, M.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 322 Issue: 22 Pages: 3724-3727  
Published: NOV 2010

4,511. Nanoparticle Surface as Activation Site

By: Biswas, Nupur; Rahman, Ayesha; Datta, Alokmay; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 10 Issue: 11 Special Issue: SI Pages: 7083-7087  
Published: NOV 2010

4,512. Simultaneous Occurrence of Energy Transfer and Photoinduced Electron Transfer in Interactions of Hen Egg White Lysozyme with 4-Nitroquinoline-1-Oxide

By: Banerjee, Mousumi; Maiti, Sourav; Kundu, Ipsita; et al.

PHOTOCHEMISTRY AND PHOTOBIOLOGY Volume: 86 Issue: 6 Pages: 1237-1246  
Published: NOV-DEC 2010

4,513. Radioisotope-induced EDXRF investigation of elemental uptake in cauliflower grown at MSW-contaminated site

By: Gupta, D.; Chatterjee, J. M.; Ghosh, R.; et al.

X-RAY SPECTROMETRY Volume: 39 Issue: 6 Pages: 364-371  
Published: NOV-DEC 2010

4,514. Supersolidity for hard-core-bosons coupled to optical phonons

By: Datta, Sanjoy; Yarlagadda, Sudhakar

SOLID STATE COMMUNICATIONS Volume: 150 Issue: 41-42 Pages: 2040-2044  
Published: NOV 2010

4,515. Viscoelastic modes in a strongly coupled, cold, magnetized dusty plasma

By: Banerjee, Debabrata; Mylavarapu, Janaki Sita; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 17 Issue: 11 Article Number: 113708  
Published: NOV 2010

4,516. Hydrophobic to hydrophilic transition of HF-treated Si surface during Langmuir-Blodgett film deposition

By: Bal, J. K.; Kundu, S.; Hazra, S.

CHEMICAL PHYSICS LETTERS Volume: 500 Issue: 1-3 Pages: 90-95  
Published: NOV 10 2010

4,517. Structural Stability of Tandemly Occurring Noncanonical Basepairs within Double Helical Fragments: Molecular Dynamics Studies of Functional RNA

By: Halder, Sukanya; Bhattacharyya, Dhananjay

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 114 Issue: 44 Pages: 14028-14040 Published: NOV 11 2010

4,518. Disorder induced magnetism and electrical conduction in La doped  $\text{Ca}_2\text{FeMoO}_6$  double perovskite

By: Poddar, Asok; Bhowmik, R. N.; Muthuselvam, I. Panneer

JOURNAL OF APPLIED PHYSICS Volume: 108 Issue: 10 Article Number: 103908 Published: NOV 15 2010

4,519. Al-27 and Cu-63 NMR studies on intermetallic Kondo compound  $\text{CeCu}_3\text{Al}_2$

By: Bandyopadhyay, B.; Majumder, M.; Ghoshray, A.; et al.

PHYSICA B-CONDENSED MATTER Volume: 405 Issue: 22 Pages: 4691-4695 Published: NOV 15 2010

4,520. Covalent Immobilization of Protein onto a functionalized Hydrogenated Diamond-like Carbon Substrate

By: Biswas, Had Shankar; Datta, Jagannath; Chowdhury, D. P.; et al.

LANGMUIR Volume: 26 Issue: 22 Pages: 17413-17418 Published: NOV 16 2010

4,521. Opinion formation in kinetic exchange models: Spontaneous symmetry-breaking transition

By: Lallouache, Mehdi; Chakrabarti, Anindya S.; Chakraborti, Anirban; et al.

PHYSICAL REVIEW E Volume: 82 Issue: 5 Article Number: 056112 Part: 2 Published: NOV 16 2010

4,522. Dynamics of an excitable glow-discharge plasma under external forcing

By: Nurujjaman, Md.; Iyengar, A. N. Sekar

PHYSICAL REVIEW E Volume: 82 Issue: 5 Article Number: 056210 Part: 2 Published: NOV 19 2010

4,523. Polarized neutron reflectivity study of spin vortices formed in Gd-based Langmuir-Blodgett films

By: Gayen, S.; Sanyal, M. K.; Sarma, A.; et al.

PHYSICAL REVIEW B Volume: 82 Issue: 17 Article Number: 174429 Published: NOV 22 2010

4,524. THE ENIGMA OF HELIUM

By: Chaudhuri, H.; Ghose, D.; Bhandari, R. K.; et al.

ACTA GEODAEtica ET GEOPHYSICA HUNGARICA Volume: 45 Issue: 4 Pages: 452-470 Published: DEC 2010

4,525. Effect of ionic environment on the transport of cesium ion in alkali chloride solutions from radio tracer studies

By: Chakrabarti, Haimanti; Kundu, Srinanda

APPLIED RADIATION AND ISOTOPES Volume: 68 Issue: 12 Pages: 2189-2196 Published: DEC 2010

- 4,526. Glassiness in charge dynamics of half-doped manganite: A study on oxygen-deficient charge-ordered  $\text{R}_{0.5}\text{Ca}_{0.5}\text{MnO}_{3-\delta}$  ( $\text{R} = \text{Pr}, \text{Nd}$  and  $\text{Sm}$ )  
By: Karmakar, A.; Majumdar, S.; Banerjee, S.; et al.  
EPL Volume: 92 Issue: 5 Article Number: 57009 Published: DEC 2010
- 4,527. Photons from jet - plasma interaction in collisional energy loss scenario  
By: Bhattacharya, Lusaka; Roy, Pradip K.  
INDIAN JOURNAL OF PHYSICS Volume: 84 Issue: 12 Pages: 1751-1757 Published: DEC 2010
- 4,528. A large, systematic molecular-genetic study of G6PD in Indian populations identifies a new non-synonymous variant and supports recent positive selection  
By: Sarkar, Somosree; Biswas, Nidhan K.; Dey, Badal; et al.  
INFECTIOIN GENETICS AND EVOLUTION Volume: 10 Issue: 8 Pages: 1228-1236 Published: DEC 2010
- 4,529. Magnetism and transport studies in off-stoichiometric metallic perovskite compounds  $\text{GdPd}_3\text{B}_x$  ( $x=0.25, 0.50$  and  $0.75$ )  
By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 322 Issue: 23 Pages: 3765-3770  
Published: DEC 2010
- 4,530. Three-body correlations in the decay of  $\text{He-10}$  and  $\text{Li-13}$   
By: Johansson, H. T.; Aksyutina, Yu; Aumann, T.; et al.  
NUCLEAR PHYSICS A Volume: 847 Issue: 1-2 Pages: 66-88 Published: DEC 1 2010
- 4,531. Thermal effective action for 1+1 dimensional massive QED  
By: Das, Ashok; Frenkel, J.  
PHYSICAL REVIEW D Volume: 82 Issue: 12 Article Number: 125002 Published: DEC 1 2010
- 4,532. Hard x-ray correlation analysis as a diagnostic tool for the measurement of magnetic turbulence in tokamaks  
By: Saha, S. K.; Hui, A. K.; Chowdhury, S.; et al.  
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 81 Issue: 12 Article Number: 123506 Published: DEC 2010
- 4,533. Magnetic response in mesoscopic Hubbard rings A mean field study  
By: Maiti, Santanu K.  
SOLID STATE COMMUNICATIONS Volume: 150 Issue: 45-46 Pages: 2212-2217 Published: DEC 2010
- 4,534. High voltage characteristic of large area cathode pad chambers for muon spectrometer of ALICE  
By: Azmi, M. Danish; Bose, S.; Chattopadhyay, S.; et al.  
INDIAN JOURNAL OF PHYSICS Volume: 84 Issue: 12 Pages: 1683-1687 Published: DEC 2010
- 4,535. SIMILARITY IN TRANSITIONS OF TWO DISTINCT NUMBER NETWORKS  
By: Chandra, Anjan Kumar; Inoue, Jun-Ichi



INTERNATIONAL JOURNAL OF MODERN PHYSICS C Volume: 21 Issue: 12 Pages: 1489-1500  
Published: DEC 2010

4,536. Neutron dose distribution from C-12 induced reactions on Ti and Ag using proton recoil scintillator

By: Nandy, M.; Sarkar, P. K.; Sanami, T.; et al.

RADIATION MEASUREMENTS Volume: 45 Issue: 10 Special Issue: SI Pages: 1276-1280 Published: DEC 2010

4,537. BINDING OF HYPERNUCLEI, AND PHOTOPRODUCTION OF Lambda-HYPERNUCLEI IN THE LATEST QUARK-MESON COUPLING MODEL

By: Tsushima, K.; Guichon, P. A. M.; Shyam, R.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 19 Issue: 12 Pages: 2546-2551 Published: DEC 2010

4,538. PRODUCTION OF NEUTRON-RICH LAMBDA HYPERNUCLEI AT J-PARC

By: Sakaguchi, A.; Ajimura, S.; Bhang, H.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 19 Issue: 12 Pages: 2632-2637 Published: DEC 2010

4,539. Special limits and nonrelativistic solutions

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 061 Published: DEC 2010

4,540. A traditional painkiller as a probe for microheterogeneity in 1-propanol-water mixtures

By: Chakraborty, Sreeja; Sehanobish, Esha; Sarkar, Munna

CHEMICAL PHYSICS LETTERS Volume: 501 Issue: 1-3 Pages: 118-122 Published: DEC 6 2010

4,541. Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at root  $s(NN)=2.76$  TeV

By: Aamodt, K.; Abelev, B.; Abrahantes Quintana, A.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 105 Issue: 25 Article Number: 252301 Published: DEC 13 2010

4,542. Elliptic Flow of Charged Particles in Pb-Pb Collisions at root  $s(NN)=2.76$  TeV

By: Aamodt, K.; Abelev, B.; Abrahantes Quintana, A.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 105 Issue: 25 Article Number: 252302 Published: DEC 13 2010

4,543. Dilepton production in proton-proton and quasifree proton-neutron reactions at 1.25 GeV

By: Shyam, R.; Mosel, U.

PHYSICAL REVIEW C Volume: 82 Issue: 6 Article Number: 062201 Published: DEC 15 2010

4,544. Alumina-Supported Cu(II), A Versatile and Recyclable Catalyst for Regioselective Ring Opening of Aziridines and Epoxides and Subsequent Cyclization to Functionalized 1,4-Benzoxazines and 1,4-Benzodioxanes

By: Bhadra, Sukalyan; Adak, Laksmikanta; Samanta, Subhas; et al.

JOURNAL OF ORGANIC CHEMISTRY Volume: 75 Issue: 24 Pages: 8533-8541 Published: DEC 17 2010

4,545. Effect of Increase in Orientational Order of Lipid Chains and Head Group Spacing on Non Steroidal Anti-Inflammatory Drug Induced Membrane Fusion

By: Roy, Sutapa Mondal; Bansode, Amol S.; Sarkar, Munna

LANGMUIR Volume: 26 Issue: 24 Pages: 18967-18975 Published: DEC 21 2010

4,546. Viscosity gradient-driven instability of 'shear mode' in a strongly coupled plasma

By: Banerjee, D.; Janaki, M. S.; Chakrabarti, N.; et al.

NEW JOURNAL OF PHYSICS Volume: 12 Article Number: 123031 Published: DEC 23 2010

4,547. Effect of shear viscosity on the nucleation of antikaon condensed matter in neutron stars

By: Banik, Sarmistha; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 82 Issue: 12 Article Number: 123010 Published: DEC 27 2010

4,548. Magnetic Field Effect Corroborated with Docking Study to Explore Photoinduced Electron Transfer in Drug-Protein Interaction

By: Chakraborty, Brotati; Roy, Atanu Singha; Dasgupta, Swagata; et al.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 114 Issue: 51 Pages: 13313-13325 Published: DEC 30 2010

4,549. Iron sulphide formation in the ferric stearate Langmuir-Blodgett films

By: Kundu, S.; Islam, A. K. M. Maidul; Mukherjee, M.

APPLIED SURFACE SCIENCE Volume: 257 Issue: 6 Pages: 2000-2003 Published: JAN 1 2011

4,550. Distribution of persistent currents in a multi-arm mesoscopic ring

By: Maiti, Santanu K.; Saha, Srilekha; Karmakar, S. N.

EUROPEAN PHYSICAL JOURNAL B Volume: 79 Issue: 2 Pages: 209-213 Published: JAN 2011

4,551. QGP susceptibilities from PNJL model

By: Ghosh, Sanjay K.; Mukherjee, Tamal K.; Mustafa, Munshi G.; et al.

INDIAN JOURNAL OF PHYSICS Volume: 85 Issue: 1 Pages: 87-91 Published: JAN 2011

4,552. Effect of temperature in synthesis of silver nanoparticles in triblock copolymer micellar solution

By: Islam, A. K. M. Maidul; Mukherjee, M.

JOURNAL OF EXPERIMENTAL NANOSCIENCE Volume: 6 Issue: 6 Pages: 596-611 Published: 2011

4,553. Phase transitions and critical behavior of black branes in canonical ensemble

By: Lu, J. X.; Roy, Shibaji; Xiao, Zhiguang

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 133 Published: JAN 2011

4,554. Aqueous synthesis of ZnTe/dendrimer nanocomposites and their antimicrobial activity: implications in therapeutics (vol 3, pg 1139, 2011)

By: Ghosh, S.; Ghosh, D.; Bag, P. K.; et al.

NANOSCALE Volume: 3 Issue: 12 Pages: 5184-5186 Published: 2011

4,555. Photophysical behavior of acridine with amines within the micellar microenvironment of SDS: a time-resolved fluorescence and laser flash photolysis study

By: Sarangi, Manas Kumar; Basu, Samita

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 13 Issue: 37 Pages: 16821-16830 Published: 2011

4,556. DIRECTIONAL DISTRIBUTION OF THE AMBIENT NEUTRON DOSE EQUIVALENT FROM 145-MeV F-19 PROJECTILES INCIDENT ON THICK AL TARGET

By: Sunil, C.; Shanbhag, A. A.; Nandy, M.; et al.

RADIATION PROTECTION DOSIMETRY Volume: 143 Issue: 1 Pages: 4-11 Published: JAN 2011

4,557. Magnetic shield for turbomolecular pump of the Magnetized Plasma Linear Experimental device at Saha Institute of Nuclear Physics

By: Biswas, Subir; Chattopadhyay, Monobir; Pal, Rabindranath

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 82 Issue: 1 Article Number: 013506 Published: JAN 2011

4,558. Low noise constant current source for bias dependent noise measurements

By: Talukdar, D.; Chakraborty, R. K.; Bose, Suvendu; et al.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 82 Issue: 1 Article Number: 013906 Published: JAN 2011

4,559. Baryon asymmetry from leptogenesis with four zero neutrino Yukawa textures

By: Adhikary, Biswajit; Ghosal, Ambar; Roy, Probir

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 1 Article Number: 025 Published: JAN 2011

4,560. Non-thermal leptogenesis in supersymmetric 3-3-1 model with inflationary scenario

By: Huong, D. T.; Long, H. N.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 38 Issue: 1 Article Number: 015202 Published: JAN 2011

4,561. Jeans instability in a viscoelastic fluid

By: Janaki, M. S.; Chakrabarti, N.; Banerjee, D.

PHYSICS OF PLASMAS Volume: 18 Issue: 1 Article Number: 012901 Published: JAN 2011

4,562. Significant Role of Ru-Oxide Present in the Pt-Ru Alloy Catalyst for Ethanol Electro-Oxidation in Acid Medium

By: Datta, J.; Sen Gupta, S.; Singh, S.; et al.

MATERIALS AND MANUFACTURING PROCESSES Volume: 26 Issue: 2 Pages: 261-271 Article Number: PII 935346533 Published: 2011

4,563. Long range gas-geochemical anomalies of a remote earthquake recorded simultaneously at distant monitoring stations in India

By: Chaudhuri, Hirok; Bari, Waseem; Iqbal, Naseer; et al.

GEOCHEMICAL JOURNAL Volume: 45 Issue: 2 Pages: 137-156 Published: 2011

4,564. Production and separation of Ru-97 from Li-7 activated natural niobium

By: Maiti, M.; Lahiri, S.

RADIOCHIMICA ACTA Volume: 99 Issue: 6 Pages: 359-364 Published: 2011

4,565. Investigation on the production and isolation of Tb-149, Tb-150, Tb-151 from C-12 irradiated natural praseodymium target

By: Maiti, M.; Lahiri, S.; Tomar, B. S.

RADIOCHIMICA ACTA Volume: 99 Issue: 9 Pages: 527-533 Published: 2011

4,566. Systematics of antimagnetic rotation in even-even Cd isotopes

By: Roy, Santosh; Chattopadhyay, S.; Datta, Pradip; et al.

PHYSICS LETTERS B Volume: 694 Issue: 4-5 Pages: 322-326 Published: JAN 3 2011

4,567. Human telomere d[(TTAGGG)(4)] undergoes a conformational transition to the Na<sup>+</sup>-form upon binding with sanguinarine in presence of K<sup>+</sup>

By: Pradhan, Suman Kalyan; Dasgupta, Dipak; Basu, Gautam

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 404 Issue: 1 Pages: 139-142 Published: JAN 7 2011

4,568. Exotic Higgs boson decay modes as a harbinger of S-3 flavor symmetry

By: Bhattacharyya, Gautam; Leser, Philipp; Pas, Heinrich

PHYSICAL REVIEW D Volume: 83 Issue: 1 Article Number: 011701 Published: JAN 7 2011

4,569. Two-step condensation of lattice bosons

By: Ramakumar, R.; Das, A. N.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 390 Issue: 2 Pages: 208-213 Published: JAN 15 2011

4,570. Spin transport through a quantum network: Effects of Rashba spin-orbit interaction and Aharonov-Bohm flux

By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.

JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 2 Article Number: 024304 Published: JAN 15 2011

4,571. Characterization and calibration of a SSNTD for heavy-ion detection and strangelet search in cosmic rays

By: Bhowmik, D.; Dey, S.; Maulik, A.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 269 Issue: 2 Pages: 197-201 Published: JAN 15 2011

4,572. Circular orbits in extremal Reissner-Nordstrom spacetime

By: Pradhan, Parthapratim; Majumdar, Parthasarathi

PHYSICS LETTERS A Volume: 375 Issue: 3 Pages: 474-479 Published: JAN 17 2011

4,573. Fluctuations of H<sub>2</sub>O molecule in crystalline HfF<sub>4</sub> center dot 3H<sub>2</sub>O

By: Dey, C. C.

CHEMICAL PHYSICS LETTERS Volume: 502 Issue: 1-3 Pages: 72-76 Published: JAN 18 2011

4,574. Study of the one-dimensional Holstein model with next-nearest-neighbor hopping

By: Chakraborty, Monodeep; Das, A. N.; Chakrabarti, Atisidipankar

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 23 Issue: 2 Article Number: 025601

Published: JAN 19 2011

4,575. Influence of Heterogeneity of Confined Water on Photophysical Behavior of Acridine with Amines: A Time-Resolved Fluorescence and Laser Flash Photolysis Study

By: Sarangi, Manas Kumar; Dey, Debarati; Basu, Samita

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 115 Issue: 2 Pages: 128-135 Published: JAN 20 2011

4,576. Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Aamodt, K.; Quintana, A. Abrahantes; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 106 Issue: 3 Article Number: 032301 Published: JAN 20 2011

4,577. Nonlinear interaction of quantum electron plasma waves with quantum electron acoustic waves in plasmas

By: Chakrabarti, Nikhil; Mylavarapu, Janaki Sita; Dutta, Manjistha; et al.

PHYSICAL REVIEW E Volume: 83 Issue: 1 Article Number: 016404 Part: 2 Published: JAN 21 2011

4,578. Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Aamodt, K.; Abrahantes Quintana, A.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 696 Issue: 1-2 Pages: 30-39 Published: JAN 24 2011

4,579. Low-mass dilepton rate from the deconfined phase

By: Greiner, Carsten; Haque, Najmul; Mustafa, Munshi G.; et al.

PHYSICAL REVIEW C Volume: 83 Issue: 1 Article Number: 014908 Published: JAN 25 2011

4,580. Phenotypic heterogeneity in mycobacterial stringent response

By: Ghosh, Sayantari; Sureka, Kamakshi; Ghosh, Bhaswar; et al.

BMC SYSTEMS BIOLOGY Volume: 5 Article Number: 18 Published: JAN 27 2011

- 4,581. Generalization of Gunion-Bertsch formula for soft gluon emission  
By: Abir, Raktim; Greiner, Carsten; Martinez, Mauricio; et al.  
PHYSICAL REVIEW D Volume: 83 Issue: 1 Article Number: 011501 Published: JAN 27 2011
- 4,582. Baryonic loop in the rho-meson self-energy  
By: Ghosh, Sabyasachi; Sarkar, Sourav; Mallik, S.  
PHYSICAL REVIEW C Volume: 83 Issue: 1 Article Number: 018201 Published: JAN 28 2011
- 4,583. Schwarzschild horizon dynamics and SU(2) Chern-Simons theory  
By: Kaul, Romesh K.; Majumdar, Parthasarathi  
PHYSICAL REVIEW D Volume: 83 Issue: 2 Article Number: 024038 Published: JAN 31 2011
- 4,584. Non-minimally coupled scalar fields, Holst action and black hole mechanics  
By: Chatterjee, Ayan  
ANNALS OF PHYSICS Volume: 326 Issue: 2 Pages: 307-322 Published: FEB 2011
- 4,585. Realistic three dimensional simulation on the performance of micromegas  
By: Bhattacharya, Purba; Mukhopadhyay, Supratik; Majumdar, Nayana; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 628 Issue: 1 Pages: 465-469  
Published: FEB 1 2011
- 4,586. Differential expression of red cell proteins in hemoglobinopathy  
By: Chakrabarti, Abhijit; Bhattacharya, Dipankar; Basu, Avik; et al.  
PROTEOMICS CLINICAL APPLICATIONS Volume: 5 Issue: 1-2 Pages: 98-108 Published: FEB 2011
- 4,587. A pedagogical review of electroweak symmetry breaking scenarios  
By: Bhattacharyya, Gautam  
REPORTS ON PROGRESS IN PHYSICS Volume: 74 Issue: 2 Article Number: 026201 Published: FEB  
2011
- 4,588. Studies on stabilities of some human chorionic gonadotropin complexes with beta-emitting  
radionuclides  
By: Maiti, Moumita; Sen, Kamalika; Sen, Souvik; et al.  
APPLIED RADIATION AND ISOTOPES Volume: 69 Issue: 2 Pages: 316-319 Published: FEB 2011
- 4,589. Proceedings of the National Conference on X-Ray Fluorescence Foreword  
By: Sarkar, Manoranjan; Roy, Subinit  
PRAMANA-JOURNAL OF PHYSICS Volume: 76 Issue: 2 Pages: 189-190 Published: FEB 2011
- 4,590. X-ray fluorescence activities at Saha Institute of Nuclear Physics, India  
By: Sarkar, Manoranjan  
PRAMANA-JOURNAL OF PHYSICS Volume: 76 Issue: 2 Pages: 293-312 Published: FEB 2011

- 4,591. Energy-dispersive X-ray fluorescence study of elemental uptake in cauliflower  
By: Gupta, D.; Chatterjee, J. M.; Ghose, R.; et al.  
PRAMANA-JOURNAL OF PHYSICS Volume: 76 Issue: 2 Pages: 344-349 Published: FEB 2011
- 4,592. Probing the interactions of hemoglobin with antioxidant flavonoids via fluorescence spectroscopy and molecular modeling studies  
By: Chaudhuri, Sudip; Chakraborty, Sandipan; Sengupta, Pradeep K.  
BIOPHYSICAL CHEMISTRY Volume: 154 Issue: 1 Pages: 26-34 Published: FEB 2011
- 4,593. Topological Effect on Spin Transport in a Magnetic Quantum Wire: Green's Function Approach  
By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 8 Issue: 2 Pages: 253-260 Published: FEB 2011
- 4,594. Two-pion Bose-Einstein correlations in central Pb-Pb collisions at root(NN)-N-S=2.76 TeV  
By: Aamodt, K.; Abrahantes Quintana, A.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 696 Issue: 4 Pages: 328-337 Published: FEB 7 2011
- 4,595. Evidence of quasifission in the O-16+U-238 reaction at sub-barrier energies  
By: Banerjee, K.; Ghosh, T. K.; Bhattacharya, S.; et al.  
PHYSICAL REVIEW C Volume: 83 Issue: 2 Article Number: 024605 Published: FEB 9 2011
- 4,596. The spin Sutherland model of D-N type and its associated spin chain  
By: Basu-Mallick, B.; Finkel, F.; Gonzalez-Lopez, A.  
NUCLEAR PHYSICS B Volume: 843 Issue: 2 Pages: 505-533 Published: FEB 11 2011
- 4,597. Possibility of antimagnetic rotation in odd-A Cd isotopes  
By: Roy, Santosh; Chattopadhyay, S.  
PHYSICAL REVIEW C Volume: 83 Issue: 2 Article Number: 024305 Published: FEB 14 2011
- 4,598. Infrared chiral anomaly at finite temperature  
By: Das, Ashok; Frenkel, J.  
PHYSICS LETTERS B Volume: 696 Issue: 5 Pages: 556-559 Published: FEB 14 2011
- 4,599. Protonation of Base Pairs in RNA: Context Analysis and Quantum Chemical Investigations of Their Geometries and Stabilities  
By: Chawla, Mohit; Sharma, Purshotam; Hader, Sukanya; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 115 Issue: 6 Pages: 1469-1484 Published: FEB 17 2011
- 4,600. Dynamical percolation transition in the Ising model studied using a pulsed magnetic field  
By: Biswas, Soumyajyoti; Kundu, Anasuya; Chandra, Anjan Kumar  
PHYSICAL REVIEW E Volume: 83 Issue: 2 Article Number: 021109 Part: 1 Published: FEB 18 2011

4,601. Experimental study of Delta l=1 bands in In-111

By: Banerjee, P.; Ganguly, S.; Pradhan, M. K.; et al.

PHYSICAL REVIEW C Volume: 83 Issue: 2 Article Number: 024316 Published: FEB 28 2011

4,602. Strange particle production in proton-proton collisions at  $\sqrt{s}=0.9$  TeV with ALICE at the LHC

By: Aamodt, K.; Abrahantes Quintana, A.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 3 Article Number: 1594 Published: MAR 2011

4,603. Effect of oxygen vacancy and dopant concentration on the magnetic properties of high spin Co<sup>2+</sup> doped TiO<sub>2</sub> nanoparticles

By: Choudhury, B.; Choudhury, A.; Islam, A. K. M. Maidul; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 323 Issue: 5 Pages: 440-446

Published: MAR 2011

4,604. Energy levels in Nd-141 from fusion evaporation study

By: Bhowal, Samit; Lahiri, Chirashree; Raut, Rajarshi; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 38 Issue: 3 Article Number:

035105 Published: MAR 2011

4,605. Effects of Nanoparticles to the Dynamical Behavior of Polymer Chains in Semidilute Polymer Solution: A Dynamic Light Scattering Study

By: Mondal, Mojammel H.

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS Volume: 49 Issue: 5 Pages: 377-383

Published: MAR 1 2011

4,606. Many-body quantum chaos: Recent developments and applications to nuclei

By: Gomez, J. M. G.; Kar, K.; Kota, V. K. B.; et al.

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 499 Issue: 4-5 Pages: 103-226

Published: MAR 2011

4,607. Logical XOR gate response in a quantum interferometer: A spin dependent transport

By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.

EUROPEAN PHYSICAL JOURNAL B Volume: 80 Issue: 1 Pages: 105-114 Published: MAR 2011

4,608. Interaction of 1,4-Dihydroxy-9,10-Anthraquinone with Calf Thymus DNA: A Comparison with Anthracycline Anticancer Drugs

By: Guin, Partha Sarathi; Das, Saurabh; Mandal, Parikshit Chandra

JOURNAL OF SOLUTION CHEMISTRY Volume: 40 Issue: 3 Pages: 492-501 Published: MAR 2011

4,609. Study on Soluble Polyaniline by Positron Annihilation Technique

By: Dan, Ananya; Sengupta, P. K.; Ganguly, Bichitra N.

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 119 Issue: 5 Pages: 2554-2559 Published: MAR 5 2011



4,610. Ubiquitination of mRNA cycling sequence binding protein from *Leishmania donovani* (LdCSBP) modulates the RNA endonuclease activity of its Smr domain

By: Bhandari, Dipankar; Guha, Kasturi; Bhaduri, Nipa; et al.

FEBS LETTERS Volume: 585 Issue: 5 Pages: 809-813 Published: MAR 9 2011

4,611. Effect of topology on the critical charge in graphene

By: Chakraborty, Baishali; Gupta, Kumar S.; Sen, Siddhartha

PHYSICAL REVIEW B Volume: 83 Issue: 11 Article Number: 115412 Published: MAR 10 2011

4,612. Bimodal response in periodically driven diffusive systems

By: Basu, Urna; Chaudhuri, Debasish; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 83 Issue: 3 Article Number: 031115 Part: 1 Published: MAR 16 2011

4,613. DARBOUX TRANSFORMATION AND MULTI-SOLITON SOLUTIONS OF TWO-BOSON HIERARCHY

By: Das, Ashok; Saleem, U.

MODERN PHYSICS LETTERS A Volume: 26 Issue: 9 Pages: 625-636 Published: MAR 21 2011

4,614. Nanoglass in lithia-silica system grown within pores of pellets comprising CuO nanoparticles

By: Saha, Dhriti Ranjan; Datta, Anindya; Mandal, Sankar; et al.

SOLID STATE IONICS Volume: 186 Issue: 1 Pages: 14-19 Published: MAR 25 2011

4,615. Effect of running coupling on photons from jet-plasma interaction in relativistic heavy-ion collisions

By: Bhattacharya, Lusaka; Roy, Pradip

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 38 Issue: 4 Article Number: 045001 Published: APR 2011

4,616. Separation of no-carrier-added Cd-107, Cd-109 from proton induced silver target: classical chemistry still relevant

By: Maiti, Moumita; Lahiri, Susanta; Tomar, B. S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 288 Issue: 1 Pages: 115-119 Published: APR 2011

4,617. Fluctuations and symmetries in two-dimensional active gels

By: Sarkar, N.; Basu, A.

EUROPEAN PHYSICAL JOURNAL E Volume: 34 Issue: 4 Article Number: 44 Published: APR 2011

4,618. Holographic flows to IR Lifshitz spacetimes

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 118 Published: APR 2011

4,619. Electrical Transport and Magnetic Properties of PEDOT-Ferrite Nanocomposites

By: Poddar, Asok; Mukherjee, Sanjoy; De, Amitabha; et al.

POLYMER COMPOSITES Volume: 32 Issue: 4 Pages: 629-638 Published: APR 2011

4,620. Direct observation of radical intermediates during electron transfer between DNA and a ternary copper complex

By: Dey, Debarati; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 131 Issue: 4 Pages: 732-738 Published: APR 2011

4,621. Implementation of Classical Logic Gates at Nano-Scale Level Using Magnetic Quantum Rings: A Theoretical Study

By: Maiti, Santanu K.

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 8 Issue: 4 Pages: 676-693 Published: APR 2011

4,622. Synthesis and photo physical properties of Au @ Ag (core @ shell) nanoparticles disperse in poly vinyl alcohol matrix

By: Pyne, Santanu; Sarkar, Priyanka; Basu, Samita; et al.

JOURNAL OF NANOPARTICLE RESEARCH Volume: 13 Issue: 4 Pages: 1759-1767 Published: APR 2011

4,623. Relativistic effects on nonlinear lower hybrid oscillations in cold plasma

By: Maity, Chandan; Chakrabarti, Nikhil; Sengupta, Sudip

JOURNAL OF MATHEMATICAL PHYSICS Volume: 52 Issue: 4 Article Number: 043101 Published: APR 2011

4,624. Mn SUBSTITUTION EFFECTS AND ASSOCIATED DEFECTS IN ZnO NANOPARTICLES STUDIED BY POSITRON ANNIHILATION

By: Roy, B.; Karmakar, B.; Nambissan, P. M. G.; et al.

NANO Volume: 6 Issue: 2 Pages: 173-183 Published: APR 2011

4,625. The magnetization of PrFeAsO<sub>0.60</sub>F<sub>0.12</sub> superconductor

By: Bhoi, D.; Mandal, P.; Choudhury, P.; et al.

PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 471 Issue: 7-8 Pages: 258-264 Published: APR 2011

4,626. Estimation of isotropization time ( $\tau(\text{iso})$ ) of QGP from direct photons

By: Bhattacharya, Lusaka

NUCLEAR PHYSICS A Volume: 855 Issue: 1 Pages: 351-354 Published: APR 1 2011

4,627. ALPHA SPECTROSCOPIC FACTOR OF O-16 FROM ITS BREAKUP USING CONTINUUM DISCRETIZED COUPLED CHANNEL (CDCC) METHOD

By: Adhikari, Sucheta; Basu, Chinmay

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 20 Issue: 4 Special Issue: SI Pages: 958-961 Published: APR 2011

4,628. OBSERVATION OF HEAVY CLUSTER STRUCTURE OF O-18 BY INCLUSIVE MEASUREMENT OF INTERMEDIATE MASS FRAGMENT EMITTED IN O-18+C-12 REACTION AT 80 MeV

By: Basu, C.; Adhikari, S.; Mitra, A. K.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 20 Issue: 4 Special Issue: SI Pages: 1058-1061 Published: APR 2011

4,629. LIGHT CLUSTERS EMISSION IN NUCLEAR REACTIONS AT 25 MeV/NUCLEON WITH DIFFERENT N/Z OF ENTRANCE CHANNELS

By: Lombardo, L.; Agodi, C.; Alba, R.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 20 Issue: 4 Special Issue: SI Pages: 1066-1069 Published: APR 2011

4,630. Crossover from layering to island formation in Langmuir-Blodgett growth: Role of long-range intermolecular forces

By: Mukherjee, Smita; Datta, Alokmay

PHYSICAL REVIEW E Volume: 83 Issue: 4 Article Number: 041604 Part: 1 Published: APR 7 2011

4,631. New insights into particle detection with superheated liquids

By: Archambault, S.; Aubin, F.; Auger, M.; et al.

Group Author(s): PICASSO Collaboration

NEW JOURNAL OF PHYSICS Volume: 13 Article Number: 043006 Published: APR 7 2011

4,632. Radiative energy loss in an anisotropic quark-gluon plasma

By: Roy, Pradip; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW C Volume: 83 Issue: 4 Article Number: 044904 Published: APR 8 2011

4,633. Exact Time-Dependent Nonlinear Dispersive Wave Solutions in Compressible Magnetized Plasmas Exhibiting Collapse

By: Chakrabarti, Nikhil; Maity, Chandan; Schamel, Hans

PHYSICAL REVIEW LETTERS Volume: 106 Issue: 14 Article Number: 145003 Published: APR 8 2011

4,634. Evolution of orbital phases with particle size in nanoscale stoichiometric LaMnO<sub>3</sub>

By: Mondal, Parthasarathi; Bhattacharya, Dipten; Maity, Anwasha; et al.

JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 8 Article Number: 084327 Published: APR 15 2011

4,635. Gauge-free electroweak theory: Radiative effects

By: Bhattacharjee, Srijit; Majumdar, Parthasarathi

PHYSICAL REVIEW D Volume: 83 Issue: 8 Article Number: 085019 Published: APR 15 2011

4,636. Generalization of the Cooper pairing mechanism for spin-triplet in superconductors

By: Das, Ashok; Gamboa, J.; Mendez, F.; et al.

PHYSICS LETTERS A Volume: 375 Issue: 16 Pages: 1756-1759 Published: APR 18 2011

4,637. Associated electron and proton transfer between Acridine and Triethylamine in AOT reverse micelles probed by laser flash photolysis with magnetic field

By: Sarangi, Manas Kumar; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 506 Issue: 4-6 Pages: 205-210 Published: APR 20 2011

4,638. Quantum magnetoresistance of the PrFeAsO oxypnictide

By: Bhoi, D.; Mandal, P.; Choudhury, P.; et al.

APPLIED PHYSICS LETTERS Volume: 98 Issue: 17 Article Number: 172105 Published: APR 25 2011

4,639. Deciphering the host-guest chemistry of Acridine Yellow and Cucurbit[7]uril: An integrated spectroscopic and calorimetric study

By: Chakraborty, Brotati; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 507 Issue: 1-3 Pages: 74-79 Published: APR 29 2011

4,640. Phase separation transition in a driven diffusive system with anti-ferromagnetic interaction

By: Kundu, Anasuya; Mohanty, P. K.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 390 Issue: 9 Pages: 1585-1590 Published: MAY 1 2011

4,641. Vector boson production in association with KK modes of the ADD model to NLO in QCD at the LHC

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 38 Issue: 5 Article Number: 055001 Published: MAY 2011

4,642. Absorbing phase transition in a four-state predator-prey model in one dimension

By: Chatterjee, Rakesh; Mohanty, P. K.; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: L05001 Published: MAY 2011

4,643. Dirac, Majorana, and Weyl fermions

By: Pal, Palash B.

AMERICAN JOURNAL OF PHYSICS Volume: 79 Issue: 5 Pages: 485-498 Published: MAY 2011

4,644. A preliminary study on the nature of particulate matters in vehicle fuel wastes

By: Bhattacharjee, Ashis; Mandal, Haradhan; Roy, Madhusudan; et al.

ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 176 Issue: 1-4 Pages: 473-481 Published: MAY 2011

4,645. Cluster glass behaviour in Co-substituted double perovskite  $\text{Ca}_2\text{FeMoO}_6$

By: Poddar, Asok; Mazumdar, Chandan

MATERIALS RESEARCH BULLETIN Volume: 46 Issue: 5 Pages: 682-686 Published: MAY 2011

4,646. Crystallization and preliminary X-ray diffraction studies of the precursor protein of a thermostable variant of papain

By: Roy, Sumana; Choudhury, Debi; Chakrabarti, Chandana; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 67 Pages: 634-636 Part: 5 Published: MAY 2011

4,647. A novel approach to discontinuous bond percolation transition

By: Basu, Urna; Basu, Mahashweta; Kundu, Anasuya; et al.

EPL Volume: 94 Issue: 4 Article Number: 46002 Published: MAY 2011

4,648. Study of surface magnetism, exchange bias effect, and enhanced ferromagnetism in  $\alpha$ -Fe<sub>1.4</sub>Ti<sub>0.6</sub>O<sub>3</sub> alloy

By: Naresh, N.; Bhowmik, R. N.; Ghosh, B.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 9 Article Number: 093913 Published: MAY 1 2011

4,649. Comments by BK Chakrabarti on the Visioneer white papers by D. Helbing and S. Baliatti

By: Chakrabarti, B. K.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 195 Issue: 1 Pages: 145-146 Published: MAY 2011

4,650. Exact solution of D-N-type quantum Calogero model through a mapping to free harmonic oscillators

By: Banerjee, Pratyay; Basu-Mallick, B.

JOURNAL OF MATHEMATICAL PHYSICS Volume: 52 Issue: 5 Article Number: 052106 Published: MAY 2011

4,651. Studies on Al/ZrO<sub>2</sub>/GaAs metal-oxide-semiconductor capacitors and determination of its electrical parameters in the frequency range of 10 kHz-1 MHz

By: Kundu, Souvik; Roy, Sandipta; Banerji, P.; et al.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 29 Issue: 3 Article Number: 031203 Published: MAY 2011

4,652. Phase structure of black branes in grand canonical ensemble

By: Lu, J. X.; Roy, Shibaji; Xiao, Zhiguang

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 091 Published: MAY 2011

4,653. Magnetic and electrical transport properties of La<sub>0.5</sub>A<sub>0.5</sub>CoO<sub>3</sub> nanoparticles (A = Sr, Ca, and Ba)

By: Roy, B.; Das, S.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 509 Issue: 18 Pages: 5537-5544 Published: MAY 5 2011

4,654. Warm alpha-nucleon matter

By: Samaddar, S. K.; De, J. N.

PHYSICAL REVIEW C Volume: 83 Issue: 5 Article Number: 055802 Published: MAY 9 2011

4,655. The recoil transfer chamber-An interface to connect the physical preseparator TASCA with chemistry and counting setups

By: Even, J.; Ballof, J.; Bruechle, W.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 638 Issue: 1 Pages: 157-164  
Published: MAY 11 2011

4,656. Cytosolic aggregates perturb the degradation of nontranslocated secretory and membrane proteins

By: Chakrabarti, Oishee; Rane, Neena S.; Hegde, Ramanujan S.

MOLECULAR BIOLOGY OF THE CELL Volume: 22 Issue: 10 Pages: 1625-1637 Published: MAY 15 2011

4,657. Gauge invariant coupling of fields to torsion: A string inspired model

By: Bhattacharjee, Srijit; Chatterjee, Ayan

PHYSICAL REVIEW D Volume: 83 Issue: 10 Article Number: 106007 Published: MAY 16 2011

4,658. Structural reordering in monolayers of gold nanoparticles during transfer from water surface to solid substrate

By: Banerjee, R.; Sanyal, M. K.; Bera, M. K.; et al.

PHYSICAL REVIEW E Volume: 83 Issue: 5 Article Number: 051605 Part: 1 Published: MAY 16 2011

4,659. Phenomenological implications of S-duality symmetry

By: Das, Ashok; Maharana, Jnanadeva

PHYSICS LETTERS B Volume: 699 Issue: 4 Pages: 264-270 Published: MAY 16 2011

4,660. Multinucleon transfer reactions for the Si-28+Zr-90,Zr-94 systems in the region below and near the Coulomb barrier

By: Kalkal, Sunil; Mandal, S.; Madhavan, N.; et al.

PHYSICAL REVIEW C Volume: 83 Issue: 5 Article Number: 054607 Published: MAY 17 2011

4,661. Mapping the distribution of packing topologies within protein interiors shows predominant preference for specific packing motifs

By: Basu, Sankar; Bhattacharyya, Dhananjay; Banerjee, Rahul

BMC BIOINFORMATICS Volume: 12 Article Number: 195 Published: MAY 24 2011

4,662. Swelling Dynamics of Ultrathin Films of Strong Polyelectrolytes

By: Samanta, Tanusree; Mukherjee, M.

MACROMOLECULES Volume: 44 Issue: 10 Pages: 3935-3941 Published: MAY 24 2011

4,663. First superheavy element experiments at the GSI recoil separator TASCA: The production and decay of element 114 in the Pu-244(Ca-48,3-4n) reaction

By: Gates, J. M.; Duellmann, Ch E.; Schaedel, M.; et al.

PHYSICAL REVIEW C Volume: 83 Issue: 5 Article Number: 054618 Published: MAY 27 2011

4,664. Graviton plus vector boson production to NLO in QCD at the LHC

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.

NUCLEAR PHYSICS B Volume: 847 Issue: 1 Pages: 54-92 Published: JUN 1 2011

4,665. Effect of dephasing on electron transport in a molecular wire: Green's function approach  
By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.

ORGANIC ELECTRONICS Volume: 12 Issue: 6 Pages: 1017-1024 Published: JUN 2011

4,666. Fermi liquid description of relativistic high density matter

By: Pal, K.; Dutt-Mazumder, A. K.

INDIAN JOURNAL OF PHYSICS Volume: 85 Issue: 6 Pages: 831-836 Published: JUN 2011

4,667. Hafnium oxide thin films studied by time differential perturbed angular correlations

By: Dey, C. C.; Dey, S.; Bedi, S. C.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 11 Article Number: 113918 Published: JUN 1 2011

4,668. Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 093 Published: JUN 2011

4,669. Large third-order optical nonlinearity of silver colloids in silica glasses synthesized by ion implantation

By: Ghosh, Binita; Chakraborty, Purushottam

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 269 Issue: 11 Special Issue: SI Pages: 1321-1326 Published: JUN 1 2011

4,670. Secondary instability of Jeans mode in a gravitating fluid with uniform rotation

By: Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 18 Issue: 6 Article Number: 062903 Published: JUN 2011

4,671. Radiative and collisional jet energy loss in a quark-gluon plasma

By: Qin, G. Y.; Ruppert, J.; Gale, C.; et al.

INDIAN JOURNAL OF PHYSICS Volume: 85 Issue: 6 Pages: 873-877 Published: JUN 2011

4,672. ENERGY SYSTEMATICS OF HEAVY NUCLEI-MEAN FIELD MODELS IN COMPARISON

By: Reinhard, P. -G.; Agrawal, B. K.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 20 Issue: 6 Pages: 1379-1390 Published: JUN 2011

4,673. Production of pions, kaons and protons in pp collisions at  $\sqrt{s}=900$  GeV with ALICE at the LHC

By: Aamodt, K.; Abel, N.; Abeysekera, U.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 6 Article Number: 1655 Published: JUN 2011

4,674. INTEGRABLE TWOFOLD HIERARCHY OF PERTURBED EQUATIONS AND APPLICATION TO OPTICAL SOLITON DYNAMICS

By: Kundu, A.

THEORETICAL AND MATHEMATICAL PHYSICS Volume: 167 Issue: 3 Pages: 800-810 Published: JUN 2011

4,675. Electron transparency of a Micromegas mesh

By: Nikolopoulos, K.; Bhattacharya, P.; Chernyatin, V.; et al.

JOURNAL OF INSTRUMENTATION Volume: 6 Article Number: P06011 Published: JUN 2011

4,676. Post irradiated microstructural characterization of Zr-1Nb alloy by X-ray diffraction technique and positron annihilation spectroscopy

By: Chowdhury, P. S.; Mukherjee, P.; Gayathri, N.; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 34 Issue: 3 Pages: 507-513 Published: JUN 2011

4,677. Hidden possibilities in controlling optical soliton in fiber guided doped resonant medium

By: Kundu, Anjan

AIP ADVANCES Volume: 1 Issue: 2 Article Number: 022137 Published: JUN 2011

4,678. Fusion of Li-6 with Tb-159 at near-barrier energies

By: Pradhan, M. K.; Mukherjee, A.; Basu, P.; et al.

PHYSICAL REVIEW C Volume: 83 Issue: 6 Article Number: 064606 Published: JUN 13 2011

4,679. Iron oxide nanoparticles coated with gold: Enhanced magnetic moment due to interfacial effects

By: Banerjee, S.; Raja, S. O.; Sardar, M.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 12 Article Number: 123902 Published: JUN 15 2011

4,680. Nonlinear wave propagation in a strongly coupled collisional dusty plasma

By: Ghosh, Samiran; Gupta, Mithil Ranjan; Chakrabarti, Nikhil; et al.

PHYSICAL REVIEW E Volume: 83 Issue: 6 Article Number: 066406 Part: 2 Published: JUN 16 2011

4,681. Threshold-induced phase transition in kinetic exchange models

By: Ghosh, Asim; Basu, Urna; Chakraborti, Anirban; et al.

PHYSICAL REVIEW E Volume: 83 Issue: 6 Article Number: 061130 Part: 1 Published: JUN 20 2011

4,682. A possible connection between neutrino mass generation and the lightness of a NMSSM pseudoscalar

By: Abada, Asmaa; Bhattacharyya, Gautam; Das, Debottam; et al.

PHYSICS LETTERS B Volume: 700 Issue: 5 Pages: 351-355 Published: JUN 20 2011

4,683. GALILEAN TYPE IIA BACKGROUNDS AND A MAP

By: Singh, Harvendra



MODERN PHYSICS LETTERS A Volume: 26 Issue: 19 Pages: 1443-1451 Published: JUN 21 2011

4,684. CPT-violating effects in muon decay

By: Hollenberg, Sebastian; Pal, Palash B.

PHYSICS LETTERS B Volume: 701 Issue: 1 Pages: 89-92 Published: JUN 27 2011

4,685. Microscopic investigation of surface and interfacial magnetic domain structure of Fe-NiO(100) system

By: Mandal, Suman; Menon, Krishnakumar S. R.; Maccherozzi, Francesco; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 44 Issue: 25 Article Number: 255003

Published: JUN 29 2011

4,686. Effect of Si/Ge ratio on resistivity and thermopower in Gd<sub>5</sub>Si<sub>6</sub>Ge<sub>4-x</sub> magnetocaloric compounds

By: Kumar, D. M. Raj; Raja, M. Manivel; Prabahar, K.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 323 Issue: 13 Pages: 1750-1754

Published: JUL 2011

4,687. Surface spin orientation of NiO(100) and interfacial coupling of Fe/NiO(100) revisited with soft X-ray spectromicroscopy

By: Mandal, Suman; Menon, Krishnakumar S. R.; Maccherozzi, Francesco; et al.

EPL Volume: 95 Issue: 2 Article Number: 27006 Published: JUL 2011

4,688. Intrinsically Unstructured Proteins and Neurodegenerative Diseases: Conformational Promiscuity at its Best

By: Das, Samir; Mukhopadhyay, Debashis

IUBMB LIFE Volume: 63 Issue: 7 Special Issue: SI Pages: 478-488 Published: JUL 2011

4,689. Eigenvalue problem in two dimensions for an irregular boundary: Neumann condition

By: Panda, S.; Chakraborty, S.; Khastgir, S. P.

EUROPEAN PHYSICAL JOURNAL PLUS Volume: 126 Issue: 7 Article Number: 62 Published: JUL

2011

4,690. rho-omega mixing and density dependent CSV potential

By: Biswas, S.; Roy, P.; Dutt-Mazumder, A. K.

INDIAN JOURNAL OF PHYSICS Volume: 85 Issue: 7 Pages: 1185-1189 Published: JUL 2011

4,691. Search for supersymmetry in events with b jets and missing transverse momentum at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 113 Published: JUL 2011

4,692. Search for light resonances decaying into pairs of muons as a signal of new physics

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 098 Published: JUL 2011

4,693. Measurement of the  $t(\bar{t})$  production cross section and the top quark mass in the dilepton channel in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 049 Published: JUL 2011

4,694. Effect of  $r$  averaging on chiral anomaly in lattice QCD with Wilson fermion: finite volume and cutoff effects

By: De, Asit K.; Harindranath, A.; Mondal, Santanu

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 117 Published: JUL 2011

4,695. Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Aamodt, K.; Abelev, B.; Abrahantes Quintana, A.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 107 Issue: 3 Article Number: 032301 Published: JUL 11 2011

4,696. Performance and First Physics Results of the ALICE Muon Spectrometer

By: Das, Debasish

Group Author(s): ALICE Collaboration

NUCLEAR PHYSICS A Volume: 862-63 Pages: 223-230 Published: JUL 15 2011

4,697. Quark Number Susceptibility and Thermodynamics in HTL approximation

By: Haque, Najmul; Mustafa, Munshi G.

NUCLEAR PHYSICS A Volume: 862-63 Pages: 271-274 Published: JUL 15 2011

4,698. Role of initial morphology in H<sub>2</sub>S treated cadmium arachidate Langmuir - Blodgett films

By: Islam, A. K. M. Maidul; Mukherjee, M.

COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS Volume: 385 Issue: 1-3 Pages: 104-110 Published: JUL 20 2011

4,699. Nonuniversal behavior of the helicity modulus in a dense defect system

By: Sinha, Suman

PHYSICAL REVIEW E Volume: 84 Issue: 1 Article Number: 010102 Part: 1 Published: JUL 25 2011

4,700. Identification of the slow E3 transition  $C-136(s)m \rightarrow Cs-136$  with conversion electrons

By: Wimmer, K.; Koester, U.; Hoff, P.; et al.

PHYSICAL REVIEW C Volume: 84 Issue: 1 Article Number: 014329 Published: JUL 26 2011

4,701. Role of Interfacial Interaction in Orientation of Poly(N-isopropylacrylamide) Chains on Silicon Substrate

By: Wang, C. -H.; Mukherjee, S.; Islam, A. K. M. Maidul; et al.

MACROMOLECULES Volume: 44 Issue: 14 Pages: 5750-5757 Published: JUL 26 2011

4,702. Indications of Suppression of Excited Upsilon States in Pb-Pb Collisions at  $\sqrt{s}=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 107 Issue: 5 Article Number: 052302 Published: JUL 28 2011

4,703. Biphasic Association of T7 RNA Polymerase and a Nucleotide Analogue, Cibacron Blue as a Model to Understand the Role of Initiating Nucleotide in the Mechanism of Enzyme Action

By: Pal, Sudipta; Das, Mili; Banerjee, Rahul; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 29 Issue: 1 Pages: 153-164

Published: AUG 2011

4,704. INNER CRUSTS OF NEUTRON STARS IN STRONGLY QUANTIZING MAGNETIC FIELDS

By: Nandi, Rana; Bandyopadhyay, Debades; Mishustin, Igor N.; et al.

ASTROPHYSICAL JOURNAL Volume: 736 Issue: 2 Article Number: 156 Published: AUG 1 2011

4,705. Event Reconstruction Performance of the ALICE High Level Trigger p plus p for Collisions

By: Richter, M.; Aamodt, K.; Alt, T.; et al.

Group Author(s): ALICE Collaboration

IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 58 Issue: 4 Pages: 1706-1713 Part: 1

Published: AUG 2011

4,706. ALICE HLT High Speed Tracking on GPU

By: Gorbunov, Sergey; Rohr, David; Aamodt, Kenneth; et al.

Group Author(s): Alice Collaboration

IEEE TRANSACTIONS ON NUCLEAR SCIENCE Volume: 58 Issue: 4 Pages: 1845-1851 Part: 1

Published: AUG 2011

4,707. Phase Diagram of the ABC Model on an Interval (vol 137, pg 1166, 2009)

By: Ayyer, A.; Carlen, E. A.; Lebowitz, J. L.; et al.

JOURNAL OF STATISTICAL PHYSICS Volume: 144 Issue: 4 Pages: 920-921 Published: AUG 2011

4,708. On the way to meet the experimental observation of persistent current in a mesoscopic cylinder: A mean field study

By: Maiti, Santanu K.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 248 Issue: 8 Pages: 1933-1940

Published: AUG 2011

4,709. Experimental study of the  $\pi$  h ( $11/2$ ) band in Sb-113

By: Ganguly, S.; Banerjee, P.; Dey, A.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 77 Issue: 2 Pages: 277-287 Published: AUG 2011

4,710. Search for same-sign top-quark pair production at  $\sqrt{s}=7$  TeV and limits on flavour changing neutral currents in the top sector

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 005 Published: AUG 2011

4,711. Ceria associated manganese oxide nanoparticles: Synthesis, characterization and arsenic(V) sorption behavior

By: Gupta, Kaushik; Bhattacharya, Sayan; Chattopadhyay, Dhruvajyoti; et al.

CHEMICAL ENGINEERING JOURNAL Volume: 172 Issue: 1 Pages: 219-229 Published: AUG 1 2011

4,712. Search for new physics with jets and missing transverse momentum in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): Collaboration CMS

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 155 Published: AUG 2011

4,713. Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 156 Published: AUG 2011

4,714. Super-Yang-Mills and M5-branes

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 136 Published: AUG 2011

4,715. Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at root s(NN)=2.76 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 141 Published: AUG 2011

4,716. Aharonov-Bohm effect in a class of noncommutative theories

By: Das, Ashok; Falomir, H.; Nieto, M.; et al.

PHYSICAL REVIEW D Volume: 84 Issue: 4 Article Number: 045002 Published: AUG 3 2011

4,717. Wetting Property of the Edges of Monoatomic Step on Graphite: Frictional-Force Microscopy and ab Initio Quantum Chemical Studies

By: Panigrahi, Swati; Bhattacharya, Anuradha; Bandyopadhyay, Debashree; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 115 Issue: 30 Pages: 14819-14826 Published: AUG 4 2011

4,718. Non-Fermi liquid corrections to the neutrino mean free path in dense quark matter

By: Pal, Kausik; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW D Volume: 84 Issue: 3 Article Number: 034004 Published: AUG 4 2011

4,719. Current-driven orbital order-disorder transition in LaMnO<sub>3</sub>

By: Mondal, Parthasarathi; Bhattacharya, Dipten; Mandal, P.

PHYSICAL REVIEW B Volume: 84 Issue: 7 Article Number: 075111 Published: AUG 5 2011

4,720. BLACK HOLE STATE COUNTING IN LOOP QUANTUM GRAVITY

By: Ghosh, A.; Mitra, P.

MODERN PHYSICS LETTERS A Volume: 26 Issue: 24 Pages: 1817-1823 Published: AUG 10 2011

4,721. Nonlinearity exponents in lightly doped conducting polymers

By: Talukdar, D.; Nandi, U. N.; Bardhan, K. K.; et al.

PHYSICAL REVIEW B Volume: 84 Issue: 5 Article Number: 054205 Published: AUG 11 2011

4,722. F-cell levels are altered with erythrocyte density in sickle cell disease

By: Basu, Sumanta; Dash, Bisnu Prasad; Patel, Dilip Kumar; et al.

BLOOD CELLS MOLECULES AND DISEASES Volume: 47 Issue: 2 Pages: 117-119 Published: AUG 15 2011

4,723. Development of collective structures over noncollective excitations in Nd-139

By: Bhowal, S.; Gangopadhyay, G.; Petrache, C. M.; et al.

PHYSICAL REVIEW C Volume: 84 Issue: 2 Article Number: 024313 Published: AUG 17 2011

4,724. Discrete R symmetries and F-term supersymmetry breaking

By: Byakti, Pritibhajan

PHYSICAL REVIEW D Volume: 84 Issue: 3 Article Number: 035019 Published: AUG 19 2011

4,725. On the observability of collective flavor oscillations in diffuse supernova neutrino background

By: Chakraborty, Sovan; Choubey, Sandhya; Kar, Kamales

PHYSICS LETTERS B Volume: 702 Issue: 4 Pages: 209-215 Published: AUG 19 2011

4,726. Even-odd effects in Z and N distributions of fragments emitted at intermediate energies

By: Lombardo, I.; Agodi, C.; Amorini, F.; et al.

PHYSICAL REVIEW C Volume: 84 Issue: 2 Article Number: 024613 Published: AUG 22 2011

4,727. Phase diagram of the one-dimensional Hubbard-Holstein model at quarter filling

By: Reja, Sahinur; Yarlagadda, Sudhakar; Littlewood, Peter B.

PHYSICAL REVIEW B Volume: 84 Issue: 8 Article Number: 085127 Published: AUG 25 2011

4,728. Measurement of the t-Channel Single Top Quark Production Cross Section in pp Collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 107 Issue: 9 Article Number: 091802 Published: AUG 25 2011

4,729. Regulation of miR-146a by RelA/NFkB and p53 in STHdh(Q111)/Hdh(Q111) Cells, a Cell Model of Huntington's Disease

By: Ghose, Jayeeta; Sinha, Mithun; Das, Eashita; et al.

PLOS ONE Volume: 6 Issue: 8 Article Number: e23837 Published: AUG 26 2011

4,730. Solidlike and liquidlike behavior in monolayers and multilayers of metal-bearing amphiphiles

By: Mukherjee, Smita; Datta, Alokmay; Giglia, Angelo; et al.

PHYSICAL REVIEW E Volume: 84 Issue: 2 Article Number: 021606 Part: 1 Published: AUG 29 2011

4,731. Search for Three-Jet Resonances in pp Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 107 Issue: 10 Article Number: 101801 Published: AUG 29 2011

4,732. Study of Three-Quasiparticle Band in (83) Kr

By: Ganguly, S.; Dey, Aparajita; Banerjee, P.; et al.

BRAZILIAN JOURNAL OF PHYSICS Volume: 41 Issue: 2-3 Pages: 135-139 Published: SEP 2011

4,733. Elevated levels of redox regulators, membrane-bound globin chains, and cytoskeletal protein fragments in hereditary spherocytosis erythrocyte proteome

By: Saha, Sutapa; Ramanathan, Rajeswari; Basu, Avik; et al.

EUROPEAN JOURNAL OF HAEMATOLOGY Volume: 87 Issue: 3 Pages: 259-266 Published: SEP 2011

4,734. C-Terminal extension of a plant cysteine protease modulates proteolytic activity through a partial inhibitory mechanism

By: Dutta, Sruti; Choudhury, Debi; Dattagupta, Jiban K.; et al.

FEBS JOURNAL Volume: 278 Issue: 17 Pages: 3012-3024 Published: SEP 2011

4,735. Influence of annealing temperature on the structural, topographical and optical properties of sol-gel derived ZnO thin films

By: Sengupta, Joydip; Sahoo, R. K.; Bardhan, K. K.; et al.

MATERIALS LETTERS Volume: 65 Issue: 17-18 Pages: 2572-2574 Published: SEP 2011

4,736. Magneto-transport in a mesoscopic ring with Rashba and Dresselhaus spin-orbit interactions

By: Maiti, Santanu K.; Dey, Moumita; Sil, Shreekantha; et al.

EPL Volume: 95 Issue: 5 Article Number: 57008 Published: SEP 2011

4,737. Measurement of the  $t(\bar{t})$  production cross section in pp collisions at  $\sqrt{s}=7$  TeV using the kinematic properties of events with leptons and jets

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 71 Issue: 9 Article Number: 1721 Published: SEP 2011

4,738. Shear waves in an inhomogeneous strongly coupled dusty plasma

By: Janaki, M. S.; Banerjee, D.; Chakrabarti, N.

PHYSICS OF PLASMAS Volume: 18 Issue: 9 Article Number: 092114 Published: SEP 2011

4,739. Cyclic voltammetric studies of 1,2,4-trihydroxy-9,10-anthraquinone, its interaction with calf thymus DNA and anti-leukemic activity on MOLT-4 cell lines: a comparison with anthracycline anticancer drugs

By: Das, Piyal; Guina, Partha Sarathi; Mandal, Parikshit C.; et al.

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY Volume: 24 Issue: 9 Pages: 774-785 Published: SEP 2011

4,740. Measurement of the underlying event activity at the LHC with root  $s=7$  TeV and comparison with root  $s=0.9$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 109 Published: SEP 2011

4,741. Surface spin glass and exchange bias effect in  $\text{Sm}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$  manganites nano particles

By: Giri, S. K.; Poddar, A.; Nath, T. K.

AIP ADVANCES Volume: 1 Issue: 3 Article Number: 032110 Published: SEP 2011

4,742. Identification of substrates of an S-phase cell cycle kinase from *Leishmania donovani*

By: Maity, Anup Kumar; Goswami, Alakananda; Saha, Partha

FEBS LETTERS Volume: 585 Issue: 17 Pages: 2635-2639 Published: SEP 2 2011

4,743. NNLO QCD corrections to the resonant sneutrino/slepton production at hadron colliders

By: Majhi, Swapan; Mathews, Prakash; Ravindran, V.

NUCLEAR PHYSICS B Volume: 850 Issue: 2 Pages: 287-320 Published: SEP 11 2011

4,744. Conserved density fluctuation and temporal correlation function in hard thermal loop perturbation theory

By: Haque, Najmul; Mustafa, Munshi G.; Thoma, Markus H.

PHYSICAL REVIEW D Volume: 84 Issue: 5 Article Number: 054009 Published: SEP 13 2011

4,745. Search for first generation scalar leptoquarks in the  $e \nu_{jj}$  channel in pp collisions at root  $s=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 703 Issue: 3 Pages: 246-266 Published: SEP 14 2011

4,746. Modifications of local structures of  $\text{Gd}_2\text{O}_3$  on incorporation of  $\text{SiO}_2$

By: Das, N. C.; Sahoo, N. K.; Bhattacharyya, D.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 6 Article Number: 063527 Published: SEP 15 2011

4,747. Determination of Rashba and Dresselhaus spin-orbit fields

By: Maiti, Santanu K.

JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 6 Article Number: 064306 Published: SEP 15 2011

4,748. Unoccupied electronic structure of graphite probed by angle-resolved photoemission spectroscopy

By: Krishnakumar, S. K. Mahatha; Menon, S. R.; Balasubramanian, T.

PHYSICAL REVIEW B Volume: 84 Issue: 11 Article Number: 113106 Published: SEP 16 2011

4,749. Measurement of the B-s(0) Production Cross Section with B-s(0) -> J/psi phi Decays in pp Collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 84 Issue: 5 Article Number: 052008 Published: SEP 20 2011

4,750. Wilson loops in (p+1)-dimensional Yang-Mills theories using gravity/gauge theory correspondence

By: Chakraborty, Somdeb; Roy, Shibaji

NUCLEAR PHYSICS B Volume: 850 Issue: 3 Pages: 463-476 Published: SEP 21 2011

4,751. Universality of scaling and multiscaling in turbulent symmetric binary fluids

By: Ray, Samriddhi Sankar; Basu, Abhik

PHYSICAL REVIEW E Volume: 84 Issue: 3 Article Number: 036316 Part: 2 Published: SEP 21 2011

4,752. Genome wide gene expression regulation by HIP1 Protein Interactor, HIPPI: Prediction and validation

By: Datta, Moumita; Choudhury, Ananyo; Lahiri, Ansuman; et al.

BMC GENOMICS Volume: 12 Article Number: 463 Published: SEP 26 2011

4,753. Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 84 Issue: 5 Article Number: 052011 Published: SEP 29 2011

4,754. Regulation of RE1 Protein Silencing Transcription Factor (REST) Expression by HIP1 Protein Interactor (HIPPI)

By: Datta, Moumita; Bhattacharyya, Nitai P.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 286 Issue: 39 Pages: 33759-33769 Published: SEP 30 2011

4,755. ARCEBS in brief

By: Lahiri, Susanta; Das, S. K.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 290 Issue: 1 Pages: 1-3 Published: OCT 2011



- 4,756. Probable nuclear reactions to produce proton rich rhenium radionuclides  
By: Maiti, Moumita  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 290 Issue: 1 Pages: 11-16  
Published: OCT 2011
- 4,757. Separation of Cs-134 and Ba-133 radionuclides by calcium alginate beads  
By: Mandal, Ajoy; Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 290 Issue: 1 Pages: 115-118  
Published: OCT 2011
- 4,758. Emergent cooperation amongst competing agents in minority games  
By: Dhar, Deepak; Sasidevan, V.; Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 390 Issue: 20 Pages: 3477-3485  
Published: OCT 1 2011
- 4,759. Production and separation of no-carrier-added thallium isotopes from proton irradiated (Hg<sub>2</sub>Cl<sub>2</sub>)-Hg-nat matrix  
By: Dutta, Binita; Maiti, Moumita; Lahiri, Susanta  
APPLIED RADIATION AND ISOTOPES Volume: 69 Issue: 10 Pages: 1337-1342  
Published: OCT 2011
- 4,760. Wnt/Ca<sup>2+</sup> signaling pathway: a brief overview  
By: De, Antara  
ACTA BIOCHIMICA ET BIOPHYSICA SINICA Volume: 43 Issue: 10 Pages: 745-756  
Published: OCT 2011
- 4,761. Correlation of testicular toxicity and oxidative stress induced by chlorpyrifos in rats  
By: Mandal, Tapas Kumar; Das, Niladri Sekhar  
HUMAN & EXPERIMENTAL TOXICOLOGY Volume: 30 Issue: 10 Pages: 1529-1539  
Published: OCT 2011
- 4,762. Nonlinear behavior of electron acoustic waves in an un-magnetized plasma  
By: Dutta, Manjistha; Chakrabarti, Nikhil; Roychoudhury, Rajkumar; et al.  
PHYSICS OF PLASMAS Volume: 18 Issue: 10 Article Number: 102301  
Published: OCT 2011
- 4,763. Measurement of the inclusive W and Z production cross sections in pp collisions at root s = 7 TeV with the CMS experiment  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 132  
Published: OCT 2011
- 4,764. Measurement of the Drell-Yan cross section in pp collisions at root s=7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 007  
Published: OCT 2011

- 4,765. Quantum Transport Through Mesoscopic Rings: A Way of Current Modulation  
By: Maiti, Santanu K.  
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE Volume: 8 Issue: 10 Pages: 1977-1981 Published: OCT 2011
- 4,766. Surface antiferromagnetic domain imaging using low-energy unpolarized electrons  
By: Menon, Krishnakumar S. R.; Mandal, Suman; Das, Jayanta; et al.  
PHYSICAL REVIEW B Volume: 84 Issue: 13 Article Number: 132402 Published: OCT 3 2011
- 4,767. Driven k-mers: Correlations in space and time  
By: Gupta, Shamik; Barma, Mustansir; Basu, Urna; et al.  
PHYSICAL REVIEW E Volume: 84 Issue: 4 Article Number: 041102 Part: 1 Published: OCT 3 2011
- 4,768. The thermal chiral anomaly in the Schwinger model  
By: Das, Ashok; Frenkel, J.  
PHYSICS LETTERS B Volume: 704 Issue: 1-2 Pages: 85-88 Published: OCT 5 2011
- 4,769. Nonlinear wave propagation in a gravitating quantum fluid  
By: Ghosh, Samiran; Chakrabarti, Nikhil  
PHYSICAL REVIEW E Volume: 84 Issue: 4 Article Number: 046601 Part: 2 Published: OCT 6 2011
- 4,770. Can flavor physics hint at distinctive signals for R-parity violation at the LHC?  
By: Bhattacharjee, Biplob; Bhattacharyya, Gautam; Raychaudhuri, Sreerup  
PHYSICAL REVIEW D Volume: 84 Issue: 7 Article Number: 075006 Published: OCT 7 2011
- 4,771. An advanced cathodoluminescence facility in a high-resolution scanning electron microscope for nanostructure characterization  
By: Das, Pabitra; Chini, Tapas Kumar  
CURRENT SCIENCE Volume: 101 Issue: 7 Pages: 849-854 Published: OCT 10 2011
- 4,772. Structural change of the unique-parity  $\pi h(11/2)$  circle times  $\nu h(11/2)$  configuration in Cs-134  
By: Pai, H.; Mukherjee, G.; Raghav, A.; et al.  
PHYSICAL REVIEW C Volume: 84 Issue: 4 Article Number: 041301 Published: OCT 10 2011
- 4,773. Production of a cascade hyperon in the K--proton interaction  
By: Shyam, R.; Scholten, O.; Thomas, A. W.  
PHYSICAL REVIEW C Volume: 84 Issue: 4 Article Number: 042201 Published: OCT 10 2011
- 4,774. Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 704 Issue: 3 Pages: 123-142 Published: OCT 13 2011
- 4,775. A search for excited leptons in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 704 Issue: 3 Pages: 143-162 Published: OCT 13 2011

4,776. Langmuir-Blodgett deposition selects carboxylate headgroup coordination

By: Mukherjee, Smita; Datta, Alokmay

PHYSICAL REVIEW E Volume: 84 Issue: 4 Article Number: 041601 Part: 1 Published: OCT 18 2011

4,777. The ANC of O-16 subthreshold states from C-12(Li-6, d) reaction at energies near the barrier

By: Adhikari, Sucheta; Basu, Chinmay

PHYSICS LETTERS B Volume: 704 Issue: 4 Pages: 308-311 Published: OCT 19 2011

4,778. NEUTRINO MASSES, COSMOLOGICAL BOUND AND FOUR ZERO YUKAWA TEXTURES

By: Adhikary, Biswajit; Ghosal, Ambar; Roy, Probir

MODERN PHYSICS LETTERS A Volume: 26 Issue: 32 Pages: 2427-2435 Published: OCT 20 2011

4,779. New measurement of cross sections of evaporation residues from the Pr-nat+C-12 reaction: A comparative study on the production of Tb-149

By: Maiti, Moumita

PHYSICAL REVIEW C Volume: 84 Issue: 4 Article Number: 044615 Published: OCT 21 2011

4,780. Nonlinear generation of sheared flows and zonal magnetic fields by electron whistlers in plasmas

By: Chakrabarti, Nikhil; Shukla, Padma K.

PHYSICS LETTERS A Volume: 375 Issue: 44 Pages: 3880-3883 Published: OCT 24 2011

4,781. Nuclear modification factor in an anisotropic quark-gluon plasma

By: Mandal, Mahatsab; Bhattacharya, Lusaka; Roy, Pradip

PHYSICAL REVIEW C Volume: 84 Issue: 4 Article Number: 044910 Published: OCT 24 2011

4,782. Search for physics beyond the standard model using multilepton signatures in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 704 Issue: 5 Pages: 411-433 Published: OCT 25 2011

4,783. Rapidity and transverse momentum dependence of inclusive J/psi production in pp collisions at root s=7 TeV

By: Aamodt, K.; Quintana, A. Abrahantes; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 704 Issue: 5 Pages: 442-455 Published: OCT 25 2011

4,784. Effect of DNA Groove Binder Distamycin A upon Chromatin Structure

By: Majumder, Parijat; Dasgupta, Dipak

PLOS ONE Volume: 6 Issue: 10 Article Number: e26486 Published: OCT 26 2011

4,785. Photochemical E(trans)-Z(cis)-E Isomerization of an Amphiphilic Cholest-5-en-3 beta-yl(E)-9-anthraceneprop-2-enoate on Solid Substrate  
By: Prashanthi, Suthari; Kumar, P. Hemant; Siva, D.; et al.  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 115 Issue: 42 Pages: 20682-20688 Published: OCT 27 2011

4,786. Determination of jet energy calibration and transverse momentum resolution in CMS  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF INSTRUMENTATION Volume: 6 Article Number: P11002 Published: NOV 2011

4,787. A new approach to modified gravity models  
By: Chakrabarti, Sayan K.; Saridakis, Emmanuel N.; Sen, Anjan A.  
GENERAL RELATIVITY AND GRAVITATION Volume: 43 Issue: 11 Pages: 3065-3078 Published: NOV 2011

4,788. Nondestructive Characterization of Municipal-Solid-Waste-Contaminated Surface Soil by Energy-Dispersive X-ray Fluorescence and Low-Z (Atomic Number) Particle Electron Probe X-ray Microanalysis  
By: Gupta, Dhruvajyoti; Ghosh, Rita; Mitra, Ajoy K.; et al.  
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION Volume: 61 Issue: 11 Special Issue: SI Pages: 1102-1114 Published: NOV 2011

4,789. Cloning, expression, purification, crystallization and preliminary X-ray analysis of the 31 kDa Vibrio cholerae heat-shock protein VcHsp31  
By: Das, Samir; Dey, Sanjay; Roy, Trina; et al.  
ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 67 Pages: 1382-1385 Part: 11 Published: NOV 2011

4,790. Magnetic field induced metal-insulator transition in a kagome nanoribbon  
By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.  
JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 9 Article Number: 094306 Published: NOV 1 2011

4,791. Effect of magnetic field and pressure on charge-orbital ordering in Pr(Sr<sub>1-x</sub>Cax)<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub> (x=0.4 and 0.9) single crystals  
By: Thiyagarajan, R.; Deng, Guochu; Arumugam, S.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 9 Article Number: 093905 Published: NOV 1 2011

4,792. Search for B-s(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) Decays in pp Collisions at root s=7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 107 Issue: 19 Article Number: 191802 Published: NOV 1 2011

- 4,793. Identifying universality classes of absorbing phase transitions by block renormalization  
By: Basu, Urna; Hinrichsen, Heye  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P11023  
Published: NOV 2011
- 4,794. Isospin Aspects in Nuclear Reactions Involving Ca Beams at 25 MeV/nucleon  
By: Lombardo, I.; Agodi, C.; Alba, R.; et al.  
PHYSICS OF ATOMIC NUCLEI Volume: 74 Issue: 11 Pages: 1562-1566 Published: NOV 2011
- 4,795. Micro RNA-214,-150,-146a and-125b target Huntingtin gene  
By: Sinha, Mithun; Ghose, Jayeeta; Bhattacharyya, Nitai P.  
RNA BIOLOGY Volume: 8 Issue: 6 Pages: 1005-1021 Published: NOV-DEC 2011
- 4,796. Measurement of energy flow at large pseudorapidities in pp collisions at  $\sqrt{s}=0.9$  and 7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 148 Published: NOV 2011
- 4,797. Application of differential charging in XPS for structural study of Langmuir-Blodgett films  
By: Islam, A. K. M. Maidul; Mukherjee, M.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 23 Issue: 43 Article Number: 435005  
Published: NOV 2 2011
- 4,798. Evidence for alpha-particle condensation in nuclei from the Hoyle state deexcitation  
By: Raduta, Ad R.; Borderie, B.; Geraci, E.; et al.  
PHYSICS LETTERS B Volume: 705 Issue: 1-2 Pages: 65-70 Published: NOV 3 2011
- 4,799. Non-Fermi liquid behavior of the drag and diffusion coefficients in QED plasma  
By: Sarkar, Sreemoyee; Dutt-Mazumder, Abhee K.  
PHYSICAL REVIEW D Volume: 84 Issue: 9 Article Number: 096009 Published: NOV 10 2011
- 4,800. Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): Erdmann, W; CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 107 Issue: 20 Article Number: 201804 Published: NOV 10 2011
- 4,801. Measurement of the  $t\bar{t}$  production cross section in pp collisions at 7 TeV in lepton plus jets events using b-quark jet identification  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 84 Issue: 9 Article Number: 092004 Published: NOV 14 2011

- 4,802. Structural and morphological characterization of molecular beam epitaxy grown Si/Ge multilayer using x-ray scattering techniques  
By: Sharma, M.; Sanyal, M. K.; Mukhopadhyay, M. K.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 10 Article Number: 102204 Published: NOV 15 2011
- 4,803. Mean-field solutions of kinetic-exchange opinion models  
By: Biswas, Soumyajyoti  
PHYSICAL REVIEW E Volume: 84 Issue: 5 Article Number: 056106 Part: 2 Published: NOV 17 2011
- 4,804. Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 107 Issue: 22 Article Number: 221804 Published: NOV 21 2011
- 4,805. Functional Implications of the Conformational Switch in AICD Peptide upon Binding to Grb2-SH2 Domain  
By: Das, Samir; Raychaudhuri, Mithu; Sen, Udayaditya; et al.  
JOURNAL OF MOLECULAR BIOLOGY Volume: 414 Issue: 2 Pages: 217-230 Published: NOV 25 2011
- 4,806. Microstructural and magnetic characterization of fly ash from Kolaghat Thermal Power Plant in West Bengal, India  
By: Bhattacharjee, A.; Mandal, H.; Roy, M.; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 323 Issue: 23 Pages: 3007-3012  
Published: DEC 2011
- 4,807. Valence behavior of Eu-ions in intermetallic compound Ce<sub>0.5</sub>Eu<sub>0.5</sub>Pd<sub>3</sub>B<sub>0.5</sub>  
By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 323 Issue: 24 Pages: 3281-3284  
Published: DEC 2011
- 4,808. Enhanced ultraviolet-visible cathodoluminescence from Ar<sup>+</sup> beam-induced nano-patterned silicon  
By: Das, Pabitra; Chini, Tapas Kumar  
JOURNAL OF LUMINESCENCE Volume: 131 Issue: 12 Pages: 2769-2774 Published: DEC 2011
- 4,809. Structure and Energy of Non-Canonical Basepairs: Comparison of Various Computational Chemistry Methods with Crystallographic Ensembles  
By: Panigrahi, Swati; Pal, Rahul; Bhattacharyya, Dhananjay  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 29 Issue: 3 Pages: 541-556  
Published: DEC 2011

4,810. Overexpression, purification, crystallization and preliminary X-ray analysis of CheY4 from *Vibrio cholerae* O395

By: Biswas, Maitree; Khamrui, Susmita; Sen, Udayaditya; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION  
COMMUNICATIONS Volume: 67 Pages: 1645-1648 Part: 12 Published: DEC 2011

4,811. Faster heme loss from hemoglobin E than HbS, in acidic pH: Effect of aminophospholipids

By: Banerjee, Mousumi; Pramanik, Malini; Bhattacharya, Dipankar; et al.

JOURNAL OF BIOSCIENCES Volume: 36 Issue: 5 Pages: 809-816 Published: DEC 2011

4,812. Fe-spin reorientation in PrFeAsO: Evidences from resistivity and specific heat studies

By: Bhoi, D.; Mandal, P.; Choudhury, P.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 11 Article Number: 113722 Published: DEC 1  
2011

4,813. Reorganization of Au nanoparticle Langmuir-Blodgett films on wet chemically passivated Si(001) surfaces

By: Kundu, Sarathi; Bal, J. K.

JOURNAL OF APPLIED PHYSICS Volume: 110 Issue: 11 Article Number: 114302 Published: DEC 1  
2011

4,814. Negative edge plasma currents in the SINP tokamak

By: Narayanan, Ramesh; Iyengar, A. N. Sekar

PRAMANA-JOURNAL OF PHYSICS Volume: 77 Issue: 6 Pages: 1135-1149 Published: DEC 2011

4,815. Lorentz-preserving fields in Lorentz-violating theories

By: Ganguly, O.; Gangopadhyay, D.; Majumdar, P.

EPL Volume: 96 Issue: 6 Article Number: 61001 Published: DEC 2011

4,816. Nonlinear lower hybrid oscillations in a cold viscous plasma

By: Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 18 Issue: 12 Article Number: 124502 Published: DEC 2011

4,817. Synthesis of Dicationic Ionic Liquids and their Application in the Preparation of Hierarchical Zeolite Beta

By: Kore, Rajkumar; Satpati, Biswarup; Srivastava, Rajendra

CHEMISTRY-A EUROPEAN JOURNAL Volume: 17 Issue: 51 Pages: 14360-14365 Published: DEC  
2011

4,818. Binding interaction of photoactive drug Merocyanine 540 with fiber like protein spectrin: A spectroscopic approach

By: Banerjee, Mousumi; Chakrabarti, Abhijit; Basu, Samita

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 88 Issue: 12 Pages: 1895-1902 Published:  
DEC 2011

- 4,819. Finite size versus surface effects on magnetic properties of antiferromagnetic particles  
By: Mandal, Suman; Menon, Krishnakumar S. R.; Mahatha, S. K.; et al.  
APPLIED PHYSICS LETTERS Volume: 99 Issue: 23 Article Number: 232507 Published: DEC 5 2011
- 4,820. Black Hole Entropy and Isolated Horizons Thermodynamics  
By: Ghosh, Amit; Perez, Alejandro  
PHYSICAL REVIEW LETTERS Volume: 107 Issue: 24 Article Number: 241301 Published: DEC 6 2011
- 4,821. Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 84 Issue: 11 Article Number: 112002 Published: DEC 8 2011
- 4,822. Spin analysis of s-channel diphoton resonances at the LHC  
By: Kumar, M. C.; Mathews, Prakash; Pankov, A. A.; et al.  
PHYSICAL REVIEW D Volume: 84 Issue: 11 Article Number: 115008 Published: DEC 8 2011
- 4,823. Femtoscopy of pp collisions at root s=0.9 and 7 TeV at the LHC with two-pion Bose-Einstein correlations  
By: Aamodt, K.; Abrahantes Quintana, A.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW D Volume: 84 Issue: 11 Article Number: 112004 Published: DEC 14 2011
- 4,824. Encapsulation of 3-hydroxyflavone in gamma-cyclodextrin nanocavities: Excited state proton transfer fluorescence and molecular docking studies  
By: Pahari, Biswapathik; Chakraborty, Sandipan; Sengupta, Pradeep K.  
JOURNAL OF MOLECULAR STRUCTURE Volume: 1006 Issue: 1-3 Pages: 483-488 Published: DEC 14 2011
- 4,825. R-parity violating flavor symmetries, recent neutrino data, and absolute neutrino mass scale  
By: Bhattacharyya, Gautam; Paes, Heinrich; Pidt, Daniel  
PHYSICAL REVIEW D Volume: 84 Issue: 11 Article Number: 113009 Published: DEC 15 2011
- 4,826. Production cross section of At radionuclides from Li-7 + Pb-nat and Be-9 + Tl-nat reactions  
By: Maiti, Moumita; Lahiri, Susanta  
PHYSICAL REVIEW C Volume: 84 Issue: 6 Article Number: 067601 Published: DEC 16 2011
- 4,827. Anisotropic magnetic properties and giant magnetocaloric effect in antiferromagnetic RMnO<sub>3</sub> crystals (R = Dy, Tb, Ho, and Yb)  
By: Midya, A.; Das, S. N.; Mandal, P.; et al.  
PHYSICAL REVIEW B Volume: 84 Issue: 23 Article Number: 235127 Published: DEC 20 2011
- 4,828. Shear viscosity and the nucleation of antikaon condensed matter in protoneutron stars  
By: Banik, Sarmistha; Nandi, Rana; Bandyopadhyay, Debades



PHYSICAL REVIEW C Volume: 84 Issue: 6 Article Number: 065804 Published: DEC 20 2011

4,829. Effect of Lipid Molecule Headgroup Mismatch on Non Steroidal Anti-Inflammatory Drugs Induced Membrane Fusion

By: Mondal, Sutapa; Sarkar, Munna

LANGMUIR Volume: 27 Issue: 24 Pages: 15054-15064 Published: DEC 20 2011

4,830. First observation of high spin states and isomeric decay in Fr-210

By: Kanjilal, D.; Saha, S.; Bhattacharya, S.; et al.

PHYSICAL REVIEW C Volume: 84 Issue: 6 Article Number: 064321 Published: DEC 27 2011

4,831. Phase transition in an exactly solvable extinction model

By: Bagchi, Debarshee; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 84 Issue: 6 Article Number: 061921 Part: 1 Published: DEC 28 2011

4,832. Expectations on  $B \rightarrow (K-0^{*}(1430), K-2^{*}(1430))\pi$  decays

By: Chen, Chuan-Hung; Geng, Chao-Qiang

PHYSICAL REVIEW D Volume: 75 Issue: 5 Article Number: 054010 Published: MAR 2007

4,833. Hydroxyapatite-supported Cu(I)-catalysed cyanation of styrenyl bromides with  $K_4[Fe(CN)_6]$ : an easy access to cinnamitriles

By: Saha, Debasree; Adak, Laksmikanta; Mukherjee, M.; et al.

ORGANIC & BIOMOLECULAR CHEMISTRY Volume: 10 Issue: 5 Pages: 952-957 Published: 2012

4,834. Preface

By: Sanyal, Milan K.

RADIOCHIMICA ACTA Volume: 100 Issue: 2 Pages: 65-65 Published: 2012

4,835. Recent developments in nuclear data measurements and chemical separation methods in accelerator production of astatine and technetium radionuclides

By: Lahiri, S.; Maiti, M.

RADIOCHIMICA ACTA Volume: 100 Issue: 2 Pages: 85-94 Published: 2012

4,836. High Ferromagnetic Transition Temperature in PbS and PbS:Mn Nanowires

By: Mandal, Swapan K.; Mandal, Arup Ratan; Banerjee, Sangam

ACS APPLIED MATERIALS & INTERFACES Volume: 4 Issue: 1 Pages: 205-209 Published: JAN 2012

4,837. Physics of a metal-correlated barrier-metal heterostructure

By: Gupta, Sanjay; Gupta, Tribikram

SOLID STATE COMMUNICATIONS Volume: 152 Issue: 2 Pages: 53-55 Published: JAN 2012

4,838. Substrate and drying effect in shape and ordering of micelles inside CTAB-silica mesostructured films

By: Chatterjee, P.; Hazra, S.; Amenitsch, H.

SOFT MATTER Volume: 8 Issue: 10 Pages: 2956-2964 Published: 2012

4,839. Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 1 Article Number: 1839 Published: JAN 2012

4,840. Gottwald Melborune (0-1) test for chaos in a plasma

By: Chowdhury, D. R.; Iyengar, A. N. S.; Lahiri, S.

NONLINEAR PROCESSES IN GEOPHYSICS Volume: 19 Issue: 1 Pages: 53-56 Published: 2012

4,841. A brief study on coevolution of Ising dynamics

By: Hajra, K. B.; Chandra, A. K.

EUROPEAN PHYSICAL JOURNAL B Volume: 85 Issue: 1 Article Number: 27 Published: JAN 2012

4,842. Morphology induced magnetic instabilities on oxide antiferromagnetic surfaces

By: Mandal, Suman; Menon, Krishnakumar S. R.

EUROPEAN PHYSICAL JOURNAL B Volume: 85 Issue: 1 Article Number: 2 Published: JAN 2012

4,843. Measurement of charm production at central rapidity in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Abrahantes Quintana, A.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 128 Published: JAN 2012

4,844. A comparative study on the interaction with calf thymus DNA of a Ni(II) complex of the anticancer drug adriamycin and a Ni(II) complex of sodium 1,4-dihydroxy-9,10-anthraquinone-2-sulphonate

By: Guin, Partha Sarathi; Mandal, P. C.; Das, Saurabh

JOURNAL OF COORDINATION CHEMISTRY Volume: 65 Issue: 4 Pages: 705-721 Published: 2012

4,845. Jet production rates in association with W and Z bosons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 010 Published: JAN 2012

4,846. Exclusive  $\gamma\gamma \rightarrow \mu^+\mu^-$  production in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 052 Published: JAN 2012

4,847. Phase structure of fuzzy black holes

By: Digal, S.; Govindarajan, T. R.; Gupta, Kumar S.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 027 Published: JAN 2012

4,848. "PATCH"-ING UP THE NEURONS: REVIVAL OR ENERVATION?

By: Ghosh, Sayantani; Chakrabarti, Arunabha; Mukhopadhyay, Debashis

VITAMINS AND HORMONES: HEDGEHOG SIGNALING Book Series: Vitamins and Hormones Volume: 88 Pages: 439-459 Published: 2012

4,849. Performance of tau-lepton reconstruction and identification in CMS

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P01001 Published: JAN 2012

4,850. Nanoparticles influence on expression of cell cycle related genes in Drosophila: a microarray-based toxicogenomics study

By: Das, Sumistha; Debnath, Nitai; Patra, Prasun; et al.

TOXICOLOGICAL AND ENVIRONMENTAL CHEMISTRY Volume: 94 Issue: 5 Pages: 952-957  
Published: 2012

4,851. Benzene tetracarboxylic acid doped polyaniline nanostructures: morphological, spectroscopic and electrical characterization

By: Rana, Utpal; Chakrabarti, Kuntal; Malik, Sudip

JOURNAL OF MATERIALS CHEMISTRY Volume: 22 Issue: 31 Pages: 15665-15671 Published: 2012

4,852. Ion erosion induced nanostructured semiconductor surfaces

By: Venugopal, V.; Basu, T.; Garg, S.; et al.

INTERNATIONAL JOURNAL OF NANOTECHNOLOGY Volume: 9 Issue: 10-12 Special Issue: SI Pages: 1007-1016 Published: 2012

4,853. The N-Terminal SH3 Domain of Grb2 is Required for Endosomal Localization of A beta PP

By: Raychaudhuri, Mithu; Roy, Kasturi; Das, Samir; et al.

JOURNAL OF ALZHEIMERS DISEASE Volume: 32 Issue: 2 Pages: 479-493 Published: 2012

4,854. Synthesis, spectroscopic, and crystallographic characterizations of an antiferromagnetically coupled, oxobridged trinuclear manganese(IV) cluster [Mn<sub>3</sub>O<sub>4</sub>(H<sub>2</sub>O)<sub>2</sub>(phen)<sub>4</sub>](NO<sub>3</sub>)<sub>4</sub>center dot 3H<sub>2</sub>O [phen=1,10-phenanthroline]

By: Biswas, Bhaskar; Pal, Abhijit; Mitra, Partha; et al.

JOURNAL OF COORDINATION CHEMISTRY Volume: 65 Issue: 23 Pages: 4067-4076 Published: 2012

4,855. Production and separation of no-carrier-added As-73 and Se-75 from Li-7 irradiated germanium oxide target

By: Mandal, A.; Lahiri, S.

RADIOCHIMICA ACTA Volume: 100 Issue: 11 Pages: 865-870 Published: 2012

4,856. Measurement of the production cross section for pairs of isolated photons in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

4,857. Performances of silicone coated high resistive bakelite RPC

By: Biswas, S.; Bhattacharya, Purba; Bhattacharya, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 661 Supplement: 1 Pages: S94-S97 Published: JAN 1 2012

4,858. Development of MMRPC prototype for the NeuLAND detector of the (RB)-B-3 collaboration

By: Pramanik, U. Datta; Chakraborty, S.; Basu, P.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 661 Supplement: 1 Pages: S149-S152 Published: JAN 1 2012

4,859. Inclusive search for squarks and gluinos in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 85 Issue: 1 Article Number: 012004 Published: JAN 11 2012

4,860. Topological susceptibility in lattice QCD with unimproved Wilson fermions

By: Chowdhury, Abhishek; De, Asit K.; De Sarkar, Sangita; et al.

PHYSICS LETTERS B Volume: 707 Issue: 1 Pages: 228-232 Published: JAN 16 2012

4,861. The enriched phase structure of black branes in canonical ensemble

By: Lu, J. X.; Roy, Shibaji; Xiao, Zhiguang

NUCLEAR PHYSICS B Volume: 854 Issue: 3 Pages: 913-925 Published: JAN 21 2012

4,862. Small quadrupole deformation for the dipole bands in In-112

By: Trivedi, T.; Palit, R.; Sethi, J.; et al.

PHYSICAL REVIEW C Volume: 85 Issue: 1 Article Number: 014327 Published: JAN 26 2012

4,863. Separation of no-carrier-added Gd-149 from C-12 activated natural praseodymium matrix

By: Maiti, Moumita; Lahiri, Susanta; Tomar, B. S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 291 Issue: 2 Pages: 427-432 Published: FEB 2012

4,864. Magnetic Field Effect on Photoinduced Electron Transfer Reaction Associated with Hydrogen Bond Formation in Homogeneous Medium

By: Chakraborty, Brotati; Basu, Samita

APPLIED MAGNETIC RESONANCE Volume: 42 Issue: 1 Pages: 5-15 Published: FEB 2012

4,865. Correlations of heavy quarks produced at the Large Hadron Collider

By: Younus, Mohammed; Jamil, Umme; Srivastava, Dinesh K.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 39 Issue: 2 Article Number: 025001 Published: FEB 2012

4,866. Influence of 2'-Deoxy Sugar Moiety on Excited-State Protonation Equilibrium of Adenine and Adenosine with Acridine inside SDS Micelles: A Time-Resolved Study with Quantum Chemical Calculations

By: Sarangi, Manas Kumar; Bhattacharyya, Dhananjay; Basu, Samita

CHEMPHYSCHEM Volume: 13 Issue: 2 Pages: 525-534 Published: FEB 2012

4,867. Ion-Beam-Synthesized Colloidal Silver Nanoclusters in Crystalline Sapphire as Third-Order Optical Material

By: Kozakiewicz, Anna; Ghosh, Binita; Chakraborty, Purushottam; et al.

IEEE PHOTONICS JOURNAL Volume: 4 Issue: 1 Pages: 205-214 Published: FEB 2012

4,868. FIRST EXPERIMENT AT TASCA TOWARDS X-RAY FINGERPRINTING OF ELEMENT 115 DECAY CHAINS

By: Forsberg, U.; Golubev, P.; Sarmiento, L. G.; et al.

ACTA PHYSICA POLONICA B Volume: 43 Issue: 2 Pages: 305-311 Published: FEB 2012

4,869.  $J/\psi$  and  $\psi(2S)$  production in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 011 Published: FEB 2012

4,870. Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 85 Issue: 3 Article Number: 032002 Published: FEB 7 2012

4,871. Continuous universality in nonequilibrium relaxational dynamics of O(2) symmetric systems

By: Sarkar, Niladri; Basu, Abhik

PHYSICAL REVIEW E Volume: 85 Issue: 2 Article Number: 021113 Part: 1 Published: FEB 9 2012

4,872. Fluctuating hydrodynamics and turbulence in a rotating fluid: Universal properties

By: Basu, Abhik; Bhattacharjee, Jayanta K.

PHYSICAL REVIEW E Volume: 85 Issue: 2 Article Number: 026311 Part: 2 Published: FEB 10 2012

4,873. Phase transitions in crowd dynamics of resource allocation

By: Ghosh, Asim; De Martino, Daniele; Chatterjee, Arnab; et al.

PHYSICAL REVIEW E Volume: 85 Issue: 2 Article Number: 021116 Part: 1 Published: FEB 10 2012

4,874. DIURNAL AND ANNUAL VARIATIONS OF DIRECTIONAL DETECTION RATES OF DARK MATTER

By: Bandyopadhyay, Abhijit; Majumdar, Debasish

ASTROPHYSICAL JOURNAL Volume: 746 Issue: 1 Article Number: 107 Published: FEB 10 2012

4,875. Calculating the jet quenching parameter in the plasma of noncommutative Yang-Mills theory from gauge/gravity duality

By: Chakraborty, Somdeb; Roy, Shibaji

PHYSICAL REVIEW D Volume: 85 Issue: 4 Article Number: 046006 Published: FEB 14 2012

4,876. Unzipping and binding of small interfering RNA with single walled carbon nanotube: A platform for small interfering RNA delivery

By: Santosh, Mogurampelly; Panigrahi, Swati; Bhattacharyya, Dhananjay; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 136 Issue: 6 Article Number: 065106 Published: FEB 14 2012

4,877. Pit formation on the Ge(100) surfaces by normal incident Si- ion implantation

By: Mollick, S. A.; Karmakar, S.; Metya, A.; et al.

APPLIED SURFACE SCIENCE Volume: 258 Issue: 9 Pages: 4129-4134 Published: FEB 15 2012

4,878. Nanostructures on GaAs surfaces due to 60 keV Ar<sup>+</sup>-ion beam sputtering

By: Venugopal, V.; Garg, Sandeep Kumar; Basu, Tanmoy; et al.

APPLIED SURFACE SCIENCE Volume: 258 Issue: 9 Pages: 4144-4147 Published: FEB 15 2012

4,879. Growth process of GaAs ripples as a function of incident Ar-ion dose

By: Datta, D.; Mondal, Shyamal; Bhattacharyya, S. R.

APPLIED SURFACE SCIENCE Volume: 258 Issue: 9 Pages: 4152-4155 Published: FEB 15 2012

4,880. Effect of thermal annealing and neutron irradiation in 6H-SiC implanted with silver at 350 degrees C and 600 degrees C

By: Hlatshwayo, T. T.; Malherbe, J. B.; van der Berg, N. G.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 273 Pages: 61-64 Published: FEB 15 2012

4,881. Behavior of iodine implanted in highly oriented pyrolytic graphite (HOPG) after heat treatment

By: Mukhawana, Mxolisi B.; Theron, Christiaan C.; Malherbe, Johan B.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 273 Pages: 65-67 Published: FEB 15 2012

4,882. On the performance of the HVE high-current accelerator system light-ion 3 MV Tandatron (TM)

By: Podaru, Nicolae C.; Gottdang, A.; Mous, D. J. W.

Group Author(s): FRENA Grp

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 273 Pages: 231-233 Published: FEB 15 2012

4,883. Temperature dependence of the symmetry energy of finite nuclei

By: De, J. N.; Samaddar, S. K.

PHYSICAL REVIEW C Volume: 85 Issue: 2 Article Number: 024310 Published: FEB 15 2012

4,884. Quantum statistics and noncommutative black holes

By: Gupta, Kumar S.; Meljanac, S.; Samsarov, A.

PHYSICAL REVIEW D Volume: 85 Issue: 4 Article Number: 045029 Published: FEB 22 2012

4,885. J/psi Polarization in pp Collisions at root s=7 TeV

By: Abelev, B.; Quintana, A. Abrahantes; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 108 Issue: 8 Article Number: 082001 Published: FEB 23 2012

4,886. Interaction of Nucleobases with Wrinkled Graphene Surface: Dispersion Corrected DFT and AFM Studies

By: Panigrahi, Swati; Bhattacharya, Anuradha; Banerjee, Sangam; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 116 Issue: 7 Pages: 4374-4379 Published: FEB 23 2012

4,887. Percolation in a kinetic opinion exchange model

By: Chandra, Anjan Kumar

PHYSICAL REVIEW E Volume: 85 Issue: 2 Article Number: 021149 Part: 1 Published: FEB 28 2012

4,888. Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at root s(NN)=2.76 TeV

By: Aamodt, K.; Abelev, B.; Abrahantes Quintana, A.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 708 Issue: 3-5 Pages: 249-264 Published: FEB 28 2012

4,889. Heavy flavour decay muon production at forward rapidity in proton-proton collisions at root s=7 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 708 Issue: 3-5 Pages: 265-275 Published: FEB 28 2012

4,890. Glassy behavior in the layered perovskites La<sub>2-x</sub>Sr<sub>x</sub>CoO<sub>4</sub> (1.1 ≤ x ≤ 1.3)

By: Mukherjee, S.; Mukherjee, Rajarshi; Banerjee, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 324 Issue: 6 Pages: 928-933  
Published: MAR 2012

4,891. Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at root S-NN=2.76 TeV

By: Aamodt, K.; Abelev, B.; Abrahantes Quintana, A.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 108 Issue: 9 Article Number: 092301 Published: MAR 1 2012

4,892. Binding of Cu(II) complexes of oxicam NSAIDs to alternating AT and homopolymeric AT sequences: differential response to variation in backbone structure

By: Chakraborty, Sreeja; Sehanobish, Esha; Sarkar, Munna

JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY Volume: 17 Issue: 3 Pages: 475-487 Published: MAR 2012

4,893. Interaction of Merocyanine 540 with serum albumins: Photophysical and binding studies  
By: Banerjee, Mousumi; Pal, Uttam; Subudhhi, Arijita; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 108 Pages: 23-33  
Published: MAR 1 2012

4,894. Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): Collaboration, C

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 3 Article Number: 1945 Published: MAR 2012

4,895. Search for the standard model Higgs boson in the  $H \rightarrow ZZ \rightarrow l^{(+)}l^{(-)}\tau^{(+)}\tau^{(-)}$  decay channel in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 081 Published: MAR 2012

4,896. Investigation of long-range temporal correlation in electron cyclotron resonance produced linear magnetized plasma of the MaPLE device

By: Biswas, Subir; Iyengar, A. N. S.; Pal, Rabindranath

PHYSICS OF PLASMAS Volume: 19 Issue: 3 Article Number: 032310 Published: MAR 2012

4,897. Vlasov-Maxwell equilibria: Examples from higher-curl Beltrami magnetic fields

By: Janaki, M. S.; Dasgupta, Brahmananda

PHYSICS OF PLASMAS Volume: 19 Issue: 3 Article Number: 032113 Published: MAR 2012

4,898. A new concept of photon having coexistent wave-particle duality

By: Pal, A. K.; Pal, D.

PHYSICS ESSAYS Volume: 25 Issue: 1 Pages: 34-37 Published: MAR 2012

4,899. Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at root s(NN)=2.76 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 053 Published: MAR 2012

4,900. Search for the standard model Higgs boson in the  $H \rightarrow ZZ \rightarrow 2l2\nu$  channel in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 040 Published: MAR 2012



- 4,901. Continuous transition of social efficiencies in the stochastic-strategy minority game  
By: Biswas, Soumyajyoti; Ghosh, Asim; Chatterjee, Arnab; et al.  
PHYSICAL REVIEW E Volume: 85 Issue: 3 Article Number: 031104 Part: 1 Published: MAR 2 2012
- 4,902. A geochemical approach to earthquake reconnaissance at the Baratang mud volcano, Andaman and Nicobar Islands  
By: Chaudhuri, Hirok; Ghose, Debasis; Bhandari, Rakesh K.; et al.  
JOURNAL OF ASIAN EARTH SCIENCES Volume: 46 Pages: 52-60 Published: MAR 2 2012
- 4,903. Large variations in the magnetic ordering behavior of  $\text{EuCu}_2\text{As}_2$  with the application of external pressure and magnetic field  
By: Sengupta, K.; Alzamora, M.; Fontes, M. B.; et al.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 9 Article Number: 096004  
Published: MAR 7 2012
- 4,904. Lepton-number violating effects in neutrino oscillations  
By: Hollenberg, Sebastian; Micu, Octavian; Pal, Palash B.  
PHYSICAL REVIEW D Volume: 85 Issue: 5 Article Number: 053004 Published: MAR 12 2012
- 4,905. Screening masses in gluonic plasma  
By: Chakraborty, Purnendu; Mustafa, Munshi G.; Thoma, Markus H.  
PHYSICAL REVIEW D Volume: 85 Issue: 5 Article Number: 056002 Published: MAR 12 2012
- 4,906. Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 108 Issue: 11 Article Number: 111801 Published: MAR 12 2012
- 4,907. Search for the Standard Model Higgs Boson in the Decay Channel  $H \rightarrow ZZ \rightarrow 4l$  in pp Collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 108 Issue: 11 Article Number: 111804 Published: MAR 13 2012
- 4,908. Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 709 Issue: 1-2 Pages: 28-49 Published: MAR 13 2012
- 4,909. Structure of hydrogenated diamond like carbon by Micro-Raman spectroscopy  
By: Datta, Jagannath; Ray, Nihar R.; Sen, Pintu; et al.

MATERIALS LETTERS Volume: 71 Pages: 131-133 Published: MAR 15 2012

4,910. Helium nuclei around the neutron drip line

By: Bhattacharya, Madhubrata; Gangopadhyay, G.; Roy, Subinit

PHYSICAL REVIEW C Volume: 85 Issue: 3 Article Number: 034312 Published: MAR 15 2012

4,911. Measurements and coupled reaction channels analysis of one- and two-proton transfer reactions for the Si-28+Zr-90,Zr-94 systems

By: Kalkal, Sunil; Mandal, S.; Jhingan, A.; et al.

PHYSICAL REVIEW C Volume: 85 Issue: 3 Article Number: 034606 Published: MAR 15 2012

4,912. Solid and solution structures and DNA binding properties of [M-II(4-CNpy)(2)(SO4)(H2O)(3)]center dot H2O for M = Cu, Co, Ni

By: Bhattacharyya, Manjit K.; Devi, P. Grihanjali; Dasgupta, Dipak; et al.

POLYHEDRON Volume: 35 Issue: 1 Pages: 62-68 Published: MAR 16 2012

4,913. Soft gluon emission off a heavy quark revisited

By: Abir, Raktim; Greiner, Carsten; Martinez, Mauricio; et al.

PHYSICAL REVIEW D Volume: 85 Issue: 5 Article Number: 054012 Published: MAR 16 2012

4,914. Integer quantum Hall effect in a square lattice revisited

By: Maiti, Santanu K.; Dey, Moumita; Karmakar, S. N.

PHYSICS LETTERS A Volume: 376 Issue: 16 Pages: 1366-1370 Published: MAR 19 2012

4,915. Species dependent aqueous biphasic extraction of some heavy metals

By: Das, Debashree; Sen, Kamalika

JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY Volume: 18 Issue: 2 Pages: 855-859  
Published: MAR 25 2012

4,916. Preparation and probing of coherent vibrational wave packets in the ground electronic state of HD+

By: Bhattacharya, Rangana; Chatterjee, Souvik; Bhattacharyya, S. S.

PHYSICAL REVIEW A Volume: 85 Issue: 3 Article Number: 033424 Published: MAR 27 2012

4,917. Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 710 Issue: 1 Pages: 26-48 Published: MAR 29 2012

4,918. Search for the standard model Higgs boson decaying to W+W- in the fully leptonic final state in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 710 Issue: 1 Pages: 91-113 Published: MAR 29 2012

4,919. Testicular gametogenic and steroidogenic activities in chlorpyrifos insecticide-treated rats: a correlation study with testicular oxidative stress and role of antioxidant enzyme defence systems in Sprague-Dawley rats

By: Mandal, T. K.; Das, N. S.

ANDROLOGIA Volume: 44 Issue: 2 Pages: 102-115 Published: APR 2012

4,920. Search for a Higgs boson in the decay channel  $H \rightarrow ZZ^{(*)} \rightarrow q(\bar{q})\bar{l}(l)$  in pp collisions at root  $s=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 036 Published: APR 2012

4,921. Association of aureolic acid antibiotic, chromomycin A3 with  $Cu^{2+}$  and its negative effect upon DNA binding property of the antibiotic

By: Lahiri, Shibojoyoti; Takao, Toshifumi; Devi, Pukhrambam Grihanjali; et al.

BIOMETALS Volume: 25 Issue: 2 Pages: 435-450 Published: APR 2012

4,922. Magnetic response in a zigzag carbon nanotube

By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.

EUROPEAN PHYSICAL JOURNAL B Volume: 85 Issue: 4 Article Number: 126 Published: APR 2012

4,923. Deciphering the binding mode of Zolpidem to GABA(A)  $\alpha(1)$  receptor - insights from molecular dynamics simulation

By: Vijayan, R. S. K.; Bhattacharyya, Dhananjay; Ghoshal, Nanda

JOURNAL OF MOLECULAR MODELING Volume: 18 Issue: 4 Pages: 1345-1354 Published: APR 2012

4,924. Nanopatterning of mica surface under low energy ion beam sputtering

By: Metya, A.; Ghose, D.; Mollick, S. A.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 111 Issue: 7 Article Number: 074306 Published: APR 1 2012

4,925. Modeling an array of encapsulated germanium detectors

By: Kshetri, R.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P04008 Published: APR 2012

4,926. Search for microscopic black holes in pp collisions at root  $s=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 061 Published: APR 2012

4,927. Search for  $B-S(0) \rightarrow \mu^{+}\mu^{-}$  and  $B-0 \rightarrow \mu^{+}\mu^{-}$  decays

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 033 Published: APR 2012

- 4,928. Inclusive b-jet production in pp collisions at root  $s=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 084 Published: APR 2012
- 4,929. Near-extremal black holes  
By: Chatterjee, Bhramar; Ghosh, Amit  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 125 Published: APR 2012
- 4,930. Polymer entanglement - A barrier to nanoparticles aggregation  
By: Biswas, Nupur; Datta, Alokmay  
CHEMICAL PHYSICS LETTERS Volume: 531 Pages: 177-182 Published: APR 2 2012
- 4,931. Magneto-transport in a binary alloy ring  
By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.  
PHYSICS LETTERS A Volume: 376 Issue: 18 Pages: 1567-1572 Published: APR 2 2012
- 4,932. Measurement of isolated photon production in pp and PbPb collisions at root  $s(NN)=2.76$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 710 Issue: 2 Pages: 256-277 Published: APR 4 2012
- 4,933. Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root  $s=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 710 Issue: 2 Pages: 284-306 Published: APR 4 2012
- 4,934. Microstructural, magnetic and optical characterizations of nanocrystalline  $Zn_{1-x}Mn_xO$  dilute magnetic semiconductors synthesized by mechanical alloying  
By: Sain, S.; Bhattacharjee, J.; Mukherjee, M.; et al.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 519 Pages: 112-122 Published: APR 5 2012
- 4,935. Search for the standard model Higgs boson decaying into two photons in pp collisions at root  $s=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 710 Issue: 3 Pages: 403-425 Published: APR 12 2012
- 4,936. Electric dipole polarizability and the neutron skin  
By: Piekarewicz, J.; Agrawal, B. K.; Colo, G.; et al.  
PHYSICAL REVIEW C Volume: 85 Issue: 4 Article Number: 041302 Published: APR 16 2012
- 4,937. Fermions in anisotropic harmonic trap

By: Das, A. N.; Sil, S.

PHYSICS LETTERS A Volume: 376 Issue: 20 Pages: 1698-1704 Published: APR 16 2012

4,938. Light vector meson production in pp collisions at root s=7 TeV ALICE Collaboration

By: Abelev, B.; Abrahantes Quintana, A.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 710 Issue: 4-5 Pages: 557-568 Published: APR 20 2012

4,939. Emergence of principal axis rotation in Ag-110

By: Roy, Santosh; Rather, N.; Datta, Pradip; et al.

PHYSICS LETTERS B Volume: 710 Issue: 4-5 Pages: 587-593 Published: APR 20 2012

4,940. Structural studies of arginine induced enhancement in the activity of T7 RNA polymerase

By: Pal, Sudipta; Das, Mili; Dasgupta, Dipak

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 421 Issue: 1 Pages: 27-32

Published: APR 27 2012

4,941. Search for quark compositeness in dijet angular distributions from pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 055 Published: MAY 2012

4,942. Search for heavy bottom-like quarks in 4.9 fb(-1) of pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 123 Published: MAY 2012

4,943. Anisotropic Spin-Fluctuations in SmCoPO Revealed by P-31 NMR Measurement

By: Majumder, Mayukh; Ghoshray, Kajal; Ghoshray, Amitabha; et al.

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 81 Issue: 5 Article Number: 054702

Published: MAY 2012

4,944. Search for large extra dimensions in dimuon and dielectron events in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 711 Issue: 1 Pages: 15-34 Published: MAY 1 2012

4,945. Purification and characterization of a new alkali-thermostable lipase from Staphylococcus aureus isolated from Arachis hypogaea rhizosphere

By: Sarkar, Prodipta; Yamasaki, Shinji; Basak, Soumen; et al.

PROCESS BIOCHEMISTRY Volume: 47 Issue: 5 Pages: 858-866 Published: MAY 2012

4,946. Physics of metal-correlated barrier with disorder-metal heterostructure

By: Gupta, Sanjay; Gupta, Tribikram

SOLID STATE COMMUNICATIONS Volume: 152 Issue: 10 Pages: 878-882 Published: MAY 2012

4,947. The Binding of a Hydroxy-9,10-anthraquinone Cull Complex to Calf Thymus DNA:  
Electrochemistry and UV/Vis Spectroscopy

By: Guin, Partha S.; Mandal, Parikshit C.; Das, Saurabh

CHEMPLUSCHEM Volume: 77 Issue: 5 Pages: 361-369 Published: MAY 2012

4,948. Production of cascade hypernuclei via the ( $K^-$ ,  $K^+$ ) reaction within a quark-meson coupling model

By: Shyam, R.; Tsushima, K.; Thomas, A. W.

NUCLEAR PHYSICS A Volume: 881 Special Issue: SI Pages: 255-268 Published: MAY 1 2012

4,949. Multiwavelength study of the TeV blazar Mrk 421 during a giant flare

By: Shukla, A.; Chitnis, V. R.; Vishwanath, P. R.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 541 Article Number: A140 Published: MAY 2012

4,950. Binding and antioxidant properties of therapeutically important plant flavonoids in biomembranes: Insights from spectroscopic and quantum chemical studies

By: Pahari, Biswapathik; Chakraborty, Sandipan; Chaudhuri, Sudip; et al.

CHEMISTRY AND PHYSICS OF LIPIDS Volume: 165 Issue: 4 Special Issue: SI Pages: 488-496  
Published: MAY 2012

4,951. Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at root  $s(NN)=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 5 Article Number: 2012 Published: MAY 2012

4,952. Zeta function regularization, anomaly and complex mass term

By: Mitra, P.

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 5 Article Number: 2024 Published: MAY 2012

4,953. Separation of nca I-123,I-124,I-125,I-126 from alpha particle induced the natural antimony trioxide target

By: Mandal, Swadesh; Mandal, Ajoy; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 292 Issue: 2 Pages: 579-584  
Published: MAY 2012

4,954. Studies on dynamic dissociation constant of Mo-99-insulin complex

By: Mandal, Swadesh; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 292 Issue: 2 Pages: 859-862  
Published: MAY 2012

4,955. Validity of a theoretical model to examine blood oxygenation dependent optoacoustics

By: Saha, Ratan K.; Karmakar, Subhajit; Hysi, Eno; et al.

JOURNAL OF BIOMEDICAL OPTICS Volume: 17 Issue: 5 Article Number: 055002 Published: MAY 2012

4,956. Naturally split supersymmetry

By: Bhattacharyya, Gautam; Ray, Tirtha Sankar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 022 Published: MAY 2012

4,957. Suppression of non-prompt J/psi, prompt J/psi, and Upsilon(1S) in PbPb collisions at root s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 063 Published: MAY 2012

4,958. Four lepton flavor violating signals at the LHC

By: Ghosh, Dilip Kumar; Roy, Probir; Roy, Sourov

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 067 Published: MAY 2012

4,959. Constraints on low-mass WIMP interactions on F-19 from PICASSO

By: Archambault, S.; Behnke, E.; Bhattacharjee, P.; et al.

PHYSICS LETTERS B Volume: 711 Issue: 2 Pages: 153-161 Published: MAY 3 2012

4,960. Theoretical interpretation of the systematics of effective single-particle level densities from (n, p) reactions at 14.8 MeV energy

By: Hans, H. S.; Singh, Gulzar; Kumar, A.; et al.

PHYSICAL REVIEW C Volume: 85 Issue: 5 Article Number: 054614 Published: MAY 14 2012

4,961. High-spin spectroscopy of I-122

By: Singh, Purnima; Nag, Somnath; Selvakumar, K.; et al.

PHYSICAL REVIEW C Volume: 85 Issue: 5 Article Number: 054311 Published: MAY 15 2012

4,962. Area law for black hole entropy in the SU(2) quantum geometry approach

By: Mitra, P.

PHYSICAL REVIEW D Volume: 85 Issue: 10 Article Number: 104025 Published: MAY 15 2012

4,963. Role of metal ions of Langmuir-Blodgett film in hydrophobic to hydrophilic transition of HF-treated Si surface

By: Bal, J. K.; Kundu, Sarathi; Hazra, S.

MATERIALS CHEMISTRY AND PHYSICS Volume: 134 Issue: 1 Pages: 549-554 Published: MAY 15 2012

4,964. Optimization of relativistic mean field model for finite nuclei to neutron star matter

By: Agrawal, B. K.; Sulaksono, A.; Reinhard, P. -G.

NUCLEAR PHYSICS A Volume: 882 Pages: 1-20 Published: MAY 15 2012

4,965. Statistical physics of fracture, friction, and earthquakes

By: Kawamura, Hikaru; Hatano, Takahiro; Kato, Naoyuki; et al.  
REVIEWS OF MODERN PHYSICS Volume: 84 Issue: 2 Pages: 839-884 Published: MAY 18 2012

4,966. Neutral triple electroweak gauge boson production in the large extra-dimension model at the LHC

By: Kumar, M. C.; Mathews, Prakash; Ravindran, V.; et al.  
PHYSICAL REVIEW D Volume: 85 Issue: 9 Article Number: 094507 Published: MAY 22 2012

4,967. D=2 gluon condensate and QCD propagators at finite temperature

By: Chakraborty, Purnendu; Mustafa, Munshi G.  
PHYSICS LETTERS B Volume: 711 Issue: 5 Pages: 390-393 Published: MAY 23 2012

4,968. Oxidative Interaction between OxyHb and ATP: A Spectroscopic Study

By: Banerjee, Mousumi; Chakrabarti, Abhijit; Basu, Samita  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 116 Issue: 21 Pages: 6150-6157 Published: MAY 31 2012

4,969. Disorder induced phase transition in kinetic models of opinion dynamics

By: Biswas, Soumyajyoti; Chatterjee, Arnab; Sen, Parongama  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 391 Issue: 11 Pages: 3257-3265 Published: JUN 1 2012

4,970. A critical study on the interactions of hesperitin with human hemoglobin: Fluorescence spectroscopic and molecular modeling approach

By: Chakraborty, Sandipan; Chaudhuri, Sudip; Pahari, Biswapathik; et al.  
JOURNAL OF LUMINESCENCE Volume: 132 Issue: 6 Pages: 1522-1528 Published: JUN 2012

4,971. Induction of Cr(VI) reduction activity in an Anoxybacillus strain under heat stress: a biochemical and proteomic study

By: Paul, Sangita Chowdhury; Jain, Preeti; Mitra, Jyotirmoy; et al.  
FEMS MICROBIOLOGY LETTERS Volume: 331 Issue: 1 Pages: 70-80 Published: JUN 2012

4,972. Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 036 Published: JUN 2012

4,973. Measurement of the Z/gamma\* plus b-jet cross section in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 126 Published: JUN 2012

4,974. Measurement of the cross section for production of b(b)over-barX decaying to muons in pp collisions at root s=7TeV



By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 110 Published: JUN 2012

4,975. Synchronized oscillations on a Kuramoto ring and their entrainment under periodic driving

By: Roy, Tarun Kantij; Lahiri, Avijit

CHAOS SOLITONS & FRACTALS Volume: 45 Issue: 6 Pages: 888-898 Published: JUN 2012

4,976. Nonlinear shear wave in a non Newtonian visco-elastic medium

By: Banerjee, D.; Janaki, M. S.; Chakrabarti, N.; et al.

PHYSICS OF PLASMAS Volume: 19 Issue: 6 Article Number: 062301 Published: JUN 2012

4,977. Non-holonomic deformation of the DNLS equation for controlling optical soliton in doped fibre media

By: Kundu, Anjan

IMA JOURNAL OF APPLIED MATHEMATICS Volume: 77 Issue: 3 Special Issue: SI Pages: 382-390  
Published: JUN 2012

4,978. Search for anomalous production of multilepton events in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 169 Published: JUN 2012

4,979. Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 160 Published: JUN 2012

4,980. Measurement of the mass difference between top and antitop quarks

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 109 Published: JUN 2012

4,981. Lifshitz-like space-time from intersecting branes in string/M theory

By: Dey, Parijat; Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 129 Published: JUN 2012

4,982. Evaluation of Velocity Dependent Positional Error of Dynamic Multi Leaf Collimator During VMAT Delivery Using a Well Defined Mathematical Function

By: Manikandan, A.; Sarkar, B.; Nandy, M.; et al.

MEDICAL PHYSICS Volume: 39 Issue: 6 Pages: 3714-3714 Published: JUN 2012

4,983. Estimation of Uncertainty in Dose Delivery Due to MLC Position Inaccuracies by Inverse Derivative Method During Volumetric Modulated Arc Therapy Delivery by Elekta Beam Modulator

By: Sarkar, B.; Nandy, M.; Manikandan, A.; et al.

MEDICAL PHYSICS Volume: 39 Issue: 6 Pages: 3715-3715 Published: JUN 2012

4,984. Self-Complementarity within Proteins: Bridging the Gap between Binding and Folding

By: Basu, Sankar; Bhattacharyya, Dhananjay; Banerjee, Rahul

BIOPHYSICAL JOURNAL Volume: 102 Issue: 11 Pages: 2605-2614 Published: JUN 6 2012

4,985. J/psi production as a function of charged particle multiplicity in pp collisions at root s=7 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

PHYSICS LETTERS B Volume: 712 Issue: 3 Pages: 165-175 Published: JUN 6 2012

4,986. Jet momentum dependence of jet quenching in PbPb collisions at root s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 712 Issue: 3 Pages: 176-197 Published: JUN 6 2012

4,987. Effects of neutron richness on the behavior of nuclear systems at intermediate energies

By: Cardella, G.; Giuliani, G.; Lombardo, I.; et al.

PHYSICAL REVIEW C Volume: 85 Issue: 6 Article Number: 064609 Published: JUN 12 2012

4,988. Multi-strange baryon production in pp collisions at root s=7 TeV with ALICE

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 712 Issue: 4-5 Pages: 309-318 Published: JUN 12 2012

4,989. Magnetoelectronic phase separation in La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> single crystals: Evidence from critical behavior

By: Khan, N.; Mandal, P.; Mydeen, K.; et al.

PHYSICAL REVIEW B Volume: 85 Issue: 21 Article Number: 214419 Published: JUN 14 2012

4,990. Nickel(II)-Schiff base complex recognizing domain II of bovine and human serum albumin: Spectroscopic and docking studies

By: Ray, Aurkie; Seth, Banabithi Koley; Pal, Uttam; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 92

Pages: 164-174 Published: JUN 15 2012

4,991. Anomalous thermal expansion of Sb<sub>2</sub>Te<sub>3</sub> topological insulator

By: Dutta, P.; Bhoi, D.; Midya, A.; et al.

APPLIED PHYSICS LETTERS Volume: 100 Issue: 25 Article Number: 251912 Published: JUN 18 2012

4,992. Measurement of the t(t)-bar production cross section in pp collisions at root s=7 TeV in dilepton final states containing a tau

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 85 Issue: 11 Article Number: 112007 Published: JUN 19 2012

- 4,993. Onset of deformation at  $N=112$  in Bi nuclei  
By: Pai, H.; Mukherjee, G.; Raut, R.; et al.  
PHYSICAL REVIEW C Volume: 85 Issue: 6 Article Number: 064317 Published: JUN 20 2012
- 4,994. Neutrinos from WIMP annihilation in the Sun: Implications of a self-consistent model of the Milky Way's dark matter halo  
By: Kundu, Susmita; Bhattacharjee, Pijushpani  
PHYSICAL REVIEW D Volume: 85 Issue: 12 Article Number: 123533 Published: JUN 20 2012
- 4,995. Stability of Holstein and Frohlich bipolarons  
By: Chakraborty, Monodeep; Min, B. I.; Chakrabarti, Atisdipankar; et al.  
PHYSICAL REVIEW B Volume: 85 Issue: 24 Article Number: 245127 Published: JUN 21 2012
- 4,996. Effect of running coupling on photon emission from quark gluon plasma  
By: Mandal, Mahatsab; Roy, Pradip; Mitra, Sukanya; et al.  
PHYSICAL REVIEW C Volume: 85 Issue: 6 Article Number: 067901 Published: JUN 21 2012
- 4,997. Search for neutral Higgs bosons decaying to tau pairs in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 713 Issue: 2 Pages: 68-90 Published: JUN 21 2012
- 4,998. Observation of a New  $\Xi(b)$  Baryon  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 108 Issue: 25 Article Number: 252002 Published: JUN 21 2012
- 4,999. Shear flow instability in a strongly coupled dusty plasma  
By: Banerjee, D.; Janaki, M. S.; Chakrabarti, N.  
PHYSICAL REVIEW E Volume: 85 Issue: 6 Article Number: 066408 Part: 2 Published: JUN 26 2012
- 5,000. Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 108 Issue: 26 Article Number: 261803 Published: JUN 27 2012
- 5,001. Phase separation in crowded micro-spheroids: DNA-PEG system  
By: Biswas, Nupur; Ichikawa, Masatoshi; Datta, Alokmay; et al.  
CHEMICAL PHYSICS LETTERS Volume: 539 Pages: 157-162 Published: JUN 29 2012
- 5,002. Arsenic(III) sorption on nanostructured cerium incorporated manganese oxide (NCMO): A physical insight into the mechanistic pathway

By: Gupta, K.; Bhattacharya, S.; Nandi, D.; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 377 Pages: 269-276 Published: JUL 1 2012

5,003. Measurement of charm production at central rapidity in proton-proton collisions at square  $s = 2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 191 Published: JUL 2012

5,004. Local structural studies of the cubic Cd<sub>1-x</sub>CaxO system through Cd K-edge extended X-ray absorption spectroscopic studies

By: Srihari, Velaga; Sridharan, V.; Nomura, Masaharu; et al.

JOURNAL OF SYNCHROTRON RADIATION Volume: 19 Pages: 541-546 Part: 4 Published: JUL 2012

5,005. Role of remote scaffolding residues in the inhibitory loop pre-organization, flexibility, rigidification and enzyme inhibition of serine protease inhibitors

By: Majumder, Sudip; Khamrui, Susmita; Dasgupta, Jhimli; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1824 Issue: 7 Pages: 882-890 Published: JUL 2012

5,006. Signature of Misoriented Bilayer Graphenelike and Graphanelike Structure in the Hydrogenated Diamond-Like Carbon Film

By: Ray, Nihar R.; Datta, Jagannath; Biswas, Hari S.; et al.

IEEE TRANSACTIONS ON PLASMA SCIENCE Volume: 40 Issue: 7 Pages: 1789-1793 Part: 1 Published: JUL 2012

5,007. Effect of temperature on DNA double helix: An insight from molecular dynamics simulation

By: Kundu, Sangeeta; Mukherjee, Sanchita; Bhattacharyya, Dhananjay

JOURNAL OF BIOSCIENCES Volume: 37 Issue: 3 Pages: 445-455 Published: JUL 2012

5,008. A revisit of the mode of interaction of small transcription inhibitors with genomic DNA

By: Dasgupta, Dipak; Majumder, Parijat; Banerjee, Amrita

JOURNAL OF BIOSCIENCES Volume: 37 Issue: 3 Pages: 475-481 Published: JUL 2012

5,009. Production of long-lived Al-26 and Na-24 from neutron interaction in Al target

By: Saran, P. K.; Nandy, Maitreyee; Sarkar, P. K.; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 50 Issue: 7 Special Issue: SI Pages: 509-512 Published: JUL 2012

5,010. Angular distribution of the ambient neutron dose equivalent from incidence of alpha particles on thick Al target

By: Shanbhag, A. A.; Tripathy, S. P.; Sahoo, G. S.; et al.

INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 50 Issue: 7 Special Issue: SI Pages: 531-533 Published: JUL 2012

5,011. Symmetric and asymmetric collision effects on the formation of singly and doubly-charged ions in sputtering process

By: Mondal, S.; Gnaser, H.; Chakraborty, P.

EUROPEAN PHYSICAL JOURNAL D Volume: 66 Issue: 7 Article Number: 197 Published: JUL 2012

5,012. Modeling of clover detector in addback mode

By: Kshetri, R.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P07008 Published: JUL 2012

5,013. A first principle approach for encapsulated type composite detectors

By: Kshetri, R.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P07006 Published: JUL 2012

5,014. Spin trimers in  $\text{Ca}_3\text{Cu}_2\text{Ni}(\text{PO}_4)_4$

By: Ghosh, M.; Ghoshray, K.

LOW TEMPERATURE PHYSICS Volume: 38 Issue: 7 Pages: 645-650 Published: JUL 2012

5,015. Suppression of electric and magnetic fluctuations and improvement of confinement due to current profile modification by biased electrode in Saha Institute of Nuclear Physics tokamak

By: Basu, Debjyoti; Pal, Rabindranath; Ghosh, Joydeep; et al.

PHYSICS OF PLASMAS Volume: 19 Issue: 7 Article Number: 072510 Published: JUL 2012

5,016. A different approach to obtain Mayer's extension to stationary single particle Wigner distribution

By: Bose, Anirban; Janaki, M. S.

PHYSICS OF PLASMAS Volume: 19 Issue: 7 Article Number: 072101 Published: JUL 2012

5,017. Linear and nonlinear electrostatic modes in a strongly coupled quantum plasma

By: Ghosh, Samiran; Chakrabarti, Nikhil; Shukla, P. K.

PHYSICS OF PLASMAS Volume: 19 Issue: 7 Article Number: 072123 Published: JUL 2012

5,018. Underlying Event measurements in pp collisions at  $\sqrt{s}=0.9$  and 7 TeV with the ALICE experiment at the LHC

By: Abelev, Betty; Abrahantes Quintana, Arian; Adamova, Dagmar; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 116 Published: JUL 2012

5,019. Search for a light charged Higgs boson in top quark decays in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 143 Published: JUL 2012

5,020. Lifshitz/Schrodinger Dp-branes and dynamical exponents

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 082 Published: JUL 2012

5,021. Conserved mass models with stickiness and chipping

By: Bondyopadhyay, Sourish; Mohanty, P. K.

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P07019

Published: JUL 2012

5,022. Fixed-Energy Sandpiles Belong Generically to Directed Percolation

By: Basu, Mahashweta; Basu, Urna; Bondyopadhyay, Sourish; et al.

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 1 Article Number: 015702 Published: JUL 3 2012

5,023. Charged quantum black holes: thermal stability criterion

By: Majhi, Abhishek; Majumdar, Parthasarathi

CLASSICAL AND QUANTUM GRAVITY Volume: 29 Issue: 13 Article Number: 135013 Published:

JUL 7 2012

5,024. Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at  
root S-NN=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 2 Article Number: 022301 Published: JUL 10 2012

5,025. Xylene-Capped Luminescent Silicon Nanocrystals: Evidence of Supramolecular Bonding

By: Mandal, Arun Kumar; Ray, Mallar; Rajapaksa, Indrajith; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 116 Issue: 27 Pages: 14644-14649 Published: JUL 12

2012

5,026. Correlated singlet phase in the one-dimensional Hubbard-Holstein model

By: Reja, Sahinur; Yarlagadda, Sudhakar; Littlewood, Peter B.

PHYSICAL REVIEW B Volume: 86 Issue: 4 Article Number: 045110 Published: JUL 12 2012

5,027. Characterization of ZnO nanoparticles grown in presence of Folic acid template

By: Dutta, Sreetama; Ganguly, Bichitra N.

JOURNAL OF NANOBIO TECHNOLOGY Volume: 10 Article Number: 29 Published: JUL 12 2012

5,028. A study of Lambda hypernuclei within the Skyrme-Hartree-Fock model

By: Guleria, Neelam; Dhiman, Shashi K.; Shyam, Radhey

NUCLEAR PHYSICS A Volume: 886 Pages: 71-91 Published: JUL 15 2012

5,029. Photophysical properties of an environment sensitive fluorophore 1-keto-6,7-dimethoxy-  
1,2,3,4-tetrahydrocarbazole and its excited state interaction with N,N-dimethylaniline: A spectroscopic  
investigation

By: Mitra, Amrit Krishna; Ghosh, Sujay; Chakraborty, Suchandra; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 240 Pages: 66-74

Published: JUL 15 2012

- 5,030. Spin Hall effect in a kagome lattice driven by Rashba spin-orbit interaction  
By: Dey, Moumita; Maiti, Santanu K.; Karmakar, S. N.  
JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 2 Article Number: 024322 Published: JUL 15 2012
- 5,031. Correlations between emission timescale of fragments and isospin dynamics in Sn-124+Ni-64 and Sn-112+Ni-58 reactions at 35A MeV  
By: De Filippo, E.; Pagano, A.; Russotto, P.; et al.  
PHYSICAL REVIEW C Volume: 86 Issue: 1 Article Number: 014610 Published: JUL 16 2012
- 5,032. Search for heavy long-lived charged particles in pp collisions at root s=7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 713 Issue: 4-5 Pages: 408-433 Published: JUL 18 2012
- 5,033. Breaking of upper hybrid oscillations in the presence of an inhomogeneous magnetic field  
By: Maity, Chandan; Chakrabarti, Nikhil; Sengupta, Sudip  
PHYSICAL REVIEW E Volume: 86 Issue: 1 Article Number: 016408 Part: 2 Published: JUL 23 2012
- 5,034. Probing Higher Order Surface Plasmon Modes on Individual Truncated Tetrahedral Gold Nanoparticle Using Cathodoluminescence Imaging and Spectroscopy Combined with FDTD Simulations  
By: Das, Pabitra; Chini, Tapas Kumar; Pond, James  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 116 Issue: 29 Pages: 15610-15619 Published: JUL 26 2012
- 5,035. Scaling ansatz, four zero Yukawa textures, and large theta(13)  
By: Adhikary, Biswajit; Chakraborty, Mainak; Ghosal, Ambar  
PHYSICAL REVIEW D Volume: 86 Issue: 1 Article Number: 013015 Published: JUL 27 2012
- 5,036. Study of cooperative breathing-mode in molecular chains  
By: Pankaj, Ravindra; Yarlagadda, Sudhakar  
PHYSICAL REVIEW B Volume: 86 Issue: 3 Article Number: 035453 Published: JUL 30 2012
- 5,037. Polypyrrole-titanium(IV) doped iron(III) oxide nanocomposites: Synthesis, characterization with tunable electrical and electrochemical properties  
By: Nandi, Debabrata; Ghosh, Arup Kumar; Gupta, Kaushik; et al.  
MATERIALS RESEARCH BULLETIN Volume: 47 Issue: 8 Pages: 2095-2103 Published: AUG 2012
- 5,038. Inhomogeneous band bending on MoS2(0001) arising from surface steps and dislocations  
By: Mahatha, S. K.; Menon, Krishnakumar S. R.  
JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 30 Article Number: 305502  
Published: AUG 1 2012
- 5,039. Notch1 intracellular domain increases cytoplasmic EZH2 levels during early megakaryopoiesis  
By: Roy, A.; Basak, N. P.; Banerjee, S.

CELL DEATH & DISEASE Volume: 3 Article Number: e380 Published: AUG 2012

5,040. Role of ultra thin pseudomorphic InP layer to improve the high-k dielectric/GaAs interface in realizing metal-oxide-semiconductor capacitor

By: Kundu, Souvik; Halder, Nripendra N.; Biswas, D.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 3 Article Number: 034514 Published: AUG 1 2012

5,041. Magneto-transport in a quantum network: evidence of a mesoscopic switch

By: Saha, Srilekha; Maiti, Santanu K.; Karmakar, S. N.

EUROPEAN PHYSICAL JOURNAL B Volume: 85 Issue: 8 Article Number: 283 Published: AUG 2012

5,042. A first principle approach for clover detector

By: Kshetri, R.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P08015 Published: AUG 2012

5,043. Level density distribution for one-dimensional vertex models related to Haldane-Shastry like spin chains

By: Banerjee, Pratyay; Basu-Mallick, B.

JOURNAL OF MATHEMATICAL PHYSICS Volume: 53 Issue: 8 Article Number: 083301 Published: AUG 2012

5,044. Study of Loschmidt echo for two-dimensional Kitaev model

By: Sharma, Shraddha; Rajak, Atanu

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P08005  
Published: AUG 2012

5,045. Functionalized polyaniline nanowires for biosensing

By: Gangopadhyay, Rupali; Chowdhury, Ankan Dutta; De, Amitabha

SENSORS AND ACTUATORS B-CHEMICAL Volume: 171 Pages: 777-785 Published: AUG-SEP 2012

5,046. Label free polyaniline based impedimetric biosensor for detection of E. coli O157:H7 Bacteria

By: Chowdhury, Ankan Dutta; De, Amitabha; Chaudhuri, Chiroree Roy; et al.

SENSORS AND ACTUATORS B-CHEMICAL Volume: 171 Pages: 916-923 Published: AUG-SEP 2012

5,047. Long range temporal correlation in the chaotic oscillations of a dc glow discharge plasma

By: Lahiri, S.; Roychowdhury, D.; Iyengar, A. N. Sekar

PHYSICS OF PLASMAS Volume: 19 Issue: 8 Article Number: 082313 Published: AUG 2012

5,048. Role of metal ions in growth and stability of Langmuir-Blodgett films on homogeneous and heterogeneous surfaces

By: Bal, J. K.; Kundu, Sarathi; Hazra, S.

EUROPEAN PHYSICAL JOURNAL E Volume: 35 Issue: 8 Article Number: 79 Published: AUG 2012



5,049. Measurement of the underlying event activity in pp collisions at  $\sqrt{s}=0.9$  and 7 TeV with the novel jet-area/median approach

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 130 Published: AUG 2012

5,050. Search for stopped long-lived particles produced in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 026 Published: AUG 2012

5,051. Search for leptonic decays of  $W^\pm$  bosons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Published: AUG 2012

5,052. Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 110 Published: AUG 2012

5,053. Causal amplitudes in the Schwinger model at finite temperature

By: Das, Ashok; Francisco, R. R.; Frenkel, J.

PHYSICAL REVIEW D Volume: 86 Issue: 4 Article Number: 047702 Published: AUG 7 2012

5,054. Unraveling siRNA unzipping kinetics with graphene

By: Mogurampelly, Santosh; Panigrahi, Swati; Bhattacharyya, Dhananjay; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 137 Issue: 5 Article Number: 054903 Published: AUG 7 2012

5,055. Next-to-leading order non-Fermi-liquid corrections to the neutrino emissivity and cooling of the neutron star

By: Adhya, Souvik Priyam; Roy, Pradip K.; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW D Volume: 86 Issue: 3 Article Number: 034012 Published: AUG 13 2012

5,056. Measurement of the  $\Lambda(b)$  cross section and the  $\Lambda(b)$  to  $\Lambda(b)$  ratio with  $J/\psi$   $\Lambda$  decays in pp collisions at  $\sqrt{s}=7$  TeV CMS Collaboration

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 714 Issue: 2-5 Pages: 136-157 Published: AUG 14 2012

5,057. Search for narrow resonances in dilepton mass spectra in pp collisions at  $\sqrt{s}=7$  TeV CMS Collaboration

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 714 Issue: 2-5 Pages: 158-179 Published: AUG 14 2012

5,058. Integer quantum Hall effect in a lattice model revisited: Kubo formalism

By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.

JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 4 Article Number: 044306 Published: AUG 15 2012

5,059. Magnetic and dielectric properties of sol-gel derived nanoparticles of double perovskite  $\text{Y}_2\text{NiMnO}_6$

By: Maiti, R. P.; Dutta, S.; Mukherjee, M.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 4 Article Number: 044311 Published: AUG 15 2012

5,060. Hybrid nanotubes: Single step formation of homogeneous nanotubes of polypyrrole-gold composites and novel switching transition of resistance beyond liquid nitrogen temperature

By: Sarma, Abhisakh; Sanyal, Milan K.; Rahman, Atikur; et al.

JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 4 Article Number: 044304 Published: AUG 15 2012

5,061.  $J/\psi$  Suppression at Forward Rapidity in Pb-Pb Collisions at  $\sqrt{s(\text{NN})}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 7 Article Number: 072301 Published: AUG 16 2012

5,062. Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 7 Article Number: 071803 Published: AUG 16 2012

5,063. Active-to-absorbing-state phase transition in the presence of fluctuating environments: Weak and strong dynamic scaling

By: Sarkar, Niladri; Basu, Abhik

PHYSICAL REVIEW E Volume: 86 Issue: 2 Article Number: 021122 Part: 1 Published: AUG 20 2012

5,064. Quantum critical behavior of a magnetic quantum paraelectric

By: Das, Nabyendu

PHYSICS LETTERS A Volume: 376 Issue: 40-41 Pages: 2683-2687 Published: AUG 20 2012

5,065. Effects of medium on nuclear properties in multifragmentation

By: De, J. N.; Samaddar, S. K.; Vinas, X.; et al.

PHYSICAL REVIEW C Volume: 86 Issue: 2 Article Number: 024606 Published: AUG 23 2012

5,066. Biophysical studies with AICD-47 reveal unique binding behavior characteristic of an unfolded domain

By: Das, Samir; Ghosh, Saptarni; Dasgupta, Dipak; et al.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 425 Issue: 2 Pages: 201-206 Published: AUG 24 2012

5,067. Novel signatures of the Higgs sector from S-3 flavor symmetry

By: Bhattacharyya, Gautam; Leser, Philipp; Paes, Heinrich

PHYSICAL REVIEW D Volume: 86 Issue: 3 Article Number: 036009 Published: AUG 24 2012

5,068. In Situ X-ray Reflectivity Study of Polystyrene Ultrathin Films Swollen in Carbon Dioxide

By: Chebil, M. Souheib; Vignaud, G.; Grohens, Y.; et al.

MACROMOLECULES Volume: 45 Issue: 16 Pages: 6611-6617 Published: AUG 28 2012

5,069. Gluon dissociation of J/psi in anisotropic quark-gluon plasma

By: Mandal, Mahatsab; Roy, Pradip

PHYSICAL REVIEW C Volume: 86 Issue: 2 Article Number: 024915 Published: AUG 29 2012

5,070. Multifragmentation model for astrophysical strangelets

By: Biswas, Sayan; De, J. N.; Joarder, Partha S.; et al.

PHYSICS LETTERS B Volume: 715 Issue: 1-3 Pages: 30-34 Published: AUG 29 2012

5,071. Study of W boson production in PbPb and pp collisions at root s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 715 Issue: 1-3 Pages: 66-87 Published: AUG 29 2012

5,072. Heavy quark energy loss and D-mesons in RHIC and LHC energies

By: Abir, Raktim; Jamil, Umme; Mustafa, Munshi G.; et al.

PHYSICS LETTERS B Volume: 715 Issue: 1-3 Pages: 183-189 Published: AUG 29 2012

5,073. Supersymmetry, shape invariance and the Legendre equations

By: Bazeia, D.; Das, Ashok

PHYSICS LETTERS B Volume: 715 Issue: 1-3 Pages: 256-259 Published: AUG 29 2012

5,074. Prototropic Interactions of Pyrimidine Nucleic Acid Bases with Acridine: A Spectroscopic Investigation

By: Sarangi, Manas Kumar; Mitra, Ankita; Basu, Samita

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 116 Issue: 34 Pages: 10275-10282 Published: AUG 30 2012

5,075. Exact compositional analysis of SiGe alloys by matrix effect compensated MCs+-SIMS

By: Saha, Biswajit; Chakraborty, Purushottam; Gnaser, Hubert; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 108 Issue: 3 Pages: 671-677  
Published: SEP 2012

5,076. Regularizing tunnelling calculations of Hawking temperature

By: Chatterjee, Bhramar; Mitra, P.

GENERAL RELATIVITY AND GRAVITATION Volume: 44 Issue: 9 Pages: 2365-2371 Published: SEP 2012

5,077. On the use of photoacoustics to detect red blood cell aggregation

By: Hysi, Eno; Saha, Ratan K.; Kolios, Michael C.

BIOMEDICAL OPTICS EXPRESS Volume: 3 Issue: 9 Pages: 2326-2338 Published: SEP 1 2012

5,078. Interface studies on high-k/GaAs MOS capacitors by deep level transient spectroscopy

By: Kundu, Souvik; Anitha, Yelagam; Chakraborty, Supratic; et al.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 30 Issue: 5 Article Number: 051206  
Published: SEP 2012

5,079. The electron geodesic acoustic mode

By: Chakrabarti, N.; Guzdar, P. N.; Kaw, P. K.

PHYSICS OF PLASMAS Volume: 19 Issue: 9 Article Number: 092113 Published: SEP 2012

5,080. Two-dimensional double layer in plasma in a diverging magnetic field

By: Saha, S. K.; Raychaudhuri, S.; Chowdhury, S.; et al.

PHYSICS OF PLASMAS Volume: 19 Issue: 9 Article Number: 092502 Published: SEP 2012

5,081. Nuclear structure of Ra-216 at high spin

By: Muralithar, S.; Rodrigues, G.; Singh, R. P.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 3 Pages: 403-415 Published: SEP 2012

5,082. Restricted exclusion processes without particle conservation flows to directed percolation

By: Basu, Urna; Mohanty, P. K.

EPL Volume: 99 Issue: 6 Article Number: 66002 Published: SEP 2012

5,083. Thermal degradation of a molecular magnetic material:  $\{N(n-C_4H_9)_4\}[(FeFeIII)-Fe-II(C_2O_4)_3]\{a\}$

By: Bhattacharjee, A.; Roy, D.; Roy, M.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 109 Issue: 3 Pages: 1423-1427  
Published: SEP 2012

5,084. Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at root s=0.9, 2.76 and 7 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 9 Article Number: 2124 Published: SEP 2012

5,085. Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 9 Article Number: 2080 Published: SEP 2012

5,086. Suppression of high transverse momentum D mesons in central Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): Alice Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 112 Published: SEP 2012

5,087. Search for dark matter and large extra dimensions in monojet events in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 094 Published: SEP 2012

5,088. Search for a fermiophobic Higgs boson in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 111 Published: SEP 2012

5,089. A comparative numerical study on GEM, MHSP and MSGC

By: Bhattacharya, P.; Mukhopadhyay, S.; Majumdar, N.; et al.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P09007 Published: SEP 2012

5,090. TO THE SPECIAL ISSUE ON UNSOLVED PROBLEMS ON NOISE AND FLUCTUATIONS IN PHYSICS, BIOLOGY AND HIGH TECHNOLOGY PREFACE

By: Bardhan, Kamal K.; Pennetta, Cecilia

FLUCTUATION AND NOISE LETTERS Volume: 11 Issue: 3 Special Issue: SI Article Number: 1202002  
Published: SEP 2012

5,091. Search for anomalous  $t\bar{t}$  production in the highly-boosted all-hadronic final state

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 029 Published: SEP 2012

5,092. Experimental investigation of shell-model excitations of Zr-89 up to high spin

By: Saha, S.; Palit, R.; Sethi, J.; et al.

PHYSICAL REVIEW C Volume: 86 Issue: 3 Article Number: 034315 Published: SEP 10 2012

5,093. Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 11 Article Number: 111806 Published: SEP 11 2012

5,094. Observation of superparamagnetism to flux closure behaviour in ZnO nanoparticle agglomerates

By: Ghosh, B.; Sardar, M.; Lahiri, S.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 36 Article Number: 366002 Published: SEP 12 2012

5,095. Production of Muons from Heavy Flavor Decays at Forward Rapidity in pp and Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 11 Article Number: 112301 Published: SEP 13 2012

5,096. Effect of annealing on the structural, topographical and optical properties of sol-gel derived ZnO and AZO thin films

By: Sengupta, Joydip; Sahoo, R. K.; Mukherjee, C. D.

MATERIALS LETTERS Volume: 83 Pages: 84-87 Published: SEP 15 2012

5,097. Hall effect in the metallic antiferromagnet  $\text{Na}_x\text{CoO}_2$  ( $0.72 \leq x \leq 0.90$ )

By: Mandal, P.; Choudhury, P.

PHYSICAL REVIEW B Volume: 86 Issue: 9 Article Number: 094423 Published: SEP 17 2012

5,098. Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 716 Issue: 1 Pages: 30-61 Published: SEP 17 2012

5,099. Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 716 Issue: 1 Pages: 82-102 Published: SEP 17 2012

5,100. Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 716 Issue: 1 Pages: 103-121 Published: SEP 17 2012

5,101. Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 716 Issue: 2 Pages: 260-284 Published: SEP 19 2012

5,102. Temperature dependence of volume and surface symmetry energy coefficients of nuclei

By: De, J. N.; Samaddar, S. K.; Agrawal, B. K.

PHYSICS LETTERS B Volume: 716 Issue: 2 Pages: 361-365 Published: SEP 19 2012

5,103. Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration; Kailas, S; Barbone, L

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 12 Article Number: 121801 Published: SEP 20 2012

5,104. Wilson loops in noncommutative Yang-Mills theory using gauge/gravity duality

By: Chakraborty, Somdeb; Haque, Najmul; Roy, Shibaji

NUCLEAR PHYSICS B Volume: 862 Issue: 3 Pages: 650-670 Published: SEP 21 2012

5,105. Intersecting D-branes and Lifshitz-like space-time

By: Dey, Parijat; Roy, Shibaji

PHYSICAL REVIEW D Volume: 86 Issue: 6 Article Number: 066009 Published: SEP 21 2012

5,106. Giant magnetocaloric effect in magnetically frustrated EuHo<sub>2</sub>O<sub>4</sub> and EuDy<sub>2</sub>O<sub>4</sub> compounds

By: Midya, A.; Khan, N.; Bhoi, D.; et al.

APPLIED PHYSICS LETTERS Volume: 101 Issue: 13 Article Number: 132415 Published: SEP 24 2012

5,107. Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 86 Issue: 5 Article Number: 052013 Published: SEP 27 2012

5,108. Molecular discriminators using single wall carbon nanotubes

By: Bhattacharyya, Tamoghna; Dasgupta, Anjan Kr; Ray, Nihar Ranjan; et al.

NANOTECHNOLOGY Volume: 23 Issue: 38 Article Number: 385304 Published: SEP 28 2012

5,109. Irradiation effects of 6 MeV electron on electrical properties of Al/Al<sub>2</sub>O<sub>3</sub>/n-Si MOS capacitors

By: Laha, P.; Banerjee, I.; Bajaj, A.; et al.

RADIATION PHYSICS AND CHEMISTRY Volume: 81 Issue: 10 Pages: 1600-1605 Published: OCT 2012

5,110. Comparative analysis of stability and toxicity profile of three differently capped gold nanoparticles for biomedical usage

By: Das, Sumistha; Debnath, Nitai; Mitra, Shouvik; et al.

BIOMETALS Volume: 25 Issue: 5 Pages: 1009-1022 Published: OCT 2012

5,111. Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at root  $s(\text{NN})=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 5 Article Number: 2012 Published: MAY 2012

5,112. Cloning, purification, crystallization and preliminary X-ray analysis of two low-molecular-weight protein tyrosine phosphatases from *Vibrio cholerae*

By: Nath, Seema; Banerjee, Ramanuj; Khamrui, Susmita; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION

COMMUNICATIONS Volume: 68 Pages: 1204-1208 Part: 10 Published: OCT 2012

5,113. Synthesis of molybdenum nanoparticle by in situ gamma-radiation

By: Mandal, Swadesh; Lahiri, Susanta

APPLIED RADIATION AND ISOTOPES Volume: 70 Issue: 10 Pages: 2340-2343 Published: OCT 2012

5,114. The N/Z key role on the dynamics of medium mass nuclear systems near fragmentation threshold

By: Lombardo, I.; Acosta, L.; Agodi, C.; et al.

PHYSICA SCRIPTA Volume: T150 Article Number: 014023 Published: OCT 2012

5,115. Double plasmonic profile of tryptophan-silver nano-crystals-Temperature sensing and laser induced antimicrobial activity

By: Roy, Sarita; Basak, Soumen; Ray, Pulak; et al.

PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS Volume: 10 Issue: 4

Pages: 506-515 Published: OCT 2012

5,116. Electroweak symmetry breaking beyond the Standard Model

By: Bhattacharyya, Gautam

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 675-690 Published: OCT 2012

5,117. Quarkonia production at forward rapidity in Pb plus Pb collisions at root  $s(\text{NN})=2.76$  TeV with the ALICE detector

By: Das, Debasish

Group Author(s): ALICE Collaboration

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 863-866 Published: OCT 2012

5,118. A natural connection between neutrino mass generation and the lightness of a next-to-minimal supersymmetric Standard Model pseudoscalar

By: Das, Debottam; Abada, Asmaa; Bhattacharyya, Gautam; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 867-870 Published: OCT 2012

5,119. Limits on anomalous trilinear gauge couplings at the CMS with 7 TeV Large Hadron Collider data



By: Gomber, Bhawna

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 899-902 Published: OCT 2012

5,120.Measurement of the cross-section of Z gamma and limits on ADD models at the CMS with 7 TeV Large Hadron Collider data

By: Jain, Sandhya

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 925-928 Published: OCT 2012

5,121.Search for excited leptons in pp collisions at root s=7 TeV

By: Jain, Shilpi

Group Author(s): CMS Collaboration

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 4 Special Issue: SI Pages: 929-932 Published: OCT 2012

5,122.Wave breaking phenomenon of lower-hybrid oscillations induced by a background inhomogeneous magnetic field

By: Maity, Chandan; Chakrabarti, Nikhil; Sengupta, Sudip

PHYSICS OF PLASMAS Volume: 19 Issue: 10 Article Number: 102302 Published: OCT 2012

5,123.Production of  $K^*(892)(0)$  and  $\phi(1020)$  in pp collisions at root s=7 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 10 Article Number: 2183 Published: OCT 2012

5,124.Measurement of the top-quark mass in  $t(\bar{t})$  events with dilepton final states in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 10 Article Number: 2202 Published: OCT 2012

5,125.MOTION OF A TEST PARTICLE IN THE TRANSVERSE SPACE OF Dp-BRANES

By: Bhattacharjee, Anindita; Das, Ashok; Greenwood, Levi; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS D Volume: 21 Issue: 11 Special Issue: SI Article Number: 1250056 Published: OCT 2012

5,126.Measurement of jet fragmentation into charged particles in pp and PbPb collisions at root s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 087 Published: OCT 2012

5,127. Monte Carlo simulation of thermal conductivity of Si nanowire: An investigation on the phonon confinement effect on the thermal transport

By: Bera, Chandan

JOURNAL OF APPLIED PHYSICS Volume: 112 Issue: 7 Article Number: 074323 Published: OCT 1 2012

5,128. Search for supersymmetry in hadronic final states using M-T2 in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 018 Published: OCT 2012

5,129. Tests of CMS hadron forward calorimeter upgrade readout box prototype

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P10015 Published: OCT 2012

5,130. Performance of CMS muon reconstruction in pp collision events at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P10002 Published: OCT 2012

5,131. Measurement of electrical properties of electrode materials for the bakelite Resistive Plate Chambers

By: Meghna, K. K.; Banerjee, A.; Biswas, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P10003 Published: OCT 2012

5,132. Neutron ambient dose equivalent from 5 MeV/u B-10, B-11, C-12, C-13 and O-16, O-18 projectiles incident on a thick Al target

By: Sunil, C.; Shanbhag, A. A.; Nandy, M.; et al.

RADIATION MEASUREMENTS Volume: 47 Issue: 10 Pages: 1035-1043 Published: OCT 2012

5,133. Oxidation of Hafnium and Diffusion of Hafnium Atoms in Hexagonal Close-Packed Hafnium; Microscopic Investigations by Perturbed Angular Correlations

By: Dey, Chandi C.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 67 Issue: 10-11 Pages: 633-640 Published: OCT-NOV 2012

5,134. Reduced Graphene Oxide/Ethylene Vinyl Acetate Co-polymer Composite with Improved Thermal Stability and Flame Retardancy

By: Nandi, Debabrata; Talukdar, Atanu; Ghosh, Uday Chand; et al.

JOURNAL OF POLYMER MATERIALS Volume: 29 Issue: 4 Pages: 411-421 Published: OCT-DEC 2012

5,135. Search for a  $W^+$  or  $\rho^+$  Decaying into  $WZ$  in pp Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 14 Article Number: 141801 Published: OCT 2 2012

5,136. Scaling of non-Ohmic conduction in strongly correlated systems

By: Talukdar, D.; Nandi, U. N.; Poddar, A.; et al.

PHYSICAL REVIEW B Volume: 86 Issue: 16 Article Number: 165104 Published: OCT 3 2012

5,137. Structural Variations of Single and Tandem Mismatches in RNA Duplexes: A Joint MD Simulation and Crystal Structure Database Analysis

By: Halder, Sukanya; Bhattacharyya, Dhananjay

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 116 Issue: 39 Pages: 11845-11856 Published: OCT 4 2012

5,138. Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 15 Article Number: 152303 Published: OCT 8 2012

5,139. Hydrophilic-like wettability of Cl-passivated Ge(001) surface

By: Bal, J. K.; Kundu, Sarathi; Hazra, S.

CHEMICAL PHYSICS Volume: 406 Pages: 72-77 Published: OCT 8 2012

5,140. Study of the average charge states of Pb-188 and No-252, No-254 ions at the gas-filled separator TASCA

By: Khuyagbaatar, J.; Ackermann, D.; Andersson, L. -L.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 689 Pages: 40-46 Published: OCT 11 2012

5,141. Rotaviral Enterotoxin Nonstructural Protein 4 Targets Mitochondria for Activation of Apoptosis during Infection

By: Bhowmick, Rahul; Halder, Umesh Chandra; Chattopadhyay, Shiladitya; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 287 Issue: 42 Pages: 35004-35020 Published: OCT 12 2012

5,142. Effect of thermal modification on swelling dynamics of ultrathin polymer films

By: Mondal, Mojammel H.; Mukherjee, M.

POLYMER Volume: 53 Issue: 22 Pages: 5170-5177 Published: OCT 12 2012

5,143. The metal-insulator transition in nanocrystalline  $\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ : the correlation between supercooling and kinetic arrest

By: Rawat, R.; Chaddah, P.; Bag, Pallab; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 41 Article Number: 416001 Published: OCT 17 2012

5,144.Copper(I) Hydroxyapatite Catalyzed Sonogashira Reaction of Alkynes with Styrenyl Bromides. Reaction of cis-Styrenyl Bromides Forming Unsymmetric Diynes  
By: Saha, Debasree; Chatterjee, Tanmay; Mukherjee, Manabendra; et al.  
JOURNAL OF ORGANIC CHEMISTRY Volume: 77 Issue: 20 Pages: 9379-9383 Published: OCT 19 2012

5,145.Structure of C-16: Testing shell model and ab initio approaches  
By: Petri, M.; Paschalis, S.; Clark, R. M.; et al.  
PHYSICAL REVIEW C Volume: 86 Issue: 4 Article Number: 044329 Published: OCT 22 2012

5,146.Search for heavy Majorana neutrinos in  $\mu^{+/-}\mu^{+/-}$  + jets and  $e^{+/-}e^{+/-}$  + jets events in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 717 Issue: 1-3 Pages: 109-128 Published: OCT 22 2012

5,147.Inclusive and differential measurements of the  $t(\bar{t})$  charge asymmetry in proton-proton collisions  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 717 Issue: 1-3 Pages: 129-150 Published: OCT 22 2012

5,148.(K<sub>s</sub>K<sub>s</sub><sup>0</sup>)-K<sup>0</sup> correlations in pp collisions at  $\sqrt{s}=7$  TeV from the LHC ALICE experiment  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 717 Issue: 1-3 Pages: 151-161 Published: OCT 22 2012

5,149.Neutral pion and eta meson production in proton-proton collisions at  $\sqrt{s}=0.9$  TeV and  $\sqrt{s}=7$  TeV  
By: Abelev, B.; Abrahantes Quintana, A.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 717 Issue: 1-3 Pages: 162-172 Published: OCT 22 2012

5,150.Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 86 Issue: 7 Article Number: 072010 Published: OCT 26 2012

5,151.Identical RNA-Protein Interactions in Vivo and in Vitro and a Scheme of Folding the Newly Synthesized Proteins by Ribosomes  
By: Das, Debasis; Samanta, Dibyendu; Hasan, Salman; et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 287 Issue: 44 Pages: 37508-37521 Published: OCT 26 2012

5,152. Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Chatrchyan, S.; Khachatryan, V.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 17 Article Number: 171803 Published: OCT 26 2012

5,153. Effect of added salt on morphology of ultrathin polyelectrolyte films

By: Samanta, Tanusree; Mukherjee, M.

POLYMER Volume: 53 Issue: 23 Pages: 5393-5403 Published: OCT 26 2012

5,154. Melting of antikaon condensate in protoneutron stars

By: Banik, Sarmistha; Nandi, Rana; Bandyopadhyay, Debades

PHYSICAL REVIEW C Volume: 86 Issue: 4 Article Number: 045803 Published: OCT 31 2012

5,155. Search for charge-asymmetric production of  $W^\pm$  bosons in  $t(\bar{t}) + \text{jet}$  events from pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 717 Issue: 4-5 Pages: 351-370 Published: OCT 31 2012

5,156. Polarization dependence of angle-resolved photoemission spectroscopy of graphite

By: Mahatha, S. K.; Menon, Krishnakumar S. R.

SURFACE SCIENCE Volume: 606 Issue: 21-22 Pages: 1705-1708 Published: NOV 2012

5,157. Magnetodielectric effect in composites of nanodimensional glass and CuO nanoparticles

By: Saha, Dhriti Ranjan; Mukherjee, Manabendra; Chakravorty, Dipankar

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 324 Issue: 23 Pages: 4073-4077 Published: NOV 2012

5,158. A numerical study on surface asperities in bakelite-RPC

By: Majumdar, N.; Mukhopadhyay, S.; Bhattacharya, P.; et al.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P11027 Published: NOV 2012

5,159. Experimental and numerical studies on the effect of SF<sub>6</sub> in a glass RPC

By: Salim, M.; Hasan, R.; Majumdar, N.; et al.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P11019 Published: NOV 2012

5,160. The histone acetyl transferase LdHAT1 from Leishmania donovani is regulated by S-phase cell cycle kinase

By: Maity, Anup Kumar; Saha, Partha

FEMS MICROBIOLOGY LETTERS Volume: 336 Issue: 1 Pages: 57-63 Published: NOV 2012

5,161. Modeling the Closed and Open State Conformations of the GABA(A) Ion Channel - Plausible Structural Insights for Channel Gating

By: Vijayan, R. S. K.; Trivedi, Neha; Roy, Sudipendra Nath; et al.  
JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 52 Issue: 11 Pages: 2958-2969  
Published: NOV 2012

5,162. Radioactivity generation in Pb target by protons - A comparative study from MeV to GeV  
By: Nandy, Maitreyee; Lahiri, Chirashree  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 50 Issue: 11 Pages: 761-765 Published:  
NOV 2012

5,163. Structural transition in rare earth doped zirconium oxide: A positron annihilation study  
By: Chakraborty, Keka; Bisoi, Abhijit; Ganguly, Bichitra Nandi; et al.  
MATERIALS RESEARCH BULLETIN Volume: 47 Issue: 11 Pages: 3660-3664 Published: NOV 2012

5,164. Density distribution for an inhomogeneous finite gravitational system  
By: Bose, A.; Janaki, M. S.  
EUROPEAN PHYSICAL JOURNAL B Volume: 85 Issue: 11 Article Number: 360 Published: NOV 2012

5,165. Instabilities and diffusion in a hydrodynamic model of a fluid membrane coupled to a thin active fluid layer  
By: Sarkar, N.; Basu, A.  
EUROPEAN PHYSICAL JOURNAL E Volume: 35 Issue: 11 Article Number: 115 Published: NOV 2012

5,166. Measurement of prompt J/psi and beauty hadron production cross sections at mid-rapidity in pp collisions at  $\sqrt{s}=7$  TeV  
By: Abelev, Betty; Adam, Jaroslav; Adamova, Dagmar; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 065 Published: NOV 2012

5,167. Topological charge density correlator in Lattice QCD with two flavours of unimproved Wilson fermions  
By: Chowdhury, Abhishek; De, Asit K.; Harindranath, A.; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 029 Published: NOV 2012

5,168. Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 172 Published: NOV 2012

5,169. Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 147 Published: NOV 2012

5,170. Tau reconstruction and identification algorithm

By: Khurana, Raman

PRAMANA-JOURNAL OF PHYSICS Volume: 79 Issue: 5 Pages: 1235-1238 Published: NOV 2012

5,171. Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 11 Article Number: 2216 Published: NOV 2012

5,172. A search for a doubly-charged Higgs boson in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 11 Article Number: 2189 Published: NOV 2012

5,173. Search for exclusive or semi-exclusive  $\gamma\gamma$  production and observation of exclusive and semi-exclusive  $e^{(+)}e^{(-)}$  production in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 080 Published: NOV 2012

5,174. Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 088 Published: NOV 2012

5,175. Measurement of the  $t\bar{t}$  production cross section in the dilepton channel in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 067 Published: NOV 2012

5,176. Structure of the N=50 As, Ge, Ga nuclei

By: Sahin, E.; de Angelis, G.; Duchene, G.; et al.

NUCLEAR PHYSICS A Volume: 893 Pages: 1-12 Published: NOV 2 2012

5,177. Anomalous behavior of the diffusion coefficient in thin active films

By: Basu, Abhik; Joanny, Jean-Francois; Juelicher, Frank; et al.

NEW JOURNAL OF PHYSICS Volume: 14 Article Number: 115001 Published: NOV 2 2012

5,178. Light mass galileons: Cosmological dynamics, mass screening and observational constraints

By: Ali, Amna; Gannouji, Radouane; Hossain, Md. Wall; et al.

PHYSICS LETTERS B Volume: 718 Issue: 1 Pages: 5-14 Published: NOV 15 2012

5,179.Charge storage properties of InP quantum dots in GaAs metal-oxide-semiconductor based nonvolatile flash memory devices

By: Kundu, Souvik; Halder, Nripendra N.; Biswas, Pranab; et al.

APPLIED PHYSICS LETTERS Volume: 101 Issue: 21 Article Number: 212108 Published: NOV 19 2012

5,180.Magic messengers in gauge mediation and signal for 125 GeV boosted Higgs boson

By: Byakti, Pritibhajan; Ghosh, Diptimoy

PHYSICAL REVIEW D Volume: 86 Issue: 9 Article Number: 095027 Published: NOV 26 2012

5,181.Observation of Sequential upsilon Suppression in PbPb Collisions

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 22 Article Number: 222301 Published: NOV 26 2012

5,182.Electronic structure investigation of MoS<sub>2</sub> and MoSe<sub>2</sub> using angle-resolved photoemission spectroscopy and ab initio band structure studies

By: Mahatha, S. K.; Patel, K. D.; Menon, Krishnakumar S. R.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 24 Issue: 47 Article Number: 475504  
Published: NOV 28 2012

5,183.Measurement of the top-quark mass in  $t(\bar{t})$  events with lepton plus jets final states in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 105 Published: DEC 2012

5,184.The structure of a thermostable mutant of pro-papain reveals its activation mechanism

By: Roy, Sumana; Choudhury, Debi; Aich, Pulakesh; et al.

ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 68 Pages: 1591-1603 Part: 12 Published: DEC 2012

5,185.RFLPs of ITS, ITS1 and hsp70 amplicons and sequencing of ITS1 of recent clinical isolates of *Kala-azar* from India and Bangladesh confirms the association of *L. tropica* with the disease

By: Khanra, Supriya; Datta, Sanchita; Mondal, Dinesh; et al.

ACTA TROPICA Volume: 124 Issue: 3 Pages: 229-234 Published: DEC 2012

5,186.Mechanism(s) of Alteration of Micro RNA Expressions in Huntington's Disease and Their Possible Contributions to the Observed Cellular and Molecular Dysfunctions in the Disease

By: Sinha, Mithun; Mukhopadhyay, Saikat; Bhattacharyya, Nitai P.

NEUROMOLECULAR MEDICINE Volume: 14 Issue: 4 Pages: 221-243 Published: DEC 2012



5,187. Cloning, expression, purification, crystallization and preliminary X-ray analysis of a fructokinase from *Vibrio cholerae* O395

By: Paul, Rakhi; Nath, Seema; Sen, Udayaditya

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION  
COMMUNICATIONS Volume: 68 Pages: 1564-1567 Part: 12 Published: DEC 2012

5,188. Thermal Decomposition of Molecular Materials  $\{N(n-C_4H_9)_4[(MFeIII)-Fe-II(C_2O_4)_3]\}_\infty$ ,  
M-II = Zn, Co, Fe

By: Bhattacharjee, Ashis; Roy, Debasis; Roy, Madhusudan

INTERNATIONAL JOURNAL OF THERMOPHYSICS Volume: 33 Issue: 12 Pages: 2351-2365 Published:  
DEC 2012

5,189. Existence of hyperons in the pulsar PSRJ1614-2230

By: Sulaksono, A.; Agrawal, B. K.

NUCLEAR PHYSICS A Volume: 895 Pages: 44-58 Published: DEC 1 2012

5,190. From a single encapsulated detector to the spectrometer for INTEGRAL satellite: predicting the peak-to-total ratio at high gamma-energies

By: Kshetri, R.

JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P12007 Published: DEC 2012

5,191. Manganese-incorporated iron(III) oxide-graphene magnetic nanocomposite: synthesis, characterization, and application for the arsenic(III)-sorption from aqueous solution

By: Nandi, Debabrata; Gupta, Kaushik; Ghosh, Arup Kumar; et al.

JOURNAL OF NANOPARTICLE RESEARCH Volume: 14 Issue: 12 Article Number: 1272 Published:  
DEC 2012

5,192. Diphoton production in the ADD model to NLO plus parton shower accuracy at the LHC

By: Frederix, R.; Mandal, Manoj K.; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 102 Published: DEC 2012

5,193. Expression of recombinant human cathepsin K is enhanced by codon optimization

By: Roy, Sumana; Dattagupta, J. K.; Biswas, Sampa

PROCESS BIOCHEMISTRY Volume: 47 Issue: 12 Pages: 1944-1947 Published: DEC 2012

5,194. Photoacoustic ultrasound spectroscopy for assessing red blood cell aggregation and oxygenation

By: Hysi, Eno; Saha, Ratan K.; Kolios, Michael C.

JOURNAL OF BIOMEDICAL OPTICS Volume: 17 Issue: 12 Article Number: 125006 Published: DEC  
2012

5,195. Measurement of the relative prompt production rate of  $\chi(c_2)$  and  $\chi(c_1)$  in pp collisions at  
root  $s=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 72 Issue: 12 Article Number: 2251 Published: DEC 2012

5,196.Measurement of the single-top-quark t-channel cross section in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 035 Published: DEC 2012

5,197.Search for resonant  $t(\bar{t})$  production in lepton plus jets events in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 015 Published: DEC 2012

5,198.Observation of Z decays to four leptons with the CMS detector at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 034 Published: DEC 2012

5,199.Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 055 Published: DEC 2012

5,200.Wake in anisotropic quark-gluon plasma

By: Mandal, Mahatsab; Roy, Pradip

PHYSICAL REVIEW D Volume: 86 Issue: 11 Article Number: 114002 Published: DEC 3 2012

5,201.D-S(+) meson production at central rapidity in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 2 Pages: 279-294 Published: DEC 5 2012

5,202.Inclusive J/psi production in pp collisions at  $\sqrt{s}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 2 Pages: 295-306 Published: DEC 5 2012

5,203.Search for pair produced fourth-generation up-type quarks in pp collisions at  $\sqrt{s}=7$  TeV with a lepton in the final state

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 2 Pages: 307-328 Published: DEC 5 2012

5,204. Search for three-jet resonances in pp collisions at root  $s=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 2 Pages: 329-347 Published: DEC 5 2012

5,205. Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 2 Pages: 348-368 Published: DEC 5 2012

5,206. A two-fluid model of the bifurcated current sheet

By: Janaki, M. S.; Dasgupta, Brahmananda; Yoon, Peter H.

JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS Volume: 117 Article Number: A12201

Published: DEC 6 2012

5,207. Local symmetries of non-expanding horizons

By: Basu, Rudranil; Chatterjee, Ayan; Ghosh, Amit

CLASSICAL AND QUANTUM GRAVITY Volume: 29 Issue: 23 Article Number: 235010 Published:

DEC 7 2012

5,208. Identification of HYPK-Interacting Proteins Reveals Involvement of HYPK in Regulating Cell Growth, Cell Cycle, Unfolded Protein Response and Cell Death

By: Choudhury, Kamalika Roy; Raychaudhuri, Swasti; Bhattacharyya, Nitai P.

PLOS ONE Volume: 7 Issue: 12 Article Number: e51415 Published: DEC 10 2012

5,209. Combined search for the quarks of a sequential fourth generation

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 86 Issue: 11 Article Number: 112003 Published: DEC 12 2012

5,210. Spectroscopy and Imaging of Plasmonic Modes Over a Single Decahedron Gold Nanoparticle: A Combined Experimental and Numerical Study

By: Das, Pabitra; Chini, Tapas Kumar

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 116 Issue: 49 Pages: 25969-25976 Published: DEC

13 2012

5,211. Thermally driven classical Heisenberg model in one dimension

By: Bagchi, Debarshee; Mohanty, P. K.

PHYSICAL REVIEW B Volume: 86 Issue: 21 Article Number: 214302 Published: DEC 14 2012

5,212. Common Origin of Fermion Mixing and Geometrical CP Violation, and Its Test Through Higgs Physics at the LHC

By: Bhattacharyya, Gautam; Varzielas, Ivo de Medeiros; Leser, Philipp

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 24 Article Number: 241603 Published: DEC 14 2012

5,213. Computational Investigation on the Photoacoustics of Malaria Infected Red Blood Cells

By: Saha, Ratan K.; Karmakar, Subhajit; Roy, Madhusudan

PLOS ONE Volume: 7 Issue: 12 Article Number: e51774 Published: DEC 14 2012

5,214. Electron acoustic shock waves in a collisional plasma

By: Dutta, Manjistha; Ghosh, Samiran; Chakrabarti, Nikhil

PHYSICAL REVIEW E Volume: 86 Issue: 6 Article Number: 066408 Part: 2 Published: DEC 18 2012

5,215. Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 25 Article Number: 252301 Published: DEC 18 2012

5,216. Growth of covariant perturbations in the contracting phase of a bouncing universe

By: Kumar, Atanu

PHYSICAL REVIEW D Volume: 86 Issue: 12 Article Number: 123522 Published: DEC 19 2012

5,217. Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 25 Article Number: 252302 Published: DEC 19 2012

5,218. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW D Volume: 86 Issue: 11 Article Number: 112007 Published: DEC 20 2012

5,219. Study of the Dijet Mass Spectrum in  $pp \rightarrow W + \text{jets}$  Events at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 109 Issue: 25 Article Number: 251801 Published: DEC 21 2012

5,220. A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

SCIENCE Volume: 338 Issue: 6114 Pages: 1569-1575 Published: DEC 21 2012

5,221. Determining the Density Content of Symmetry Energy and Neutron Skin: An Empirical Approach  
By: Agrawal, B. K.; De, J. N.; Samaddar, S. K.  
PHYSICAL REVIEW LETTERS Volume: 109 Issue: 26 Article Number: 262501 Published: DEC 26 2012

5,222. Search for Heavy Neutrinos and W-R Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp Collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 109 Issue: 26 Article Number: 261802 Published: DEC 27 2012

5,223. The First Structure of Polarity Suppression Protein, Psu from Enterobacteria Phage P4, Reveals a Novel Fold and a Knotted Dimer  
By: Banerjee, Ramanuj; Nath, Seema; Ranjan, Amitabh; et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 287 Issue: 53 Pages: 44667-44675 Published: DEC 28 2012

5,224. Search for heavy quarks decaying into a top quark and a W or Z boson using lepton plus jets events in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 154 Published: JAN 2013

5,225. An improved non-destructive method of potassium determination  
By: Maiti, Moumita; Mandal, Ajoy; Lahiri, Susanta  
APPLIED RADIATION AND ISOTOPES Volume: 71 Issue: 1 Pages: 37-40 Published: JAN 2013

5,226. Statistical spectroscopy for neutron-rich sd-shell nuclei  
By: Kar, Kamales  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 40 Issue: 1 Article Number: 015105 Published: JAN 2013

5,227. Application of PEG based aqueous biphasic systems in extraction and separation of no-carrier-added Re-183 from bulk tantalum  
By: Dutta, B.; Lahiri, S.; Tomar, B. S.  
RADIOCHIMICA ACTA Volume: 101 Issue: 1 Pages: 19-26 Published: 2013

5,228. Neutrino Yukawa Textures within Type-I Seesaw  
By: Adhikary, Biswajit; Roy, Probir  
ADVANCES IN HIGH ENERGY PHYSICS Article Number: 324756 Published: 2013

5,229. Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 013 Published: JAN 2013

5,230. Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or  $\geq 3$  b-quark jets in 7 TeV pp collisions using the variable  $\alpha(T)$

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 077 Published: JAN 2013

5,231. Measurement of the ZZ production cross section and search for anomalous couplings in 2l2l' final states in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 063 Published: JAN 2013

5,232. Functionalised Polyaniline Nanowires: A Prospective Biosensing Platform

By: Gangopadhyay, Rupali; Chowdhury, Ankan Dutta; De, Amitabha

ASIAN JOURNAL OF CHEMISTRY Volume: 25 Supplement: S Pages: S369-S372 Published: 2013

5,233. Small amplitude nonlinear electron acoustic solitary waves in weakly magnetized plasma

By: Dutta, Manjistha; Ghosh, Samiran; Roychoudhury, Rajkumar; et al.

PHYSICS OF PLASMAS Volume: 20 Issue: 1 Article Number: 012113 Published: JAN 2013

5,234. Collisional drag may lead to disappearance of wave-breaking phenomenon of lower hybrid oscillations

By: Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 20 Issue: 1 Article Number: 014501 Published: JAN 2013

5,235. Thermal decomposition of a molecular material  $\{N(n-C_4H_9)_4[(FeFeIII)-Fe-II(C_2O_4)_3]\}_n$  leading to ferrite: A reaction kinetics study

By: Bhattacharjee, Ashis; Roy, Debasis; Roy, Madhusudan; et al.

JOURNAL OF THE SERBIAN CHEMICAL SOCIETY Volume: 78 Issue: 4 Pages: 523-536 Published: 2013

5,236. Role of Magnetic Interaction in Dense Plasma

By: Sarkar, S.; Pal, K.; Dutt-Mazumder, A. K.

ADVANCES IN HIGH ENERGY PHYSICS Article Number: 530895 Published: 2013

5,237. Production and separation of Ru-97 and coproduced Tc-95 from C-12-induced reaction on yttrium target

By: Maiti, M.

RADIOCHIMICA ACTA Volume: 101 Issue: 7 Pages: 437-443 Published: 2013

5,238. Radiation-induced synthesis of self-organized assemblies of functionalized inorganic-organic hybrid nanocomposites

By: Ghosh, Srabanti; Datta, Aparna; Biswas, Nupur; et al.

RSC ADVANCES Volume: 3 Issue: 34 Pages: 14406-14412 Published: 2013

5,239. Selective detection and bio-imaging of Pd<sup>2+</sup> with novel 'C-CN' bond cleavage of cyanorhodamine, cyanation with diaminomaleonitrile

By: Goswami, Shyamaprosad; Manna, Abhishek; Maity, Anup Kumar; et al.

DALTON TRANSACTIONS Volume: 42 Issue: 36 Pages: 12844-12848 Published: 2013

5,240. Some Aspects of Anisotropic Quark-Gluon Plasma

By: Mandal, Mahatsab; Roy, Pradip

ADVANCES IN HIGH ENERGY PHYSICS Article Number: 371908 Published: 2013

5,241. The hydrophilic/hydrophobic nature of a Cl-terminated Si surface

By: Chatterjee, P.; Hazra, S.

SOFT MATTER Volume: 9 Issue: 41 Pages: 9799-9806 Published: 2013

5,242. Electromagnetic Radiations from Heavy Ion Collision

By: Mohanty, Payal; Ghosh, Sabyasachi; Mitra, Sukanya

ADVANCES IN HIGH ENERGY PHYSICS Article Number: 176578 Published: 2013

5,243. A facile approach for in situ synthesis of graphene-branched-Pt hybrid nanostructures with excellent electrochemical performance

By: Sahu, Subash Chandra; Samantara, Aneeya K.; Satpati, Biswarup; et al.

NANOSCALE Volume: 5 Issue: 22 Pages: 11265-11274 Published: 2013

5,244. Mitochondrial Quality Control: Decommissioning Power Plants in Neurodegenerative Diseases

By: Mukherjee, Rukmini; Chakrabarti, Oishee

SCIENTIFIC WORLD JOURNAL Article Number: 180759 Published: 2013

5,245. Charge separation relative to the reaction plane in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 1 Article Number: 012301 Published: JAN 2 2013

5,246. Contrasting binding of fisetin and daidzein in gamma-cyclodextrin nanocavity

By: Pahari, Biswapathik; Sengupta, Bidisha; Chakraborty, Sandipan; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 118 Pages: 33-41

Published: JAN 5 2013

5,247. Optimized luminescence properties of Mn doped ZnS nanoparticles for photovoltaic applications

By: Le Donne, Alessia; Jana, Sourav Kanti; Banerjee, Sangam; et al.

JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 1 Article Number: 014903 Published: JAN 7

2013

- 5,248. Variation in glass transition temperature of polymer nanocomposite films driven by morphological transitions  
By: Chandran, Sivasurender; Basu, J. K.; Mukhopadhyay, M. K.  
JOURNAL OF CHEMICAL PHYSICS Volume: 138 Issue: 1 Article Number: 014902 Published: JAN 7 2013
- 5,249. Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW C Volume: 87 Issue: 1 Article Number: 014902 Published: JAN 7 2013
- 5,250. Observation of a diffractive contribution to dijet production in proton-proton collisions at  $\sqrt{s} = 7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 87 Issue: 1 Article Number: 012006 Published: JAN 8 2013
- 5,251. Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 718 Issue: 3 Pages: 752-772 Published: JAN 8 2013
- 5,252. Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 718 Issue: 3 Pages: 773-794 Published: JAN 8 2013
- 5,253. Observation of long-range, near-side angular correlations in pPb collisions at the LHC  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 718 Issue: 3 Pages: 795-814 Published: JAN 8 2013
- 5,254. Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Collaboration, C. M. S.; Khachatryan, V.; et al.  
PHYSICS LETTERS B Volume: 718 Issue: 3 Pages: 815-840 Published: JAN 8 2013
- 5,255. Pushing the SUSY Higgs mass towards 125 GeV with a color adjoint  
By: Bhattacharyya, Gautam; Ray, Tirtha Sankar  
PHYSICAL REVIEW D Volume: 87 Issue: 1 Article Number: 015017 Published: JAN 11 2013



- 5,256. Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at  $\sqrt{s}=7$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 PHYSICAL REVIEW LETTERS Volume: 110 Issue: 2 Article Number: 022003 Published: JAN 11 2013
- 5,257. Evidence of a structural phase transition in superconducting SmFeAsO<sub>1-x</sub>F<sub>x</sub> from F-19 NMR  
 By: Majumder, M.; Ghoshray, K.; Mazumdar, C.; et al.  
 JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 2 Article Number: 025701  
 Published: JAN 16 2013
- 5,258. Pseudorapidity Density of Charged Particles in p plus Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV  
 By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
 Group Author(s): ALICE Collaboration  
 PHYSICAL REVIEW LETTERS Volume: 110 Issue: 3 Article Number: 032301 Published: JAN 18 2013
- 5,259. The exactly solvable spin Sutherland model of B-N type and its related spin chain  
 By: Basu-Mallick, B.; Finkel, F.; Gonzalez-Lopez, A.  
 NUCLEAR PHYSICS B Volume: 866 Issue: 3 Pages: 391-413 Published: JAN 21 2013
- 5,260. Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 PHYSICAL REVIEW LETTERS Volume: 110 Issue: 4 Article Number: 042301 Published: JAN 22 2013
- 5,261. Modified Higgs couplings and unitarity violation  
 By: Bhattacharyya, Gautam; Das, Dipankar; Pal, Palash B.  
 PHYSICAL REVIEW D Volume: 87 Issue: 1 Article Number: 011702 Published: JAN 28 2013
- 5,262. Differential Binding Response of Copper(II)-NSAIDs to Variation in Base Sequences in the DNA Backbone  
 By: Chakraborty, Sreeja; Sarkar, Munna  
 BIOPHYSICAL JOURNAL Volume: 104 Issue: 2 Supplement: 1 Pages: 424A-424A Published: JAN 29 2013
- 5,263. Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the  $q(q)\overline{q}l^{+}l^{-}$  final state  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1208-1228 Published: JAN 29 2013
- 5,264. Search for a  $W'$  boson decaying to a bottom quark and a top quark in pp collisions at  $\sqrt{s}=7$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1229-1251 Published: JAN 29 2013

5,265. Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1252-1272 Published: JAN 29 2013

5,266. Coherent J/psi photoproduction in ultra-peripheral Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1273-1283 Published: JAN 29 2013

5,267. Momentum profile analysis in one-neutron knockout from Borromean nuclei

By: Aksyutina, Yu; Aumann, T.; Boretzky, K.; et al.

PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1309-1313 Published: JAN 29 2013

5,268. Particle-antiparticle asymmetry from magnetogenesis through the Landau mechanism

By: Carcamo, D.; Das, Ashok; Gamboa, J.; et al.

PHYSICS LETTERS B Volume: 718 Issue: 4-5 Pages: 1548-1551 Published: JAN 29 2013

5,269. Ultrafast Charge Rearrangement and Nuclear Dynamics upon Inner-Shell Multiple Ionization of Small Polyatomic Molecules

By: Erk, B.; Rolles, D.; Foucar, L.; et al.

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 5 Article Number: 053003 Published: JAN 30 2013

5,270. A novel hybrid genetic algorithm with Tabu search for optimizing multi-dimensional functions and point pattern recognition

By: Garai, Gautam; Chaudhuri, B. B.

INFORMATION SCIENCES Volume: 221 Pages: 28-48 Published: FEB 1 2013

5,271. Reinforcing effect of nanosilica on the properties of natural rubber/reclaimed ground rubber tire vulcanizates

By: De, Debapriya; Panda, Prabir Kr; Roy, Madhusudan; et al.

POLYMER ENGINEERING AND SCIENCE Volume: 53 Issue: 2 Pages: 227-237 Published: FEB 2013

5,272. Species dependent extraction of Mo-99

By: Mandal, Swadesh; Mandal, Ajoy; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 295 Issue: 2 Pages: 861-863  
Published: FEB 2013

5,273. Separation of no-carrier-added Sn-113, Sn-117m and In-113m, In-114m from alpha particle irradiated natural cadmium target

By: Ghosh, K.; Maiti, M.; Lahiri, S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 295 Issue: 2 Pages: 865-870  
Published: FEB 2013

5,274. Cloud point extraction of Mo-99 with Triton X-114

By: Mandal, Swadesh; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 295 Issue: 2 Pages: 1361-1364  
Published: FEB 2013

5,275. An improved method for determination of Be-7 in mosses

By: Maiti, Moumita; Tiwari, Santosh R.; Dubey, Nilesh B.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 295 Issue: 2 Pages: 1443-1446  
Published: FEB 2013

5,276. Effect of gamma irradiation on metallothionein protein expression in *Plantago ovata* Forsk

By: Saha, Priyanka; Das, Debasis; Roy, Sumana; et al.

INTERNATIONAL JOURNAL OF RADIATION BIOLOGY Volume: 89 Issue: 2 Pages: 88-96 Published:  
FEB 2013

5,277. Search for contact interactions in  $\mu^+\mu^-$  events in pp collisions at  $\sqrt{s} = 7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 3 Article Number: 032001 Published: FEB 1 2013

5,278. Drift wave in pair-ion plasma

By: Ghosh, Samiran; Chakrabarti, Nikhil; Khan, Manoranjan; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 80 Issue: 2 Pages: 283-287 Published: FEB 2013

5,279. Effect of Al doping on microstructure and optical band gap of ZnO thin film synthesized by successive ion layer adsorption and reaction

By: Mondal, S.; Bhattacharyya, S. R.; Mitra, P.

PRAMANA-JOURNAL OF PHYSICS Volume: 80 Issue: 2 Pages: 315-326 Published: FEB 2013

5,280. A study of the performance parameters of the High Altitude Gamma Ray (HAGAR) telescope system at Ladakh in India

By: Saha, L.; Chitnis, V. R.; Vishwanath, P. R.; et al.

ASTROPARTICLE PHYSICS Volume: 42 Pages: 33-40 Published: FEB 2013

5,281. Search in leptonic channels for heavy resonances decaying to long-lived neutral particles

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 085 Published: FEB 2013

5,282. Search for exotic resonances decaying into WZ/ZZ in pp collisions at  $\sqrt{s} = 7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 036 Published: FEB 2013

5,283.Many avatars of the Wilson fermion: a perturbative analysis

By: Chowdhury, Abhishek; Harindranath, A.; Maiti, Jyotirmoy; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 037 Published: FEB 2013

5,284.The Yang-Mills and chiral fields in six dimensions

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 056 Published: FEB 2013

5,285.Study of nonlinear oscillations in a glow discharge plasma using empirical mode decomposition and Hilbert Huang transform

By: Wharton, A. M.; Iyengar, A. N. Sekar; Janaki, M. S.

PHYSICS OF PLASMAS Volume: 20 Issue: 2 Article Number: 022301 Published: FEB 2013

5,286.Pressure Effect Studies on the Spin-Transition Behavior of a Dinuclear Iron(II) Compound

By: Bhattacharjee, Ashis; Roy, Madhusudan; Ksenofontov, Vadim; et al.

EUROPEAN JOURNAL OF INORGANIC CHEMISTRY Issue: 5-6 Special Issue: SI Pages: 843-849

Published: FEB 2013

5,287.Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 2 Article Number: 2283 Published: FEB 2013

5,288.Study of structural transformation in TiO<sub>2</sub> nanoparticles and its optical properties

By: Tripathi, Anand Kumar; Singh, Manish Kumar; Mathpal, Mohan Chandra; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 549 Pages: 114-120 Published: FEB 5 2013

5,289.Hydrogen Bond Sensitive Probe 5-Methoxy-1-keto-1,2,3,4-tetrahydro Carbazole in the Microheterogeneity of Binary Mixtures and Reverse Micelles

By: Sarangi, Manas Kumar; Mitra, Amrit Krishna; Sengupta, Chaitrali; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 117 Issue: 5 Pages: 2166-2174 Published: FEB 7 2013

5,290.Effect of topological defects and Coulomb charge on the low energy quantum dynamics of gapped graphene

By: Chakraborty, Baishali; Gupta, Kumar S.; Sen, Siddhartha

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 46 Issue: 5 Article Number: 055303 Published: FEB 8 2013

5,291.Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb-Pb collisions at  $\sqrt{S_{NN}}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 719 Issue: 1-3 Pages: 18-28 Published: FEB 12 2013

5,292. Long-range angular correlations on the near and away side in p-Pb collisions at root S-NN=5.02 TeV

By: Abelev, Betty; Adam, Jaroslav; Adamova, Dagmar; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 719 Issue: 1-3 Pages: 29-41 Published: FEB 12 2013

5,293. Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 719 Issue: 1-3 Pages: 42-61 Published: FEB 12 2013

5,294. Resonance-enhanced multiple ionization of krypton at an x-ray free-electron laser

By: Rudek, Benedikt; Rolles, Daniel; Son, Sang-Kil; et al.

PHYSICAL REVIEW A Volume: 87 Issue: 2 Article Number: 023413 Published: FEB 19 2013

5,295. Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 8 Article Number: 081801 Published: FEB 20 2013

5,296. Identification of Cellular Calcium Binding Protein Calmodulin as a Regulator of Rotavirus A Infection during Comparative Proteomic Study

By: Chattopadhyay, Shiladitya; Basak, Trayambak; Nayak, Mukti Kant; et al.

PLOS ONE Volume: 8 Issue: 2 Article Number: e56655 Published: FEB 20 2013

5,297. Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 8 Article Number: 081802 Published: FEB 20 2013

5,298. Spin diffusion in the one-dimensional classical Heisenberg model

By: Bagchi, Debarshee

PHYSICAL REVIEW B Volume: 87 Issue: 7 Article Number: 075133 Published: FEB 21 2013

5,299. Excimer of 9-Aminoacridine Hydrochloride Hydrate in Confined Medium: An Integrated Experimental and Theoretical Study

By: Mitra, Piyali; Chakraborty, Brotati; Bhattacharyya, Dhananjay; et al.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 117 Issue: 7 Pages: 1428-1438 Published: FEB 21 2013

- 5,300. Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in p plus Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 110 Issue: 8 Article Number: 082302 Published: FEB 21 2013
- 5,301. Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 110 Issue: 8 Article Number: 081803 Published: FEB 21 2013
- 5,302. Jet-parton inelastic interaction beyond eikonal approximation  
By: Abir, Raktim  
PHYSICAL REVIEW D Volume: 87 Issue: 3 Article Number: 034036 Published: FEB 22 2013
- 5,303. Minor Groove Binder Distamycin Remodels Chromatin but Inhibits Transcription  
By: Majumder, Parijat; Banerjee, Amrita; Shandilya, Jayasha; et al.  
PLOS ONE Volume: 8 Issue: 2 Article Number: e57693 Published: FEB 27 2013
- 5,304. Influence of the Effective Mass Modification of Weak Interacting Light Boson on the Properties of Neutron Stars  
By: Sulaksono, A.; Agrawal, B. K.  
FEW-BODY SYSTEMS Volume: 54 Issue: 1-4 Special Issue: SI Pages: 501-504 Published: MAR 2013
- 5,305. Simultaneous production and separation of no-carrier-added In-111, Cd-109 from alpha particle induced silver target  
By: Maiti, Moumita; Ghosh, Kaustab; Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 295 Issue: 3 Pages: 1945-1950  
Published: MAR 2013
- 5,306. Giant quadrupole resonances in Pb-208, the nuclear symmetry energy, and the neutron skin thickness  
By: Roca-Maza, X.; Brenna, M.; Agrawal, B. K.; et al.  
PHYSICAL REVIEW C Volume: 87 Issue: 3 Article Number: 034301 Published: MAR 1 2013
- 5,307. Holographic entanglement entropy of the near horizon  $1/4$  BPS F-Dp bound states  
By: Dey, Parijat; Roy, Shibaji  
PHYSICAL REVIEW D Volume: 87 Issue: 6 Article Number: 066001 Published: MAR 1 2013
- 5,308. Super rapid response of humidity sensor based on MOCVD grown ZnO nanotips array  
By: Biswas, Pranab; Kundu, Souvik; Banerji, P.; et al.  
SENSORS AND ACTUATORS B-CHEMICAL Volume: 178 Pages: 331-338 Published: MAR 1 2013

5,309. Real gauge singlet scalar extension of the Standard Model: A possible candidate for cold dark matter

By: Biswas, Anirban; Majumdar, Debasish

PRAMANA-JOURNAL OF PHYSICS Volume: 80 Issue: 3 Pages: 539-557 Published: MAR 2013

5,310. miR-125b promotes cell death by targeting spindle assembly checkpoint gene MAD1 and modulating mitotic progression

By: Bhattacharjya, S.; Nath, S.; Ghose, J.; et al.

CELL DEATH AND DIFFERENTIATION Volume: 20 Issue: 3 Pages: 430-442 Published: MAR 2013

5,311. Differential scanning calorimetric approach to study the effect of melting region upon transcription initiation by T7 RNA polymerase and role of high affinity GTP binding

By: Pal, Sudipta; Dasgupta, Dipak

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 31 Issue: 3 Pages: 288-298  
Published: MAR 1 2013

5,312. Search for new physics in events with same-sign dileptons and b jets in pp collisions at root s=8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 037 Published: MAR 2013

5,313. Introducing the CTA concept

By: Acharya, B. S.; Actis, M.; Aghajani, T.; et al.

Group Author(s): CTA Consortium

ASTROPARTICLE PHYSICS Volume: 43 Special Issue: SI Pages: 3-18 Published: MAR 2013

5,314. Gauge-free Coleman-Weinberg potential

By: Bhattacharjee, Srijit; Majumdar, Parthasarathi

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 3 Article Number: 2348 Published: MAR 2013

5,315. Measurement of differential top-quark-pair production cross sections in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 3 Article Number: 2339 Published: MAR 2013

5,316. Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 111 Published: MAR 2013

5,317. Plasma equilibrium in a semiclassical plasma due to non-resonant wave particle interactions

By: Bose, Anirban; Janaki, M. S.

PHYSICS OF PLASMAS Volume: 20 Issue: 3 Article Number: 032104 Published: MAR 2013

5,318. Evolution of nanoparticle-induced distortion on viral polyhedra

By: Das, Sumistha; Datta, Alokmay; Mukherjee, Smita; et al.

JOURNAL OF BIOLOGICAL PHYSICS Volume: 39 Issue: 2 Special Issue: SI Pages: 173-181 Published: MAR 2013

5,319. Reply to Comment of Professor T. Butz on "Oxidation of Hafnium and Diffusion of Hafnium Atoms in Hexagonal Close-Packed Hf; Microscopic Investigations by Perturbed Angular Correlations" by Chandi C. Dey, Z. Naturforsch 67a, 633 (2012)

By: Dey, Chandi C.

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 68 Issue: 3-4 Pages: 317-317 Published: MAR-APR 2013

5,320. Colossal piezoresistance effect in  $\text{Sm}_{0.55}(\text{Sr}_{0.5}\text{Ca}_{0.5})_{0.45}\text{MnO}_3$  single crystal

By: Radheep, D. Mohan; Sarkar, P.; Arumugam, S.; et al.

APPLIED PHYSICS LETTERS Volume: 102 Issue: 9 Article Number: 092406 Published: MAR 4 2013

5,321. Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 5 Article Number: 052006 Published: MAR 5 2013

5,322. Stability of quantum isolated horizon: a local observer's view

By: Majhi, Abhishek

CLASSICAL AND QUANTUM GRAVITY Volume: 30 Issue: 5 Article Number: 055020 Published: MAR 7 2013

5,323. Stability of quantum isolated horizon: a local observer's view

By: Majhi, Abhishek

CLASSICAL AND QUANTUM GRAVITY Volume: 30 Issue: 5 Article Number: 055001 Published: MAR 7 2013

5,324. Phase transitions and continuously variable scaling in a chiral quenched disordered model

By: Sarkar, Niladri; Basu, Abhik

PHYSICAL REVIEW E Volume: 87 Issue: 3 Article Number: 032118 Published: MAR 8 2013

5,325. Shock wave structures in a dissipative quantum plasma

By: Ghosh, Samiran; Chakrabarti, Nikhil

PHYSICAL REVIEW E Volume: 87 Issue: 3 Article Number: 033102 Published: MAR 12 2013

5,326. Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at  $\sqrt{s(\text{NN})}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.



Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 720 Issue: 1-3 Pages: 52-62 Published: MAR 13 2013

5,327. Search for heavy narrow dilepton resonances in pp collisions at  $\sqrt{s}=7$  TeV and  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 720 Issue: 1-3 Pages: 63-82 Published: MAR 13 2013

5,328. Measurement of the  $t(\bar{t})$  production cross section in pp collisions at  $\sqrt{s}=7$  TeV with lepton plus jets final states

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 720 Issue: 1-3 Pages: 83-104 Published: MAR 13 2013

5,329. Thermally stable polypyrrole-Mn doped Fe(III) oxide nanocomposite sandwiched in graphene layer: Synthesis, characterization with tunable electrical conductivity

By: Nandi, Debabrata; Gupta, Kaushik; Ghosh, Arup Kumar; et al.

CHEMICAL ENGINEERING JOURNAL Volume: 220 Pages: 107-116 Published: MAR 15 2013

5,330. Quantum well states in Ag thin films on MoS<sub>2</sub>(0001) surfaces

By: Mahatha, S. K.; Menon, Krishnakumar S. R.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 11 Article Number: 115501

Published: MAR 20 2013

5,331. Rotational bands in Sb-113

By: Banerjee, P.; Ganguly, S.; Pradhan, M. K.; et al.

PHYSICAL REVIEW C Volume: 87 Issue: 3 Article Number: 034321 Published: MAR 25 2013

5,332. Charged kaon femtosopic correlations in pp collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 5 Article Number: 052016 Published: MAR 25 2013

5,333. Phase transition and phase coexistence in coupled rings with driven exclusion processes

By: Chatterjee, Rakesh; Chandra, Anjan Kumar; Basu, Abhik

PHYSICAL REVIEW E Volume: 87 Issue: 3 Article Number: 032157 Published: MAR 25 2013

5,334. Search for contact interactions using the inclusive jet  $p(T)$  spectrum in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 5 Article Number: 052017 Published: MAR 26 2013

5,335. Search for excited leptons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 720 Issue: 4-5 Pages: 309-329 Published: MAR 26 2013

5,336. Infrared divergences, mass shell singularities and gauge dependence of the dynamical fermion mass

By: Das, Ashok K.; Frenkel, J.; Schubert, C.

PHYSICS LETTERS B Volume: 720 Issue: 4-5 Pages: 414-418 Published: MAR 26 2013

5,337. Lifshitz metric with hyperscaling violation from NS5-Dp states in string theory

By: Dey, Parijat; Roy, Shibaji

PHYSICS LETTERS B Volume: 720 Issue: 4-5 Pages: 419-423 Published: MAR 26 2013

5,338. Crystalline Growth of Rubrene Film Enhanced by Vertical Ordering in Cadmium Arachidate Multilayer Substrate

By: Wang, Chia-Hsin; Islam, A. K. M. Maidul; Yang, Yaw-Wen; et al.

LANGMUIR Volume: 29 Issue: 12 Pages: 3957-3967 Published: MAR 26 2013

5,339. EFFECTS OF STRAIN COUPLING AND MARGINAL DIMENSIONALITY IN THE NATURE OF PHASE TRANSITION IN QUANTUM PARAELECTRICS

By: Das, Nabyendu

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 27 Issue: 8 Article Number: 1350028  
Published: MAR 30 2013

5,340. Solventless synthesis of hematite nanoparticles using ferrocene

By: Bhattacharjee, A.; Rooj, A.; Roy, M.; et al.

JOURNAL OF MATERIALS SCIENCE Volume: 48 Issue: 7 Pages: 2961-2968 Published: APR 2013

5,341. Reinforcing effect of reclaim rubber on natural rubber/polybutadiene rubber blends

By: De, Debapriya; Panda, Prabir Kr.; Roy, Madhusudan; et al.

MATERIALS & DESIGN Volume: 46 Pages: 142-150 Published: APR 2013

5,342. Identification of b-quark jets with the CMS experiment

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 8 Article Number: P04013 Published: APR 2013

5,343.

Electronic transport minimum in SmCuAs<sub>2</sub> at low temperatures and structural anomalies

By: Sengupta, K.; Iyer, K. K.; Ranganathan, R.; et al.

SOLID STATE COMMUNICATIONS Volume: 159 Pages: 29-31 Published: APR 2013

5,344.

Pointing of HAGAR telescope mirrors

By: Gothe, K. S.; Prabhu, T. P.; Vishwanath, P. R.; et al.

EXPERIMENTAL ASTRONOMY Volume: 35 Issue: 3 Pages: 489-506 Published: APR 2013

- 5,345. Nonlinear electron acoustic cyclotron waves in presence of uniform magnetic field  
 By: Dutta, Manjitha; Ghosh, Samiran; Roychoudhury, Rajkumar; et al.  
 PHYSICS OF PLASMAS Volume: 20 Issue: 4 Article Number: 042301 Published: APR 2013
- 5,346. Crossover behaviors in one and two dimensional heterogeneous load sharing fiber bundle models  
 By: Biswas, Soumyajyoti; Chakrabarti, Bikas K.  
 EUROPEAN PHYSICAL JOURNAL B Volume: 86 Issue: 4 Article Number: 160 Published: APR 2013
- 5,347. Measurement of the  $t\bar{t}$  production cross section in the tau plus jets channel in pp collisions at  $\sqrt{s}=7$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 4 Article Number: 2386 Published: APR 2013
- 5,348. Preparation of manganese-doped ZnO thin films and their characterization  
 By: Mondal, S.; Bhattacharyya, S. R.; Mitra, P.  
 BULLETIN OF MATERIALS SCIENCE Volume: 36 Issue: 2 Pages: 223-229 Published: APR 2013
- 5,349. A Dirac-type variant of the xp-model and the Riemann zeros  
 By: Gupta, Kumar S.; Harikumar, E.; de Queiroz, Amilcar R.  
 EPL Volume: 102 Issue: 1 Article Number: 10006 Published: APR 2013
- 5,350. Study of the underlying event at forward rapidity in pp collisions at  $\sqrt{s}=0.9, 2.76, \text{ and } 7$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 072 Published: APR 2013
- 5,351. Measurement of the  $X(3872)$  production cross section via decays to  $J/\psi \pi^+ \pi^-$  in pp collisions at  $\sqrt{s}=7$  TeV  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 154 Published: APR 2013
- 5,352. Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network  
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
 Group Author(s): CMS Collaboration  
 PHYSICAL REVIEW D Volume: 87 Issue: 7 Article Number: 072001 Published: APR 2 2013
- 5,353. Non-Fermi liquid behavior of thermal relaxation time in degenerate electron plasma  
 By: Sarkar, Sreemoyee; Dutt-Mazumder, Abhee K.  
 PHYSICAL REVIEW D Volume: 87 Issue: 7 Article Number: 076003 Published: APR 2 2013
- 5,354. Dynamical percolation transition in the two-dimensional ANNNI model

By: Chandra, Anjan Kumar

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 13 Article Number: 136002  
Published: APR 3 2013

5,355. Destruction of ferromagnetism in Cu-doped ZnO upon thermal annealing: role of oxygen vacancy

By: Ghosh, B.; Sardar, M.; Banerjee, S.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 46 Issue: 13 Article Number: 135001  
Published: APR 3 2013

5,356. Search for  $Z'$  resonances decaying to  $t\bar{t}$  in dilepton plus jets final states in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 7 Article Number: 072002 Published: APR 3 2013

5,357. Search for pair-produced dijet resonances in four-jet final states in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 14 Article Number: 141802 Published: APR 4 2013

5,358. Protein interactions of Merocyanine 540: Spectroscopic and crystallographic studies with lysozyme as a model protein

By: Mitra, Piyali; Banerjee, Mousumi; Biswas, Sampa; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 121 Pages: 46-56  
Published: APR 5 2013

5,359. Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 7 Article Number: 072005 Published: APR 8 2013

5,360. Measurement of electrons from beauty hadron decays in pp collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 721 Issue: 1-3 Pages: 13-23 Published: APR 10 2013

5,361. Net-Charge Fluctuations in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 15 Article Number: 152301 Published: APR 10 2013

5,362. Electric field driven destabilization of the insulating state in nominally pure LaMnO<sub>3</sub>

By: Nath, Rajib; Raychaudhuri, A. K.; Mukovskii, Ya M.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 15 Article Number: 155605

Published: APR 17 2013

5,363. Universality in the entropy change for the inverse magnetocaloric effect

By: Biswas, Anis; Chandra, Sayan; Samanta, Tapas; et al.

PHYSICAL REVIEW B Volume: 87 Issue: 13 Article Number: 134420 Published: APR 22 2013

5,364. Hawking radiation from dynamical horizons

By: Chatterjee, Ayan; Chatterjee, Bhramar; Ghosh, Amit

PHYSICAL REVIEW D Volume: 87 Issue: 8 Article Number: 084051 Published: APR 23 2013

5,365. Measurement of the  $W+W^-$  and  $ZZ$  production cross sections in  $pp$  collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 721 Issue: 4-5 Pages: 190-211 Published: APR 25 2013

5,366. Evolution of Vacancy-Type Defects, Phase Transition, and Intrinsic Ferromagnetism during Annealing of Nanocrystalline  $TiO_2$  Studied by Positron Annihilation Spectroscopy

By: Ghosh, S.; Khan, Gobinda Gopal; Mandal, K.; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 117 Issue: 16 Pages: 8458-8467 Published: APR 25 2013

5,367. Measurement of associated production of vector bosons and top quark-antiquark pairs in  $pp$  collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 17 Article Number: 172002 Published: APR 25 2013

5,368. Deriving the velocity distribution of Galactic dark matter particles from the rotation curve data

By: Bhattacharjee, Pijushpani; Chaudhury, Soumini; Kundu, Susmita; et al.

PHYSICAL REVIEW D Volume: 87 Issue: 8 Article Number: 083525 Published: APR 26 2013

5,369. Exploring autocorrelations in two-flavor Wilson Lattice QCD using DD-HMC algorithm

By: Chowdhury, Abhishek; De, Asit K.; De Sarkar, Sangita; et al.

COMPUTER PHYSICS COMMUNICATIONS Volume: 184 Issue: 5 Pages: 1439-1445 Published: MAY 2013

5,370. Interactions of Dietary Flavonoids with Proteins: Insights from Fluorescence Spectroscopy and Other Related Biophysical Studies

By: Chaudhuri, Sudip; Sengupta, Bidisha; Taylor, Jasmine; et al.

CURRENT DRUG METABOLISM Volume: 14 Issue: 4 Pages: 491-503 Published: MAY 2013

5,371. Search for supersymmetry in pp collisions at  $\sqrt{s}=7$  TeV in events with a single lepton, jets, and missing transverse momentum

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 5 Article Number: UNSP 2404 Published: MAY 2013

5,372. Absorbing phase transition in energy exchange models

By: Basu, U.; Basu, M.; Mohanty, P. K.

EUROPEAN PHYSICAL JOURNAL B Volume: 86 Issue: 5 Article Number: 236 Published: MAY 2013

5,373. Disruption avoidance in the SINP-Tokamak by means of electrode-biasing at the plasma edge

By: Basu, Debjyoti; Pal, Rabindranath; Martinell, Julio J.; et al.

PHYSICS OF PLASMAS Volume: 20 Issue: 5 Article Number: 052502 Published: MAY 2013

5,374. Phase mixing of upper hybrid oscillations in a cold inhomogeneous plasma placed in an inhomogeneous magnetic field

By: Sarkar, Anwesa; Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 20 Issue: 5 Article Number: 052301 Published: MAY 2013

5,375. The nucleation parameter for heavy-ion induced bubble nucleation in superheated emulsion detector

By: Seth, S.; Das, M.; Bhattacharya, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 8 Article Number: P05001 Published: MAY 2013

5,376. Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 145 Published: MAY 2013

5,377. Studies of jet mass in dijet and W/Z plus jet events

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: UNSP 090 Published: MAY 2013

5,378. Burgeoning the Higgs mass to 125 GeV through messenger-matter interactions in GMSB models

By: Byakti, Pritibhajan; Ray, Tirtha Sankar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 055 Published: MAY 2013

5,379. Measurement of the  $t\bar{t}$  production cross section in the all-jet final state in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: UNSP 065 Published: MAY 2013

5,380.Comment on "Evidence of antimagnetic rotation in odd-A Cd-105"

By: Roy, Santosh; Chattopadhyay, S.

PHYSICAL REVIEW C Volume: 87 Issue: 5 Article Number: 059801 Published: MAY 3 2013

5,381.Enhancement of Proteolytic Activity of a Thermostable Papain-Like Protease by Structure-Based Rational Design

By: Dutta, Sruti; Dattagupta, Jiban Kanti; Biswas, Sampa

PLOS ONE Volume: 8 Issue: 5 Article Number: e62619 Published: MAY 3 2013

5,382.Two-loop hard thermal loop pressure at finite temperature and chemical potential

By: Haque, Najmul; Mustafa, Munshi G.; Strickland, Michael

PHYSICAL REVIEW D Volume: 87 Issue: 10 Article Number: 105007 Published: MAY 7 2013

5,383.The universal behavior of inverse magnetocaloric effect in antiferromagnetic materials

By: Biswas, Anis; Chandra, Sayan; Samanta, Tapas; et al.

JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 17 Article Number: 17A902 Published: MAY 7 2013

5,384.Microwave spectral studies of 2,4-difluorobenzaldehyde: O-trans conformer

By: Bhattacharya, Rangana; Jaman, A. I.

JOURNAL OF MOLECULAR STRUCTURE Volume: 1039 Pages: 174-178 Published: MAY 8 2013

5,385.Measurement of the inelastic proton-proton cross section at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 1-3 Pages: 5-27 Published: MAY 13 2013

5,386.Search for anomalous production of highly boosted Z bosons decaying to mu(+)-mu(-) in proton-proton collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 1-3 Pages: 28-47 Published: MAY 13 2013

5,387.Vortex dynamics and second magnetization peak in PrFeAsO<sub>0.60</sub>F<sub>0.12</sub> superconductor

By: Bhoi, D.; Mandal, P.; Choudhury, P.

JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 18 Article Number: 183902 Published: MAY 14 2013

5,388.Critical exponents and irreversibility lines of La<sub>0.9</sub>Sr<sub>0.1</sub>CoO<sub>3</sub> single crystal

By: Khan, N.; Midya, A.; Mandal, P.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 18 Article Number: 183909 Published: MAY 14 2013

5,389. Local electromagnetic properties of magnetic pnictides: a comparative study probed by NMR measurements

By: Majumder, M.; Ghoshray, K.; Ghoshray, A.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 19 Article Number: 196002

Published: MAY 15 2013

5,390. Search for fractionally charged particles in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 9 Article Number: 092008 Published: MAY 21 2013

5,391. Wave-Breaking Phenomena in a Relativistic Magnetized Plasma

By: Maity, Chandan; Sarkar, Anwesa; Shukla, Padma Kant; et al.

PHYSICAL REVIEW LETTERS Volume: 110 Issue: 21 Article Number: 215002 Published: MAY 21 2013

5,392. Periodic dynamics of fermionic superfluids in the BCS regime

By: Roy, A.; Dasgupta, R.; Modak, S.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 20 Article Number: 205703

Published: MAY 22 2013

5,393. Microwave spectral studies of 2, 4-difluorobenzaldehyde: O-trans conformer (vol 1039C, pg 174, 2013)

By: Bhattacharya, Rangana; Jaman, A. I.

JOURNAL OF MOLECULAR STRUCTURE Volume: 1040 Pages: 254-254 Published: MAY 22 2013

5,394. Influence of Si substitution on the structure, magnetism, exchange bias and negative magnetoresistance in Ni<sub>48</sub>Mn<sub>39</sub>Sn<sub>13</sub> Heusler alloys

By: Muthu, S. Esakki; Singh, Sanjay; Thiyagarajan, R.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 46 Issue: 20 Article Number: 205001

Published: MAY 22 2013

5,395. Direct Experimental Evidence of Nucleation and Kinetics Driven Two-Dimensional Growth of Core-Shell Structures

By: Ghosh, Tanmay; Satpati, Biswarup

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 117 Issue: 20 Pages: 10825-10833 Published: MAY

23 2013

5,396. Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 4-5 Pages: 207-232 Published: MAY 24 2013

5,397. Event shapes and azimuthal correlations in Z plus jets events in pp collisions at  $\sqrt{s}=7$  TeV



By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 4-5 Pages: 238-261 Published: MAY 24 2013

5,398.Measurement of the inclusive differential jet cross section in pp collisions at root s=2.76 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 4-5 Pages: 262-272 Published: MAY 24 2013

5,399.Search for long-lived particles in events with photons and missing energy in proton-proton collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 722 Issue: 4-5 Pages: 273-294 Published: MAY 24 2013

5,400.The universal behavior of inverse magnetocaloric effect in antiferromagnetic materials (vol 113, 17A902, 2013)

By: Biswas, Anis; Chandra, Sayan; Samanta, Tapas; et al.

JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 20 Article Number: 209901 Published: MAY 28 2013

5,401.Constraining the density dependence of the symmetry energy from nuclear masses

By: Agrawal, B. K.; De, J. N.; Samaddar, S. K.; et al.

PHYSICAL REVIEW C Volume: 87 Issue: 5 Article Number: 051306 Published: MAY 29 2013

5,402.UPSILON PRODUCTION IN pp COLLISIONS FOR FORWARD RAPIDITIES AT LHC

By: Kisslinger, Leonard S.; Das, Debasish

MODERN PHYSICS LETTERS A Volume: 28 Issue: 16 Article Number: 1350067 Published: MAY 30 2013

5,403.Comparison of Modules of Wild Type and Mutant Huntingtin and TP53 Protein Interaction Networks: Implications in Biological Processes and Functions

By: Basu, Mahashweta; Bhattacharyya, Nitai P.; Mohanty, Pradeep K.

PLOS ONE Volume: 8 Issue: 5 Article Number: UNSP e64838 Published: MAY 31 2013

5,404.Interaction between hemoglobin A and merocyanine 540: A spectroscopic investigation supported by docking

By: Banerjee, Mousumi; Chakrabarti, Abhijit; Basu, Samita

DYES AND PIGMENTS Volume: 97 Issue: 3 Pages: 446-454 Published: JUN 2013

5,405.Pion and nucleon in two flavour QCD with unimproved Wilson fermions

By: Chowdhury, Abhishek; De, Asit K.; De Sarkar, Sangita; et al.

NUCLEAR PHYSICS B Volume: 871 Issue: 1 Pages: 82-97 Published: JUN 1 2013

5,406.Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 081 Published: JUN 2013

5,407.Orientation enhancement in early visual processing can explain time course of brightness contrast and White's illusion

By: Karmakar, Subhajit; Sarkar, Sandip

BIOLOGICAL CYBERNETICS Volume: 107 Issue: 3 Pages: 337-354 Published: JUN 2013

5,408.Microstructure and optical characterizations of mechanothesized nanocrystalline (Ti<sub>0.9</sub>Si<sub>0.1</sub>)N

By: Bhaskar, U. K.; Satpati, B.; Pradhan, S. K.

POWDER TECHNOLOGY Volume: 241 Pages: 28-35 Published: JUN 2013

5,409.Wetting and Surface Energy of Vertically Aligned Silicon Nanowires

By: Jana, S.; Mondal, S.; Bhattacharyya, S. R.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 13 Issue: 6 Pages: 3983-3989  
Published: JUN 2013

5,410.Magnetic structures in RNi<sub>4</sub>B (R=Nd, Tb, Ho, Er)

By: Alleno, E.; Mazumdar, C.

JOURNAL OF SOLID STATE CHEMISTRY Volume: 202 Pages: 15-21 Published: JUN 2013

5,411.Searching for universal behaviour in superheated droplet detector with effective recoil nuclei

By: Das, Mala; Seth, Susnata

PRAMANA-JOURNAL OF PHYSICS Volume: 80 Issue: 6 Pages: 983-994 Published: JUN 2013

5,412.Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 6 Article Number: 2456 Published: JUN 2013

5,413.Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 6 Article Number: 2469 Published: JUN 2013

5,414.Measurements of differential jet cross sections in proton-proton collisions at  $\sqrt{s}=7$  TeV with the CMS detector

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 87 Issue: 11 Article Number: UNSP 112002 Published: JUN 3 2013

- 5,415. Different realizations of kappa-momentum  
By: Meljanac, S.; Pachol, A.; Samsarov, A.; et al.  
PHYSICAL REVIEW D Volume: 87 Issue: 12 Article Number: 125009 Published: JUN 4 2013
- 5,416. Nuclear temperatures from evaporation fragment spectra and observed anomalies  
By: Ray, A.; De, A.; Chatterjee, A.; et al.  
PHYSICAL REVIEW C Volume: 87 Issue: 6 Article Number: 064604 Published: JUN 10 2013
- 5,417. Clusters of bound particles in the derivative delta-function Bose gas  
By: Basu-Mallick, B.; Bhattacharyya, Tanaya; Sen, Diptiman  
NUCLEAR PHYSICS B Volume: 871 Issue: 2 Pages: 362-392 Published: JUN 11 2013
- 5,418. Prospect of Bioflavonoid Fisetin as a Quadruplex DNA Ligand: A Biophysical Approach  
By: Sengupta, Bidisha; Pahari, Biswapathik; Blackmon, Laura; et al.  
PLOS ONE Volume: 8 Issue: 6 Article Number: e65383 Published: JUN 13 2013
- 5,419. Morphology and chemical properties of silver-triblock copolymer nanocomposite thin films  
By: Islam, A. K. M. Maidul; Mukherjee, S.; Nannarone, S.; et al.  
MATERIALS CHEMISTRY AND PHYSICS Volume: 140 Issue: 1 Pages: 284-293 Published: JUN 15 2013
- 5,420. Search for narrow resonances using the dijet mass spectrum in pp collisions at  $\sqrt{s}=8$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 87 Issue: 11 Article Number: 114015 Published: JUN 17 2013
- 5,421. Ellipticine Binds to a Human Telomere Sequence: An Additional Mode of Action as a Putative Anticancer Agent?  
By: Ghosh, Saptarni; Kar, Anirban; Chowdhury, Shantanu; et al.  
BIOCHEMISTRY Volume: 52 Issue: 24 Pages: 4127-4137 Published: JUN 18 2013
- 5,422. Structural Alterations of Lamin A Protein in Dilated Cardiomyopathy  
By: Bhattacharjee, Pritha; Banerjee, Avinanda; Banerjee, Amrita; et al.  
BIOCHEMISTRY Volume: 52 Issue: 24 Pages: 4229-4241 Published: JUN 18 2013
- 5,423. DISCOVERY OF TeV GAMMA-RAY EMISSION TOWARD SUPERNOVA REMNANT SNR G78.2+2.1  
By: Aliu, E.; Archambault, S.; Arlen, T.; et al.  
ASTROPHYSICAL JOURNAL Volume: 770 Issue: 2 Article Number: 93 Published: JUN 20 2013
- 5,424. Quasilocal first law for black hole thermodynamics  
By: Frodden, Ernesto; Ghosh, Amit; Perez, Alejandro  
PHYSICAL REVIEW D Volume: 87 Issue: 12 Article Number: 121503 Published: JUN 24 2013
- 5,425. Structure of the unbound nucleus Be-13: One-neutron knockout reaction data from Be-14 analyzed in a holistic approach

- By: Aksyutina, Yu.; Aumann, T.; Boretzky, K.; et al.  
PHYSICAL REVIEW C Volume: 87 Issue: 6 Article Number: 064316 Published: JUN 25 2013
- 5,426.Charge correlations using the balance function in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 723 Issue: 4-5 Pages: 267-279 Published: JUN 25 2013
- 5,427.Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 723 Issue: 4-5 Pages: 280-301 Published: JUN 25 2013
- 5,428.Mithramycin exhibits dual binding mode and acts as an epigenetic switch  
By: Banerjee, Amrita; Das, Chandrima; Dasgupta, Dipak  
CANCER RESEARCH Volume: 73 Supplement: 13 Meeting Abstract: B44 Published: JUL 1 2013
- 5,429.Kinematical coincidence method in transfer reactions  
By: Acosta, L.; Amorini, E.; Auditore, L.; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 715 Pages: 56-61 Published:  
JUL 1 2013
- 5,430.Gamma ray and neutrino flux from the annihilation of neutralino dark matter at the Galactic  
halo region in the mAMSB model  
By: Modak, Kamakshya Prasad; Majumdar, Debasish  
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 40 Issue: 7 Article Number:  
UNSP 075201 Published: JUL 2013
- 5,431.Study of gamma ray response of R404A superheated droplet detector using a two-state model  
By: Mondal, P. K.; Chatterjee, B. K.  
APPLIED RADIATION AND ISOTOPES Volume: 77 Pages: 61-67 Published: JUL 2013
- 5,432.Structural and microstructural characterizations of nanocrystalline hydroxyapatite synthesized  
by mechanical alloying  
By: Lala, S.; Satpati, B.; Kar, T.; et al.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS Volume: 33  
Issue: 5 Pages: 2891-2898 Published: JUL 1 2013
- 5,433.Chemical composition of soil evolving from municipal solid waste using energy dispersive X-ray  
fluorescence  
By: Gupta, Dhruvajyoti; Roy, Subinit; Ghosh, Rita; et al.  
X-RAY SPECTROMETRY Volume: 42 Issue: 4 Special Issue: SI Pages: 268-275 Published: JUL-AUG  
2013

5,434. Nanoparticle-induced morphological transition of Bombyx mori nucleopolyhedrovirus: a novel method to treat silkworm grasserie disease

By: Das, Sumistha; Bhattacharya, Ankita; Debnath, Nitai; et al.

APPLIED MICROBIOLOGY AND BIOTECHNOLOGY Volume: 97 Issue: 13 Pages: 6019-6030

Published: JUL 2013

5,435. Fluorescence Spectroscopic and Calorimetry Based Approaches to Characterize the Mode of Interaction of Small Molecules with DNA

By: Banerjee, Amrita; Singh, Jasdeep; Dasgupta, Dipak

JOURNAL OF FLUORESCENCE Volume: 23 Issue: 4 Pages: 745-752 Published: JUL 2013

5,436. Nonlinear dynamical modelling of chaotic electrostatic ion cyclotron oscillations by jerk equations

By: Wharton, A. M.; Janaki, M. S.; Iyengar, A. N. S.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 222 Issue: 3-4 Pages: 751-755 Published:

JUL 2013

5,437. Long range correlation in earthquake precursory signals

By: Chaudhuri, H.; Barman, C.; Iyengar, A. N. S.; et al.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 222 Issue: 3-4 Pages: 827-838 Published:

JUL 2013

5,438. Nonequilibrium dynamics of ultracold Fermi superfluids

By: Roy, Analabha

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 222 Issue: 3-4 Pages: 975-993 Published:

JUL 2013

5,439. Mid-rapidity anti-baryon to baryon ratios in pp collisions at root s=0.9, 2.76 and 7 TeV measured by ALICE

By: Abbas, E.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 7 Article Number: 2496 Published: JUL 2013

5,440. Search for physics beyond the standard model in events with tau leptons, jets, and large transverse momentum imbalance in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 7 Article Number: UNSP 2493 Published: JUL

2013

5,441. Measurement of masses in the t(t)over-tilde system by kinematic endpoints in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 7 Article Number: 2494 Published: JUL 2013

5,442. Search for microscopic black holes in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: UNSP 178 Published: JUL 2013

5,443. Measurement of the  $\Lambda(0)(b)$  lifetime in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 163 Published: JUL 2013

5,444. Searches for long-lived charged particles in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 122 Published: JUL 2013

5,445. Study of exclusive two-photon production of  $W+W^-$  in pp collisions at  $\sqrt{s}=7$  TeV and constraints on anomalous quartic gauge couplings

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 116 Published: JUL 2013

5,446. Quark number susceptibilities from two-loop hard thermal loop perturbation theory

By: Haque, Najmul; Mustafa, Munshi G.; Strickland, Michael

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 184 Published: JUL 2013

5,447. Kelvin-Helmholtz instability in non-Newtonian complex plasma

By: Banerjee, D.; Garai, S.; Janaki, M. S.; et al.

PHYSICS OF PLASMAS Volume: 20 Issue: 7 Article Number: 073702 Published: JUL 2013

5,448. Search for new physics in events with same-sign dileptons and b jets in pp collisions at  $\sqrt{s}=8$  TeV (vol 3, pg 037, 2013)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 041 Published: JUL 2013

5,449. Late-time acceleration in a slow-moving Galileon field

By: Adak, Debabrata; Ali, Amna; Majumdar, Debasish

PHYSICAL REVIEW D Volume: 88 Issue: 2 Article Number: 024007 Published: JUL 3 2013

5,450. Thermodynamics of quantum isolated horizons with model Hamiltonians

By: Majhi, Abhishek

PHYSICAL REVIEW D Volume: 88 Issue: 2 Article Number: 024010 Published: JUL 8 2013

5,451. Comment on "Proton Spin Structure from Measurable Parton Distributions"

By: Harindranath, A.; Kundu, Rajen; Mukherjee, Asmita; et al.

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 3 Article Number: 039102 Published: JUL 16 2013

5,452.Noise-induced rupture process: Phase boundary and scaling of waiting time distribution

By: Pradhan, Srutarshi; Chandra, Anjan Kumar; Chakrabarti, Bikas K.

PHYSICAL REVIEW E Volume: 88 Issue: 1 Article Number: 012123 Published: JUL 18 2013

5,453.Positional dependence of energy gap on line defect in armchair graphene nanoribbons: Two-terminal transport and related issues

By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 3 Article Number: 034306 Published: JUL 21 2013

5,454.Photoacoustic response of suspended and hemolyzed red blood cells

By: Saha, Ratan K.; Karmakar, Subhajit; Roy, Madhusudan

APPLIED PHYSICS LETTERS Volume: 103 Issue: 4 Article Number: 044101 Published: JUL 22 2013

5,455.Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 724 Issue: 4-5 Pages: 213-240 Published: JUL 23 2013

5,456.Network of seismo-geochemical monitoring observatories for earthquake prediction research in India

By: Chaudhuri, Hirok; Barman, Chiranjib; Iyengar, A. N. Sekar; et al.

ACTA GEOPHYSICA Volume: 61 Issue: 4 Pages: 1000-1025 Published: AUG 2013

5,457.Aspects of gamma-radiation induced modification of calf thymus DNA in the presence of sodium 1,4-dihydroxy-9,10-anthraquinone-2-sulfonate and its transition metal complexes with Cu<sup>2+</sup> and Ni<sup>2+</sup>

By: Guin, Partha Sarathi; Mandal, Parikshit Chandra; Das, Saurabh

RADIATION PHYSICS AND CHEMISTRY Volume: 89 Pages: 38-42 Published: AUG 2013

5,458.Influence of divalent magnesium ion on DNA: molecular dynamics simulation studies

By: Mukherjee, Sanchita; Bhattacharyya, Dhananjay

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 31 Issue: 8 Pages: 896-912

Published: AUG 1 2013

5,459.Molecular basis of recognition of quadruplexes human telomere and c-myc promoter by the putative anticancer agent sanguinarine

By: Ghosh, Saptarni; Pradhan, Suman Kalyan; Kar, Anirban; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1830 Issue: 8 Pages: 4189-4201

Published: AUG 2013

5,460.Production of Xi(-)-Hypernuclei via the (K (-), K (+)) Reaction in a Quark-Meson Coupling Model

By: Tsushima, K.; Shyam, R.; Thomas, A. W.

FEW-BODY SYSTEMS Volume: 54 Issue: 7-10 Pages: 1271-1274 Published: AUG 2013

5,461. Structural and mechanistic basis of anti-termination of Rho-dependent transcription termination by bacteriophage P4 capsid protein  $\Psi$

By: Ranjan, Amitabh; Sharma, Savita; Banerjee, Ramanuj; et al.

NUCLEIC ACIDS RESEARCH Volume: 41 Issue: 14 Pages: 6839-6856 Published: AUG 2013

5,462. Phase-mixing of electrostatic modes in a cold magnetized electron-positron plasma

By: Maity, Chandan; Chakrabarti, Nikhil; Sengupta, Sudip

PHYSICS OF PLASMAS Volume: 20 Issue: 8 Article Number: 082302 Published: AUG 2013

5,463. Lense-Thirring precession in Plebanski-Demianski Spacetimes

By: Chakraborty, Chandrachur; Pradhan, Partha Pratim

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 8 Article Number: 2536 Published: AUG 2013

5,464. Generic instabilities in a fluid membrane coupled to a thin layer of ordered active polar fluid

By: Sarkar, Niladri; Basu, Abhik

EUROPEAN PHYSICAL JOURNAL E Volume: 36 Issue: 8 Article Number: 86 Published: AUG 2013

5,465. Lifshitz to AdS flow with interpolating p-brane solutions

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 097 Published: AUG 2013

5,466. Power law in swelling of ultra-thin polymer films

By: Mukherjee, M.; Chebil, M. Souheib; Delorme, Nicolas; et al.

POLYMER Volume: 54 Issue: 17 Pages: 4669-4674 Published: AUG 2 2013

5,467. Nonstationary magnetosonic wave dynamics in plasmas exhibiting collapse

By: Chakrabarti, Nikhil; Maity, Chandan; Schamel, Hans

PHYSICAL REVIEW E Volume: 88 Issue: 2 Article Number: 023102 Published: AUG 7 2013

5,468. Investigation of the influence of hydrostatic pressure on the magnetic and magnetocaloric properties of  $\text{Ni}_2\text{-XMn}_{1+\text{X}}\text{Ga}$  ( $\text{X}=0, 0.15$ ) Heusler alloys

By: Devarajan, U.; Muthu, S. Esakki; Arumugam, S.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 5 Article Number: 053906 Published: AUG 7 2013

5,469. Searches for Higgs bosons in pp collisions at  $\sqrt{s}=7$  and 8 TeV in the context of four-generation and fermiophobic models

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 725 Issue: 1-3 Pages: 36-59 Published: AUG 9 2013

5,470. Structure of nearly degenerate dipole bands in Ag-108

By: Sethi, J.; Palit, R.; Saha, S.; et al.



PHYSICS LETTERS B Volume: 725 Issue: 1-3 Pages: 85-91 Published: AUG 9 2013

5,471. Formation of Nanosize Griffiths-like Clusters in Solid Solution of Ferromagnetic Manganite and Cobaltite

By: Bhoi, D.; Khan, N.; Midya, A.; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 117 Issue: 32 Pages: 16658-16664 Published: AUG 15 2013

5,472. Shape evolution in Cs-123 and Ba-124 nuclei

By: Selvakumar, K.; Singh, A. K.; Das, Subhashri; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 2 Article Number: 024313 Published: AUG 16 2013

5,473. Electric dipole polarizability in Pb-208: Insights from the droplet model

By: Roca-Maza, X.; Brenna, M.; Colo, G.; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 2 Article Number: 024316 Published: AUG 20 2013

5,474. Zero sound in strange metals with hyperscaling violation from holography

By: Dey, Parijat; Roy, Shibaji

PHYSICAL REVIEW D Volume: 88 Issue: 4 Article Number: 046010 Published: AUG 22 2013

5,475. Characterization of citrate capped gold nanoparticle-quercetin complex: Experimental and quantum chemical approach

By: Pal, Rajat; Panigrahi, Swati; Bhattacharyya, Dhananjay; et al.

JOURNAL OF MOLECULAR STRUCTURE Volume: 1046 Pages: 153-163 Published: AUG 23 2013

5,476. Production of the H dibaryon via the (K-, K+) reaction on a C-12 target

By: Shyam, R.; Scholten, O.; Thomas, A. W.

PHYSICAL REVIEW C Volume: 88 Issue: 2 Article Number: 025209 Published: AUG 23 2013

5,477. Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 8 Article Number: 081802 Published: AUG 23 2013

5,478. 3d-4f spin interaction induced giant magnetocaloric effect in zircon-type DyCrO<sub>4</sub> and HoCrO<sub>4</sub> compounds

By: Midya, A.; Khan, N.; Bhoi, D.; et al.

APPLIED PHYSICS LETTERS Volume: 103 Issue: 9 Article Number: 092402 Published: AUG 26 2013

5,479. DNA-Mediated Wirelike Clusters of Silver Nanoparticles: An Ultrasensitive SERS Substrate

By: Majumdar, Dipanwita; Singha, Achintya; Mondal, Prasanna Kumar; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 5 Issue: 16 Pages: 7798-7807 Published: AUG 28 2013

5,480.Thickness dependent electronic structure and morphology of rubrene thin films on metal, semiconductor, and dielectric substrates

By: Sinha, Sumona; Mukherjee, M.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 8 Article Number: 083709 Published: AUG 28 2013

5,481.Inner-shell multiple ionization of polyatomic molecules with an intense x-ray free-electron laser studied by coincident ion momentum imaging

By: Erk, B.; Rolles, D.; Foucar, L.; et al.

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 46 Issue: 16 Special Issue: SI Article Number: 164031 Published: AUG 28 2013

5,482.Thick target neutron yield from 145 MeV F-19+Al-27 system

By: Sunil, C.; Bandyopadhyay, T.; Nandy, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 721 Pages: 21-25 Published: SEP 1 2013

5,483.Investigations of Zr-Ni intermetallic compounds by perturbed angular correlations

By: Dey, C. C.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 342 Pages: 87-91 Published: SEP 2013

5,484.Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 8 Article Number: P09009 Published: SEP 2013

5,485.Diameter-dependent coercivity of cobalt nanowires

By: Gayen, Sirshendu; Sanyal, Milan K.; Satpati, Biswarup; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 112 Issue: 3 Pages: 775-780 Published: SEP 2013

5,486.Epstein Barr virus-encoded small non-coding RNAs induce cancer cell chemoresistance and migration

By: Banerjee, Aditi Sengupta; Pal, Anindita Deb; Banerjee, Subrata

VIROLOGY Volume: 443 Issue: 2 Pages: 294-305 Published: SEP 1 2013

5,487.Production and separation of In-111: an important radionuclide in life sciences: a mini review

By: Lahiri, Susanta; Maiti, Moumita; Ghosh, Kaustab

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 297 Issue: 3 Pages: 309-318 Published: SEP 2013

5,488.Nuclear and chemical data for life sciences

By: Maiti, Moumita

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 297 Issue: 3 Pages: 319-329  
Published: SEP 2013

5,489. Facile preparation of polyaniline/MnO<sub>2</sub> nanofibers and its electrochemical application in the simultaneous determination of catechol, hydroquinone, and resorcinol

By: Prathap, M. U. Anu; Satpati, Biswarup; Srivastava, Rajendra

SENSORS AND ACTUATORS B-CHEMICAL Volume: 186 Pages: 67-77 Published: SEP 2013

5,490. Correlated Charge Carrier-like Photoresponse of Polymer Nanowires

By: Rahman, Atikur; Sanyal, Milan K.

ACS NANO Volume: 7 Issue: 9 Pages: 7894-7900 Published: SEP 2013

5,491. Structure and Coulomb dissociation of O-23 within the quark-meson coupling model

By: Chatterjee, R.; Shyam, R.; Tsushima, K.; et al.

NUCLEAR PHYSICS A Volume: 913 Pages: 116-126 Published: SEP 2 2013

5,492. Superdeformation and alpha-cluster structure in Cl-35

By: Bisoi, Abhijit; Sarkar, M. Saha; Sarkar, S.; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 3 Article Number: 034303 Published: SEP 3 2013

5,493. Measurement of neutral strange particle production in the underlying event in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 88 Issue: 5 Article Number: UNSP 052001 Published: SEP 3 2013

5,494. Linear current fluctuations in the power-law region of metallic carbon nanotubes

By: Talukdar, D.; Yotprayoonsak, P.; Herranen, O.; et al.

PHYSICAL REVIEW B Volume: 88 Issue: 12 Article Number: 125407 Published: SEP 4 2013

5,495. Heavy quark damping rate in hot viscous QCD plasma

By: Sarkar, Sreemoyee; Dutt-Mazumder, Abhee K.

PHYSICAL REVIEW D Volume: 88 Issue: 5 Article Number: 054006 Published: SEP 5 2013

5,496. Measurement of the B-s(0)  $\rightarrow \mu^+ \mu^-$  Branching Fraction and Search for B-0  $\rightarrow \mu^+ \mu^-$  with the CMS Experiment

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 10 Article Number: 101804 Published: SEP 5 2013

5,497. D Meson Elliptic Flow in Noncentral Pb-Pb Collisions at  $\sqrt{s}(NN)=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 10 Article Number: 102301 Published: SEP 5 2013

- 5,498. Role of inhomogeneous cation distribution in magnetic enhancement of nanosized Ni<sub>0.35</sub>Zn<sub>0.65</sub>Fe<sub>2</sub>O<sub>4</sub>: A structural, magnetic, and hyperfine study  
By: Dey, S.; Dey, S. K.; Ghosh, B.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 9 Article Number: 093901 Published: SEP 7 2013
- 5,499. Metal nanoparticles as better protein-aggregation prevention agents than chaperones  
By: Das, Puspendu K.; Das, Anindita; Chakrabarti, Abhijit  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 246 Meeting Abstract: 144-COLL Published: SEP 8 2013
- 5,500. Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 049 Published: SEP 10 2013
- 5,501. Selective Excitation of Low Frequency Drift Waves by Density Modulation and Parametric Excitation of Higher Frequency Mode  
By: Biswas, Subir; Basu, Debjyoti; Pal, Rabindranath; et al.  
PHYSICAL REVIEW LETTERS Volume: 111 Issue: 11 Article Number: 115004 Published: SEP 13 2013
- 5,502. Psi AND Upsilon PRODUCTION IN pp COLLISIONS AT 7.0 TeV  
By: Kisslinger, Leonard S.; Das, Debasish  
MODERN PHYSICS LETTERS A Volume: 28 Issue: 28 Article Number: 1350120 Published: SEP 14 2013
- 5,503. Beyond the neutron drip line: The unbound oxygen isotopes O-25 and O-26  
By: Caesar, C.; Simonis, J.; Adachi, T.; et al.  
Group Author(s): R3B Collaboration  
PHYSICAL REVIEW C Volume: 88 Issue: 3 Article Number: 034313 Published: SEP 16 2013
- 5,504. Conformational Barrier of CheY3 and Inability of CheY4 to Bind FlhM Control the Flagellar Motor Action in *Vibrio cholerae*  
By: Biswas, Maitree; Dey, Sanjay; Khamrui, Susmita; et al.  
PLOS ONE Volume: 8 Issue: 9 Article Number: e73923 Published: SEP 16 2013
- 5,505. Equivalence of the train model of earthquake and boundary driven Edwards-Wilkinson interface  
By: Biswas, Soumyajyoti; Ray, Purusattam; Chakrabarti, Bikas K.  
EUROPEAN PHYSICAL JOURNAL B Volume: 86 Issue: 9 Article Number: 388 Published: SEP 18 2013
- 5,506. Search for supersymmetry in hadronic final states with missing transverse energy using the variables  $\alpha(T)$  and b-quark multiplicity in pp collisions at  $\sqrt{s}=8$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 9 Article Number: 2568 Published: SEP 18 2013

5,507.MULTIWAVELENGTH OBSERVATIONS AND MODELING OF 1ES 1959+650 IN A LOW FLUX STATE

By: Aliu, E.; Archambault, S.; Arlen, T.; et al.

ASTROPHYSICAL JOURNAL Volume: 775 Issue: 1 Article Number: 3 Published: SEP 20 2013

5,508.Xi(-) hyperon and hypernuclear production in the (K-, K+) reaction on nucleon and nuclei in a field theoretical model

By: Shyam, R.

NUCLEAR PHYSICS A Volume: 914 Pages: 79-84 Published: SEP 20 2013

5,509.Holographic quark-antiquark potential in hot, anisotropic Yang-Mills plasma

By: Chakraborty, Somdeb; Haque, Najmul

NUCLEAR PHYSICS B Volume: 874 Issue: 3 Pages: 821-851 Published: SEP 21 2013

5,510.Interpretation of searches for supersymmetry with simplified models

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 88 Issue: 5 Article Number: 052017 Published: SEP 23 2013

5,511.Dissociation of quarkonium in an anisotropic hot QCD medium

By: Thakur, Lata; Haque, Najmul; Kakade, Uttam; et al.

PHYSICAL REVIEW D Volume: 88 Issue: 5 Article Number: 054022 Published: SEP 23 2013

5,512.Microstructure, magnetic and electrical transport properties of melt-spun Ni-Mn-Sb ribbons

By: Ray, Mayukh K.; Bagani, K.; Singh, R. K.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 12 Article Number: 123904 Published: SEP 28 2013

5,513.theta(13), mu tau SYMMETRY BREAKING AND NEUTRINO YUKAWA TEXTURES

By: Adhikary, Biswajit; Ghosal, Ambar; Roy, Probir

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 28 Issue: 24 Article Number: UNSP 1350118 Published: SEP 30 2013

5,514.Information content of the weak-charge form factor

By: Reinhard, P. -G.; Piekarewicz, J.; Nazarewicz, W.; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 3 Article Number: 034325 Published: SEP 30 2013

5,515.Lattice bosons in a quasi-disordered environment

By: Ramakumar, R.; Das, A. N.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 392 Issue: 19 Pages: 4271-4278 Published: OCT 1 2013

5,516. Comparative study of the microstructural and magnetic properties of fly ashes obtained from different thermal power plants in West Bengal, India

By: Bhattacharjee, Ashis; Mandal, Haradhan; Roy, Madhusudan; et al.

ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 185 Issue: 10 Pages: 8673-8683

Published: OCT 2013

5,517. Continuous wavelet transform analysis for self-similarity properties of turbulence in magnetized DC glow discharge plasma

By: Sarma, Bornali; Chauhan, Sourabh S.; Wharton, A. M.; et al.

JOURNAL OF PLASMA PHYSICS Volume: 79 Pages: 885-891 Part: 5 Published: OCT 2013

5,518. Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 725 Issue: 4-5 Pages: 243-270 Published: OCT 2013

5,519. A natural scenario for heavy colored and light uncolored superpartners

By: Bhattacharyya, Gautam; Bhattacharjee, Biplob; Yanagida, Tsutomu T.; et al.

PHYSICS LETTERS B Volume: 725 Issue: 4-5 Pages: 339-343 Published: OCT 2013

5,520. Cadmium induced pathophysiology: Prophylactic role of edible jute (*Corchorus olitorius*) leaves with special emphasis on oxidative stress and mitochondrial involvement

By: Dewanjee, Saikat; Gangopadhyay, Moumita; Sahu, Ranabir; et al.

FOOD AND CHEMICAL TOXICOLOGY Volume: 60 Pages: 188-198 Published: OCT 2013

5,521. Increased Cytoplasmic Localization of p27(kip1) and Its Modulation of RhoA Activity during Progression of Chronic Myeloid Leukemia

By: Roy, Anita; Lahiry, Lakshmeshri; Banerjee, Debasis; et al.

PLOS ONE Volume: 8 Issue: 10 Article Number: e76527 Published: OCT 1 2013

5,522. Drought resistance in rice seedlings conferred by seed priming

By: Goswami, Alakananda; Banerjee, Rahul; Raha, Sanghamitra

PROTOPLASMA Volume: 250 Issue: 5 Pages: 1115-1129 Published: OCT 2013

5,523. Performance of the ALICE VZERO system

By: Abbas, E.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF INSTRUMENTATION Volume: 8 Article Number: P10016 Published: OCT 2013

5,524. Conducting polymer based manganese dioxide nanocomposite as supercapacitor

By: Sen, Pintu; De, Amitabha; Chowdhury, Ankan Dutta; et al.

ELECTROCHIMICA ACTA Volume: 108 Pages: 265-273 Published: OCT 1 2013

5,525. Long-range angular correlations of pi, K and p in p-Pb collisions at root s(NN)=5.02 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 726 Issue: 1-3 Pages: 164-177 Published: OCT 2013

5,526.The pole of the fermion propagator in a general class of gauges

By: Das, Ashok K.; Frenkel, J.

PHYSICS LETTERS B Volume: 726 Issue: 1-3 Pages: 493-496 Published: OCT 2013

5,527.Recoil Induced Room Temperature Stable Frenkel Pairs in alpha-Hafnium Upon Thermal Neutron Capture

By: Butz, Tilman; Das, Satyendra K.; Dey, Chandi C.; et al.

ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 68 Issue: 10-11 Pages: 610-620 Published: OCT-NOV 2013

5,528.Formation of single-crystalline CuS at the organic-aqueous interface

By: Maiti, Santanu; Sanyal, Milan K.; Varghese, Neenu; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 39 Article Number: 395401 Published: OCT 2 2013

5,529.Phases and fluctuations in a model for asymmetric inhomogeneous fluid membranes

By: Sarkar, Niladri; Basu, Abhik

PHYSICAL REVIEW E Volume: 88 Issue: 4 Article Number: 042106 Published: OCT 4 2013

5,530.Sensing of hydrophobic cavity of serum albumin by an adenosine analogue: Fluorescence correlation and ensemble spectroscopic studies

By: Nag, Moupriya; Bera, Kallol; Chakraborty, Sandipan; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 127 Pages: 202-211 Published: OCT 5 2013

5,531.Crossover of spin glass characteristics as a function of field in an NiMnSnAl alloy

By: Agarwal, Sandeep; Banerjee, S.; Mukhopadhyay, P. K.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 13 Article Number: 133904 Published: OCT 7 2013

5,532.Self-organized dynamics in local load-sharing fiber bundle models

By: Biswas, Soumyajyoti; Chakrabarti, Bikas K.

PHYSICAL REVIEW E Volume: 88 Issue: 4 Article Number: 042112 Published: OCT 7 2013

5,533.Masses, mixing angles and phases of general Majorana neutrino mass matrix

By: Adhikary, Biswajit; Chakraborty, Mainak; Ghosal, Ambar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 043 Published: OCT 8 2013

5,534.Grb2 Is Regulated by Foxd3 and Has Roles in Preventing Accumulation and Aggregation of Mutant Huntingtin

By: Baksi, Shounak; Jana, Nihar R.; Bhattacharyya, Nitai Pada; et al.

PLOS ONE Volume: 8 Issue: 10 Article Number: e76792 Published: OCT 8 2013

5,535. Gauge independence of the fermion pole mass

By: Das, Ashok K.; Francisco, R. R.; Frenkel, J.

PHYSICAL REVIEW D Volume: 88 Issue: 8 Article Number: 085012 Published: OCT 9 2013

5,536. Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 062 Published: OCT 10 2013

5,537. Local electron beam excitation and substrate effect on the plasmonic response of single gold nanostars

By: Das, Pabitra; Kedia, Abhitosh; Kumar, Pandian Senthil; et al.

NANOTECHNOLOGY Volume: 24 Issue: 40 Article Number: 405704 Published: OCT 11 2013

5,538. Wake potential in collisional anisotropic quark-gluon plasma

By: Mandal, Mahatsab; Roy, Pradip

PHYSICAL REVIEW D Volume: 88 Issue: 7 Article Number: 074013 Published: OCT 11 2013

5,539. Scalar sector properties of two-Higgs-doublet models with a global U(1) symmetry

By: Bhattacharyya, Gautam; Das, Dipankar; Pal, Palash B.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 081 Published: OCT 14 2013

5,540. Investigation of ion beam induced nanopattern formation near the threshold energy

By: Metya, Amaresh; Ghose, Debabrata

APPLIED PHYSICS LETTERS Volume: 103 Issue: 16 Article Number: 161602 Published: OCT 14 2013

5,541. Electric quadrupole and magnetic dipole interactions at Ta-181 impurity in Zr<sub>2</sub>Ni<sub>7</sub> intermetallic compound: Experiment and first-principles calculations

By: Dey, C. C.; Srivastava, S. K.

PHYSICA B-CONDENSED MATTER Volume: 427 Pages: 126-132 Published: OCT 15 2013

5,542. Centrality dependence of pi, K, and p production in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 88 Issue: 4 Article Number: 044910 Published: OCT 15 2013

5,543. Centrality determination of Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV with ALICE

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 88 Issue: 4 Article Number: 044909 Published: OCT 15 2013

5,544. J/psi Elliptic Flow in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV



By: Abbas, E.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 16 Article Number: 162301 Published: OCT 17 2013

5,545.Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at  $\sqrt{s}=7$  TeV and first determination of the strong coupling constant in the TeV range

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 10 Article Number: 2604 Published: OCT 19 2013

5,546.DISCOVERY OF A NEW TeV GAMMA-RAY SOURCE: VER J0521+211

By: Archambault, S.; Arlen, T.; Aune, T.; et al.

Group Author(s): VERITAS Collaboration

ASTROPHYSICAL JOURNAL Volume: 776 Issue: 2 Article Number: 69 Published: OCT 20 2013

5,547.Measurement of the W-boson helicity in top-quark decays from  $t(\bar{t})$  production in lepton plus jets events in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 167 Published: OCT 24 2013

5,548.Measurement of the production cross section for  $Z \gamma \rightarrow \nu(\bar{\nu}) \gamma$  in pp collisions at  $\sqrt{s}=7$  TeV and limits on ZZ  $\gamma$  and Z  $\gamma \gamma$  triple gauge boson couplings

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 164 Published: OCT 24 2013

5,549.Measurement of the  $W+W^-$  cross section in pp collisions at and limits on anomalous WW  $\gamma$  and WWZ couplings

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 10 Article Number: 2610 Published: OCT 26 2013

5,550.Spin-orbit interaction induced spin selective transmission through a multi-terminal mesoscopic ring

By: Dey, Moumita; Maiti, Santanu K.; Sil, Sreekantha; et al.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 16 Article Number: 164318 Published: OCT 28 2013

5,551.Core level photoemission studies on conducting polypyrrole polymer nanotubes showing switching transitions

By: Sarkar, I.; Sarma, A.; Sanyal, M. K.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 16 Article Number: 163707 Published: OCT 28 2013

5,552.Synthesis and spectroscopic exploration of carboxylic acid derivatives of 6-hydroxy-1-keto-1,2,3,4-tetrahydrocarbazole: Hydrogen bond sensitive fluorescent probes

By: Mitra, Amrit Krishna; Ghosh, Sujay; Chakraborty, Suchandra; et al.

JOURNAL OF LUMINESCENCE Volume: 143 Pages: 693-703 Published: NOV 2013

5,553.Studies on resistive switching characteristics of aluminum/graphene oxide/semiconductor nonvolatile memory cells

By: Jilani, S. Mahaboob; Gamot, Tanesh D.; Banerji, P.; et al.

CARBON Volume: 64 Pages: 187-196 Published: NOV 2013

5,554.Simultaneous and sensitive determination of ascorbic acid, dopamine, uric acid, and tryptophan with silver nanoparticles-decorated reduced graphene oxide modified electrode

By: Kaur, Balwinder; Pandiyan, Thangarasu; Satpati, Biswarup; et al.

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 111 Pages: 97-106 Published: NOV 1 2013

5,555.Tuning the Solution Phase Photophysics of Two De Novo Designed Hydrogen Bond Sensitive 9-methyl-2,3,4,9-tetrahydro-1H-carbazol-1-one Derivatives

By: Ghosh, Sujay; Mitra, Amrit Krishna; Saha, Chandan; et al.

JOURNAL OF FLUORESCENCE Volume: 23 Issue: 6 Pages: 1179-1195 Published: NOV 2013

5,556.Separation of no-carrier-added Cd-109 from natural silver target using RTIL 1-butyl-3-methylimidazolium hexafluorophosphate

By: Ghosh, Kaustab; Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 298 Issue: 2 Pages: 1049-1054 Published: NOV 2013

5,557.Comparison of Three Scattering Models for Ultrasound Blood Characterization

By: Franceschini, Emilie; Saha, Ratan K.; Cloutier, Guy

IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL Volume: 60 Issue: 11 Pages: 2321-2334 Published: NOV 2013

5,558.A mathematical approach to beam matching

By: Sarkar, B.; Manikandan, A.; Nandy, M.; et al.

BRITISH JOURNAL OF RADIOLOGY Volume: 86 Issue: 1031 Article Number: 20130238 Published: NOV 2013

5,559.Response of the two-dimensional kinetic Ising model under a stochastic field

By: Ghosh, Asim; Chakrabarti, Bikas K.

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P11015 Published: NOV 2013

5,560.RNA structure and dynamics: A base pairing perspective

By: Halder, Sukanya; Bhattacharyya, Dhananjay

PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY Volume: 113 Issue: 2 Pages: 264-283

Published: NOV 2013

5,561.Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 727 Issue: 1-3 Pages: 57-76 Published: NOV 2013

5,562.Angular analysis and branching fraction measurement of the decay B-0 -> K\*(0)mu(+)mu(-)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 727 Issue: 1-3 Pages: 77-100 Published: NOV 2013

5,563.Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

PHYSICS LETTERS B Volume: 727 Issue: 1-3 Pages: 101-125 Published: NOV 2013

5,564.The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 8 Article Number: P11002 Published: NOV 2013

5,565.2D DIGE based proteomics study of erythrocyte cytosol in sickle cell disease: Altered proteostasis and oxidative stress

By: Basu, Avik; Saha, Sutapa; Karmakar, Shilpita; et al.

PROTEOMICS Volume: 13 Issue: 21 Pages: 3233-3242 Published: NOV 2013

5,566.Separation of No-Carrier-Added Rhenium from Bulk Tantalum By Precipitation Technique

By: Dutta, Binita; Lahiri, Susanta; Tomar, B. S.

SEPARATION SCIENCE AND TECHNOLOGY Volume: 48 Issue: 16 Special Issue: SI Pages: 2468-2472

Published: NOV 2 2013

5,567.Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 726 Issue: 4-5 Pages: 587-609 Published: NOV 4 2013

5,568.Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 726 Issue: 4-5 Pages: 564-586 Published: NOV 4 2013

5,569. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abbas, E.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 726 Issue: 4-5 Pages: 610-622 Published: NOV 4 2013

5,570. A framework for Higgs characterisation

By: Artoisenet, P.; de Aquino, P.; Demartin, F.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 043 Published: NOV 6 2013

5,571. Combinatorial Recruitment of CREB, C/EBP beta and c-Jun Determines Activation of Promoters upon Keratinocyte Differentiation

By: Rozenberg, Julian M.; Bhattacharya, Paramita; Chatterjee, Raghunath; et al.

PLOS ONE Volume: 8 Issue: 11 Article Number: e78179 Published: NOV 7 2013

5,572. Charmonium and  $e^{+}e^{-}$  pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abbas, E.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 11 Article Number: 2617 Published: NOV 9 2013

5,573. Giant enhancement of magnetoresistance in core-shell ferromagnetic-charge ordered nanostructures

By: Das, Kalipada; Rawat, R.; Satpati, B.; et al.

APPLIED PHYSICS LETTERS Volume: 103 Issue: 20 Article Number: 202406 Published: NOV 11 2013

5,574. Designing Novel pH-Induced Chitosan-Gum Odina Complex Coacervates for Colon Targeting

By: Roy, Partha Sarathi; Samanta, Amalesh; Mukherjee, Manabendra; et al.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 52 Issue: 45 Pages: 15728-15745 Published: NOV 13 2013

5,575. From AdS to Schrodinger/Lifshitz dual space-times without or with hyperscaling violation

By: Dey, Parijat; Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 113 Published: NOV 13 2013

5,576. Differential Thermal Stability and Oxidative Vulnerability of the Hemoglobin Variants, HbA(2) and HbE

By: Chakrabarti, Abhijit; Bhattacharya, Dipankar; Deb, Sanghamitra; et al.

PLOS ONE Volume: 8 Issue: 11 Article Number: UNSP e81820 Published: NOV 14 2013

5,577.Effect of antbsite formation on magnetic properties of nickel zinc ferrite particles

By: Ghosh, B.; Sardar, M.; Banerjee, S.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 18 Article Number: 183903 Published: NOV 14 2013

5,578.SEM analysis of ion implanted SiC

By: Malherbe, Johan B.; van der Berg, N. G.; Botha, A. J.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 315 Pages: 136-141 Published: NOV 15 2013

5,579.Facile preparation of Ni(OH)(2)-MnO<sub>2</sub> hybrid material and its application in the electrocatalytic oxidation of hydrazine

By: Prathap, M. U. Anu; Anuraj, V.; Satpati, Biswarup; et al.

JOURNAL OF HAZARDOUS MATERIALS Volume: 262 Pages: 766-774 Published: NOV 15 2013

5,580.Acoustic horizons in steady spherically symmetric nuclear fluid flows

By: Sarkar, Niladri; Basu, Abhik; Bhattacharjee, Jayanta K.; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 5 Article Number: 055205 Published: NOV 18 2013

5,581.Structural, optical and photocatalytic properties of flower-like ZnO nanostructures prepared by a facile wet chemical method

By: Kuriakose, Sini; Bhardwaj, Neha; Singh, Jaspal; et al.

BEILSTEIN JOURNAL OF NANOTECHNOLOGY Volume: 4 Pages: 763-770 Published: NOV 18 2013

5,582.Study of low frequency acoustic signals from superheated droplet detector

By: Mondal, Prasanna Kumar; Seth, Susnata; Das, Mala; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 729 Pages: 182-187 Published: NOV 21 2013

5,583.Large magnetocapacitance in electronic ferroelectric manganite systems

By: Chowdhury, Ujjal; Goswami, Sudipta; Bhattacharya, Dipten; et al.

JOURNAL OF APPLIED PHYSICS Volume: 114 Issue: 19 Article Number: 194104 Published: NOV 21 2013

5,584.Gas Phase Hydrolysis of Formaldehyde To Form Methanediol: Impact of Formic Acid Catalysis

By: Hazra, Montu K.; Francisco, Joseph S.; Sinha, Amitabha

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 117 Issue: 46 Pages: 11704-11710 Published: NOV 21 2013

5,585.Searches for new physics using the  $t(\bar{t})$  invariant mass distribution in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 21 Article Number: 211804 Published: NOV 22 2013

5,586. Alloying of Fe<sub>3</sub>O<sub>4</sub> and Co<sub>3</sub>O<sub>4</sub> to develop Co<sub>3</sub>xFe<sub>3</sub>(1-x)O<sub>4</sub> ferrite with high magnetic squareness, tunable ferromagnetic parameters, and exchange bias

By: Bhowmik, R. N.; Vasanthi, V.; Poddar, Asok

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 578 Pages: 585-594 Published: NOV 25 2013

5,587. K-S(0) and Lambda Production in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 22 Article Number: 222301 Published: NOV 25 2013

5,588. Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 22 Article Number: 221801 Published: NOV 25 2013

5,589. Comparative study on nonlinear dynamics of magnetized and un-magnetized dc glow discharge plasma

By: Sarma, Bornali; Chauhan, Sourabh S.; Wharton, A. M.; et al.

PHYSICA SCRIPTA Volume: 88 Issue: 6 Article Number: 065005 Published: DEC 2013

5,590. Highly Efficient Nanocrystalline Zirconosilicate Catalysts for the Aminolysis, Alcoholysis, and Hydroamination Reactions

By: Kore, Rajkumar; Srivastava, Rajendra; Satpati, Biswarup

ACS CATALYSIS Volume: 3 Issue: 12 Pages: 2891-2904 Published: DEC 2013

5,591. Variations in Magnetic Properties of Nanostructured Nickel

By: Choudhury, Paramita Kar; Banerjee, S.; Ramaprabhu, S.; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 13 Issue: 12 Pages: 8162-8166 Published: DEC 2013

5,592. Thermally driven classical Heisenberg model in 1D with a local time varying field

By: Bagchi, Debarshee

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P12005 Published: DEC 2013

5,593. Nonlinear electron acoustic waves in presence of shear magnetic field

By: Dutta, Manjistha; Ghosh, Samiran; Khan, Manoranjan; et al.

PHYSICS OF PLASMAS Volume: 20 Issue: 12 Article Number: 122112 Published: DEC 2013

5,594. Nonlinear electron oscillations in a warm plasma

By: Sarkar, Anwesa; Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 20 Issue: 12 Article Number: 122303 Published: DEC 2013

5,595. Two component dark matter: a possible explanation of 130 GeV gamma-ray line from the galactic centre

By: Biswas, Anirban; Majumdar, Debasish; Sil, Arunansu; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 12 Article Number: 049 Published: DEC 2013

5,596. An exact solution in a gravitating fluid with a density-dependent viscosity

By: Chakrabarti, Nikhil; Schamel, Hans

JOURNAL OF PLASMA PHYSICS Volume: 79 Pages: 1075-1079 Part: 6 Published: DEC 2013

5,597. Band structures and intruder  $\pi$  ( $13/2$ ) state in Tl-197

By: Pai, H.; Mukherjee, G.; Bhattacharya, S.; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 6 Article Number: 064302 Published: DEC 2 2013

5,598. Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 030 Published: DEC 4 2013

5,599. Importance of the  $1n$ -stripping process in the  $\text{Li-6} + \text{Tl-159}$  reaction

By: Pradhan, M. K.; Mukherjee, A.; Roy, Subinit; et al.

PHYSICAL REVIEW C Volume: 88 Issue: 6 Article Number: 064603 Published: DEC 5 2013

5,600. Femtosecond photoelectron diffraction on laser-aligned molecules: Towards time-resolved imaging of molecular structure

By: Boll, R.; Anielski, D.; Bostedt, C.; et al.

PHYSICAL REVIEW A Volume: 88 Issue: 6 Article Number: 061402 Published: DEC 6 2013

5,601. Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 039 Published: DEC 6 2013

5,602. Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at  $\sqrt{s(\text{NN})}=2.76$  TeV

By: Abelev, B.; Abelev, B.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 23 Article Number: 232302 Published: DEC 6 2013

5,603. Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collab

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 12 Article Number: 2662 Published: DEC 6 2013

5,604. Temperature-dependent structural property and power factor of n type thermoelectric Bi<sub>0.90</sub>Sb<sub>0.10</sub> and Bi<sub>0.86</sub>Sb<sub>0.14</sub> alloys

By: Malik, K.; Das, Diptasikha; Bandyopadhyay, S.; et al.

APPLIED PHYSICS LETTERS Volume: 103 Issue: 24 Article Number: 242108 Published: DEC 9 2013

5,605. Study of the Be-14 Continuum: Identification and Structure of its Second 2(+) State

By: Aksyutina, Yu.; Aumann, T.; Boretzky, K.; et al.

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 24 Article Number: 242501 Published: DEC 9 2013

5,606. MULTIWAVELENGTH OBSERVATIONS OF THE TeV BINARY LS I+61 degrees 303 WITH VERITAS, Fermi-LAT, AND Swift/XRT DURING A TeV OUTBURST

By: Aliu, E.; Archambault, S.; Behera, B.; et al.

ASTROPHYSICAL JOURNAL Volume: 779 Issue: 1 Article Number: UNSP 88 Published: DEC 10 2013

5,607. Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus Ni-68

By: Rossi, D. M.; Adrich, P.; Aksouh, F.; et al.

PHYSICAL REVIEW LETTERS Volume: 111 Issue: 24 Article Number: 242503 Published: DEC 10 2013

5,608. Thermal rectification and negative differential thermal resistance in a driven two segment classical Heisenberg chain

By: Bagchi, Debarshee

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 25 Issue: 49 Article Number: 496006 Published: DEC 11 2013

5,609. Gadolinium substitution induced defect restructuring in multiferroic BiFeO<sub>3</sub>: case study by positron annihilation spectroscopy

By: Mukherjee, A.; Banerjee, M.; Basu, S.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 46 Issue: 49 Article Number: 495309 Published: DEC 11 2013

5,610. Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 12 Article Number: 2674 Published: DEC 11 2013



5,611. Dependence of asymptotic decay exponents on initial condition and the resulting scaling violation

By: Bondyopadhyay, Sourish

PHYSICAL REVIEW E Volume: 88 Issue: 6 Article Number: 062125 Published: DEC 12 2013

5,612. WESS-ZUMINO-WITTEN MODEL FOR GALILEAN CONFORMAL ALGEBRA

By: Chakraborty, Somdeb; Dey, Parijat

MODERN PHYSICS LETTERS A Volume: 28 Issue: 38 Article Number: 1350176 Published: DEC 14 2013

5,613. Low energy spin dynamics in trimer spin chain compound  $\text{Ca}_3\text{Cu}_2\text{Ni}(\text{PO}_4)_4$ : P-31 NMR study

By: Ghosh, M.; Ghoshray, K.; Majumder, M.; et al.

PHYSICA B-CONDENSED MATTER Volume: 431 Pages: 19-22 Published: DEC 15 2013

5,614. Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 727 Issue: 4-5 Pages: 371-380 Published: DEC 18 2013

5,615. Measurement of the prompt  $J/\psi$  and  $\psi(2S)$  polarizations in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 727 Issue: 4-5 Pages: 381-402 Published: DEC 18 2013

5,616. LONG TERM OBSERVATIONS OF B2 1215+30 WITH VERITAS

By: Aliu, E.; Archambault, S.; Arlen, T.; et al.

Group Author(s): VERITAS Collaboration

ASTROPHYSICAL JOURNAL Volume: 779 Issue: 2 Article Number: 92 Published: DEC 20 2013

5,617. VERITAS OBSERVATIONS OF THE MICROQUASAR CYGNUS X-3

By: Archambault, S.; Beilicke, M.; Benbow, W.; et al.

Group Author(s): VERITAS Collaboration; Smithsonian Astrophys Observ

ASTROPHYSICAL JOURNAL Volume: 779 Issue: 2 Article Number: UNSP 150 Published: DEC 20 2013

5,618. Search for top-squark pair production in the single-lepton final state in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 73 Issue: 12 Article Number: UNSP 2677 Published: DEC 21 2013

5,619. Comparison of bulk Micromegas with different amplification gaps

By: Bhattacharya, Purba; Bhattacharya, Sudeb; Majumdar, Nayana; et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 732 Pages: 208-212  
Published: DEC 21 2013

5,620. Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 88 Issue: 11 Article Number: 112009 Published: DEC 23 2013

5,621. Viscoelastic Behavior of Human Lamin A Proteins in the Context of Dilated Cardiomyopathy

By: Banerjee, Avinanda; Rathee, Vikram; Krishnaswamy, Rema; et al.  
PLOS ONE Volume: 8 Issue: 12 Article Number: e83410 Published: DEC 30 2013

5,622. Simultaneous detection of guanine, adenine, thymine, and cytosine at polyaniline/MnO<sub>2</sub> modified electrode

By: Prathap, M. U. Anu; Srivastava, Rajendra; Satpati, Biswarup  
ELECTROCHIMICA ACTA Volume: 114 Pages: 285-295 Published: DEC 30 2013

5,623. Formation of Au-Ge nanodots by Au- ion sputtering of Ge

By: Mollick, Safiul Alam; Ghose, Debabrata; Satpati, Biswarup  
VACUUM Volume: 99 Pages: 289-293 Published: JAN 2014

5,624. Energy Hyperspace for Stacking Interaction in AU/AU Dinucleotide Step: Dispersion-Corrected Density Functional Theory Study

By: Mukherjee, Sanchita; Kailasam, Senthilkumar; Bansal, Manju; et al.  
BIOPOLYMERS Volume: 101 Issue: 1 Pages: 107-120 Published: JAN 2014

5,625. Quasi-2D J(1)-J(2) antiferromagnet Zn<sub>2</sub>VO(PO<sub>4</sub>)<sub>2</sub> and its Ti-substituted derivative: A spin-wave analysis

By: Kar, Satyaki; Saha-Dasgupta, Tanusri  
PHYSICA B-CONDENSED MATTER Volume: 432 Pages: 71-76 Published: JAN 1 2014

5,626. Highly sensitive electrochemical biosensor for glucose, DNA and protein using gold-polyaniline nanocomposites as a common matrix

By: Chowdhury, Ankan Dutta; Gangopadhyay, Rupali; De, Amitabha  
SENSORS AND ACTUATORS B-CHEMICAL Volume: 190 Pages: 348-356 Published: JAN 2014

5,627. Visual and near IR (NIR) fluorescence detection of Cr<sup>3+</sup> in aqueous media via spirobenzopyran ring opening with application in logic gate and bio-imaging

By: Goswami, Shyamaprosad; Das, Avijit Kumar; Maity, Anup Kumar; et al.  
DALTON TRANSACTIONS Volume: 43 Issue: 1 Pages: 231-239 Published: 2014

5,628.Molecular cross talk between Notch1, Shh and Akt pathways during erythroid differentiation of K562 and HEL cell lines

By: Roy, Anita; Haldar, Srijan; Basak, Nandini Pal; et al.

EXPERIMENTAL CELL RESEARCH Volume: 320 Issue: 1 Pages: 69-78 Published: JAN 1 2014

5,629.Quantum dynamics of a dissipative and confined cyclotron motion

By: Kumar, Jishad

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 393 Pages: 182-206

Published: JAN 1 2014

5,630.Differential Expression of Neuroblastoma Cellular Proteome due to AICD Overexpression

By: Chakrabarti, Arunabha; Roy, Kasturi; Mukhopadhyay, Debashis

JOURNAL OF ALZHEIMERS DISEASE Volume: 38 Issue: 4 Pages: 845-855 Published: 2014

5,631.Growth Factor Receptor-Bound Protein 2 Promotes Autophagic Removal of Amyloid-beta Protein Precursor Intracellular Domain Overload in Neuronal Cells

By: Roy, Kasturi; Raychaudhuri, Mithu; Chakrabarti, Oishee; et al.

JOURNAL OF ALZHEIMERS DISEASE Volume: 38 Issue: 4 Pages: 881-895 Published: 2014

5,632.Fabrication, nanostructure evaluation, 3D electrical transport and electrochemical capacitance of PEDOT-Ti(IV)-doped iron(III) oxide nanocomposite

By: Nandi, Debabrata; Ghosh, Arup K.; De, Amitabha; et al.

JOURNAL OF MATERIALS SCIENCE Volume: 49 Issue: 2 Pages: 776-785 Published: JAN 2014

5,633.Production of ordered and pure Si nanodots at grazing ion beam sputtering under concurrent substrate rotation

By: Chowdhury, Debasree; Ghose, Debabrata; Satpati, Biswarup

MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS

Volume: 179 Pages: 1-5 Published: JAN 2014

5,634.Generalizing thawing dark energy models: the standard vis-a-vis model independent diagnostics

By: Adak, Debabrata; Majumdar, Debasish; Pal, Supratik

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 437 Issue: 1 Pages: 831-842

Published: JAN 2014

5,635.Photophysical effects of nitric oxide and S-nitrosocysteine on acridine orange: use as sequential sensing platform for NO, cysteine, cysteine-NO and Hg<sup>2+</sup> under physiological conditions

By: Bera, Kallol; Maity, Barun Kumar; Nag, Moupriya; et al.

ANALYTICAL METHODS Volume: 6 Issue: 2 Pages: 347-350 Published: 2014

5,636.A positron annihilation spectroscopic investigation of europium-doped cerium oxide nanoparticles

By: Thorat, Atul V.; Ghoshal, Tandra; Holmes, Justin D.; et al.

NANOSCALE Volume: 6 Issue: 1 Pages: 608-615 Published: 2014

5,637.Effects of process parameters on the defects in graphene oxide-polyaniline composites investigated by positron annihilation spectroscopy

By: Rana, Utpal; Nambissan, P. M. G.; Malik, Sudip; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 16 Issue: 7 Pages: 3292-3298 Published: 2014

5,638.A FRET-based rhodamine-benzimidazole conjugate as a Cu<sup>2+</sup>-selective colorimetric and ratiometric fluorescence probe that functions as a cytoplasm marker

By: Goswami, Shyamaprosad; Maity, Sibaprasad; Maity, Annada C.; et al.

RSC ADVANCES Volume: 4 Issue: 12 Pages: 6300-6305 Published: 2014

5,639.Photophysical properties of 1,8-naphthalic anhydride in aprotic solvents: An electron acceptor in excited state

By: Ghosh, Sujay; Biswas, Subhanip; Mondal, Mousumi; et al.

JOURNAL OF LUMINESCENCE Volume: 145 Pages: 410-419 Published: JAN 2014

5,640.Studies on the upgrade of the muon system in the forward region of the CMS experiment at LHC with GEMs

By: Abbaneo, D.; Abbrescia, M.; Akl, M. Abi; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: C01053 Published: JAN 2014

5,641.Facile synthesis and the photo-catalytic behavior of core-shell nanorods

By: Nanda, Kamala Kanta; Swain, Smrutirekha; Satpati, Biswarup; et al.

RSC ADVANCES Volume: 4 Issue: 21 Pages: 10928-10934 Published: 2014

5,642.Distribution of microRNA co-targets exhibit universality across a wide class of species

By: Basu, Mahashweta; Bhattacharyya, Nitai P.; Mohanty, P. K.

EPL Volume: 105 Issue: 2 Article Number: 28007 Published: JAN 2014

5,643.Characterization of bimetallic core-shell nanorings synthesized via ascorbic acid-controlled galvanic displacement followed by epitaxial growth

By: Ghosh, Tanmay; Satpati, Biswarup; Senapati, Dulal

JOURNAL OF MATERIALS CHEMISTRY C Volume: 2 Issue: 13 Pages: 2439-2447 Published: 2014

5,644.Kinetic model of Janaki et al.'s bifurcated current sheet

By: Yoon, P. H.; Janaki, M. S.; Dasgupta, B.

JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS Volume: 119 Issue: 1 Pages: 260-267

Published: JAN 2014

5,645.Induced chirality in single walled carbon nanotube based self-assembly

By: Bhattacharyya, Tamoghna; Roy, Sarita; Ray, Pulak; et al.

JOURNAL OF MATERIALS CHEMISTRY A Volume: 2 Issue: 16 Pages: 5759-5765 Published: 2014

5,646.Synergistically controlled nano-templated growth of tunable gold bud-to-blossom nanostructures: a pragmatic growth mechanism

By: Bardhan, Munmun; Satpati, Biswarup; Ghosh, Tanmay; et al.

JOURNAL OF MATERIALS CHEMISTRY C Volume: 2 Issue: 19 Pages: 3795-3804 Published: 2014

5,647. Asymmetric water diffusion driven nanotube actuator

By: Rahman, Atikur; Sarma, Abhisakh; Gayen, Sirshendu; et al.

RSC ADVANCES Volume: 4 Issue: 34 Pages: 17573-17578 Published: 2014

5,648. Detector system dose verification comparisons for arc therapy: couch vs. gantry mount

By: Manikandan, Arjunan; Sarkar, Biplab; Nandy, Maitreyee; et al.

JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS Volume: 15 Issue: 3 Pages: 41-53 Published: 2014

5,649. Enhanced photocatalytic activity of Co doped ZnO nanodisks and nanorods prepared by a facile wet chemical method

By: Kuriakose, Sini; Satpati, Biswarup; Mohapatra, Satyabrata

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 16 Issue: 25 Pages: 12741-12749 Published: 2014

5,650. Polymer based nanoformulation of methylglyoxal as an antimicrobial agent: efficacy against resistant bacteria

By: Ghosh, Srabanti; Chakraborty, Prabal; Saha, Partha; et al.

RSC ADVANCES Volume: 4 Issue: 44 Pages: 23251-23261 Published: 2014

5,651. A multicolor fluorescent peptide-nanoparticle scaffold: real time uptake and distribution in neuronal cells

By: Bera, Kallol; Baksi, Shounak; Nag, Moupriya; et al.

NEW JOURNAL OF CHEMISTRY Volume: 38 Issue: 7 Pages: 2739-2743 Published: 2014

5,652. Effect of Sol-Gel-Derived Nano-silica on the Properties of Natural Rubber-Poly Butadiene Rubber-Reclaim Rubber Ternary Blends/Silica Nanocomposites

By: De, Debapriya; Panda, Prabir Kr.; Bhunia, Satyaban; et al.

POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING Volume: 53 Issue: 11 Pages: 1131-1141 Published: 2014

5,653. Ni-II-Schiff base complex as an enzyme inhibitor of hen egg white lysozyme: a crystallographic and spectroscopic study

By: Seth, Banabithi Koley; Ray, Aurkie; Biswas, Sampa; et al.

METALLOMICS Volume: 6 Issue: 9 Pages: 1737-1747 Published: 2014

5,654. FRET based 'red-switch' for Al<sup>3+</sup> over ESIPT based 'green-switch' for Zn<sup>2+</sup>: dual channel detection with live-cell imaging on a dyad platform

By: Goswami, Shyamaprosad; Manna, Abhishek; Paul, Sima; et al.

RSC ADVANCES Volume: 4 Issue: 65 Pages: 34572-34576 Published: 2014

5,655. Enhanced rosmarinic acid biosynthesis in *Solenostemon scutellarioides* culture: a precursor-feeding strategy

By: Dewanjee, Saikat; Gangopadhyay, Moumita; Das, Urmil; et al.  
NATURAL PRODUCT RESEARCH Volume: 28 Issue: 20 Pages: 1691-1698 Published: 2014

5,656. Micrometer long oriented one-dimensional wires and two-dimensional sheets from a bis-urea functionalized dialkoxynaphthalene organogelator

By: Maji, Subrata; Das, Anindita; Sarkar, Piyush Kanti; et al.  
RSC ADVANCES Volume: 4 Issue: 84 Pages: 44650-44653 Published: 2014

5,657. Effects of Noncommutativity on the Black Hole Entropy

By: Gupta, Kumar S.; Harikumar, E.; Juric, Tajron; et al.  
ADVANCES IN HIGH ENERGY PHYSICS Article Number: 139172 Published: 2014

5,658. Continued foliar herbivory by the red spider mite *Tetranychus macfarlanei* on *Plumbago zeylanica* severely reduces the levels of a medicinally important metabolite in the roots

By: Gangopadhyay, M.; Dewanjee, S.; Chakraborty, K.; et al.  
JOURNAL OF PLANT INTERACTIONS Volume: 9 Issue: 1 Pages: 529-538 Published: 2014

5,659. Imaging molecular structure through femtosecond photoelectron diffraction on aligned and oriented gas-phase molecules

By: Boll, Rebecca; Rouzee, Arnaud; Adolph, Marcus; et al.  
FARADAY DISCUSSIONS Volume: 171 Pages: 57-80 Published: 2014

5,660. Preferential growth of Au on CdSe quantum dots using Langmuir-Blodgett technique

By: Das, Subhasis; Satpati, Biswarup; Chauhan, Himani; et al.  
RSC ADVANCES Volume: 4 Issue: 110 Pages: 64535-64541 Published: 2014

5,661. The DNA intercalators ethidium bromide and propidium iodide also bind to core histones

By: Banerjee, Amrita; Majumder, Parijat; Sanyal, Sulagna; et al.  
FEBS OPEN BIO Volume: 4 Pages: 251-259 Published: 2014

5,662. Anticancer drug mithramycin interacts with core histones: An additional mode of action of the DNA groove binder

By: Banerjee, Amrita; Sanyal, Sulagna; Kulkarni, Kirti K.; et al.  
FEBS OPEN BIO Volume: 4 Pages: 987-995 Published: 2014

5,663. Effect of beta-cyclodextrin on the molecular properties of myricetin upon nano-encapsulation: Insight from optical spectroscopy and quantum chemical studies

By: Chakraborty, Sandipan; Basu, Soumalee; Basak, Soumen  
CARBOHYDRATE POLYMERS Volume: 99 Pages: 116-125 Published: JAN 2 2014

5,664. Field induced ferromagnetic phase transition and large magnetocaloric effect in Sm<sub>0.55</sub>Sr<sub>0.45</sub>MnO<sub>3</sub> phase separated manganites

By: Giri, S. K.; Dasgupta, Papri; Poddar, A.; et al.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 582 Pages: 609-616 Published: JAN 5 2014

5,665. A turn on ESIPT probe for rapid and ratiometric fluorogenic detection of homocysteine and cysteine in water with live cell-imaging

By: Goswami, Shyamaprosad; Manna, Abhishek; Paul, Sima; et al.

TETRAHEDRON LETTERS Volume: 55 Issue: 2 Pages: 490-494 Published: JAN 8 2014

5,666. A Novel 8-nm Protein Cage Formed by *Vibrio cholerae* Acylphosphatase

By: Nath, Seema; Banerjee, Ramanuj; Sen, Udayaditya

JOURNAL OF MOLECULAR BIOLOGY Volume: 426 Issue: 1 Pages: 36-38 Published: JAN 9 2014

5,667. Study of density-dependent swelling of ultrathin water soluble polymer films

By: Mondal, Mojammel H.; Mukherjee, M.

JOURNAL OF POLYMER RESEARCH Volume: 21 Issue: 2 Article Number: 343 Published: JAN 10 2014

5,668. LONG-TERM TeV AND X-RAY OBSERVATIONS OF THE GAMMA- RAY BINARY HESS J0632+057

By: Aliu, E.; Archambault, S.; Aune, T.; et al.

Group Author(s): VERITAS Collaboration; HESS Collaboration

ASTROPHYSICAL JOURNAL Volume: 780 Issue: 2 Article Number: 168 Published: JAN 10 2014

5,669. Anomalous behaviour of magnetic coercivity in graphene oxide and reduced graphene oxide

By: Bagani, K.; Bhattacharya, A.; Kaur, J.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 2 Article Number: 023902 Published: JAN 14 2014

5,670. Isospin dependence of entrainment in superfluid neutron stars in a relativistic model

By: Kheto, Apurba; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 89 Issue: 2 Article Number: 023007 Published: JAN 14 2014

5,671. Structure-function hierarchies and von Karman-Howarth relations for turbulence in magnetohydrodynamical equations

By: Basu, Abhik; Najj, Ali; Pandit, Rahul

PHYSICAL REVIEW E Volume: 89 Issue: 1 Article Number: 012117 Published: JAN 14 2014

5,672. Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 096 Published: JAN 17 2014

5,673. Multiplicity dependence of pion, kaon, proton and lambda production in p-Pb collisions at root s(NN)=5.02 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 728 Pages: 25-38 Published: JAN 20 2014

5,674. On transverse spin sum rules

By: Harindranath, A.; Kundu, Rajen; Mukherjee, Asmita

PHYSICS LETTERS B Volume: 728 Pages: 63-67 Published: JAN 20 2014

5,675. Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 728 Pages: 216-227 Published: JAN 20 2014

5,676. Determination of the top-quark pole mass and strong coupling constant from the  $t(\bar{t})$  production cross section in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 728 Pages: 496-517 Published: JAN 20 2014

5,677. Transcription Regulation of HYPK by Heat Shock Factor 1

By: Das, Srijit; Bhattacharyya, Nitai Pada

PLOS ONE Volume: 9 Issue: 1 Article Number: e85552 Published: JAN 21 2014

5,678. Potential of known and short prokaryotic protein motifs as a basis for novel peptide-based antibacterial therapeutics: a computational survey

By: Ruhanen, Heini; Hurley, Daniel; Ghosh, Ambarnil; et al.

FRONTIERS IN MICROBIOLOGY Volume: 5 Published: JAN 21 2014

5,679. Shape coexistence in the near-spherical Sm-142 nucleus

By: Rajbanshi, S.; Bisoi, Abhijit; Nag, Somnath; et al.

PHYSICAL REVIEW C Volume: 89 Issue: 1 Article Number: 014315 Published: JAN 21 2014

5,680. Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 89 Issue: 1 Article Number: 012003 Published: JAN 21 2014

5,681. Field-Induced Spin-Structural Transition and Giant Magnetostriction in Ising Chain  $\alpha$ -CoV<sub>2</sub>O<sub>6</sub>

By: Nandi, Moumita; Khan, Nazir; Bhoi, Dilip; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 118 Issue: 3 Pages: 1668-1673 Published: JAN 23 2014

5,682. Gammalike Mass Distributions and Mass Fluctuations in Conserved-Mass Transport Processes

By: Chatterjee, Sayani; Pradhan, Punyabrata; Mohanty, P. K.

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 3 Article Number: 030601 Published: JAN 23 2014

5,683. Hydrostatic pressure effects on martensitic transition, magnetic and magnetocaloric effect in Si doped Ni-Mn-Sn Heusler alloys

By: Muthu, S. Esakki; Kanagaraj, M.; Singh, Sanjay; et al.



JOURNAL OF ALLOYS AND COMPOUNDS Volume: 584 Pages: 175-179 Published: JAN 25 2014

5,684. Anomalous patterns and nearly defect-free ripples produced by bombarding silicon and germanium with a beam of gold ions

By: Mollick, Safiul Alam; Ghose, Debabrata; Shipman, Patrick D.; et al.

APPLIED PHYSICS LETTERS Volume: 104 Issue: 4 Article Number: 043103 Published: JAN 27 2014

5,685. Entropy from near-horizon geometries of Killing horizons

By: Dreyer, Olaf; Ghosh, Amit; Ghosh, Avirup

PHYSICAL REVIEW D Volume: 89 Issue: 2 Article Number: 024035 Published: JAN 28 2014

5,686. Observing supernova neutrino light curve in future dark matter detectors

By: Chakraborty, Sovan; Bhattacharjee, Pijushpani; Kar, Kamales

PHYSICAL REVIEW D Volume: 89 Issue: 1 Article Number: 013011 Published: JAN 28 2014

5,687. Use of FCS to Study Protein Denaturation and Aggregation

By: Nag, Moupriya; Bera, Kallol; Basak, Soumen

BIOPHYSICAL JOURNAL Volume: 106 Issue: 2 Supplement: 1 Pages: 471A-471A Published: JAN 28 2014

5,688. Search for new physics in events with same-sign dileptons and jets in pp collisions at root s=8 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 163 Published: JAN 29 2014

5,689. An unusual  $\mu$ -(1,2,3)-squarato-bridged two dimensional coordination polymer: Crystal structure, thermal, photoluminescence and magnetic studies

By: Goswami, Somen; Saha, Rajat; Steele, Ian M.; et al.

INORGANICA CHIMICA ACTA Volume: 410 Pages: 111-117 Published: JAN 30 2014

5,690. Number of fermion generations from a novel grand unified model

By: Byakti, Pritibhajan; Emmanuel-Costa, David; Mazumdar, Arindam; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 2 Article Number: 2730 Published: JAN 31 2014

5,691. Modifications to the pulsar kick velocity due to magnetic interactions in dense plasma

By: Adhya, S. P.; Roy, P. K.; Dutt-Mazumder, A. K.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 41 Issue: 2 Article Number: 025201 Published: FEB 2014

5,692. The consequences of SU (3) color singletness, Polyakov Loop and Z (3) symmetry on a quark-gluon gas

By: Islam, Chowdhury Aminul; Abir, Raktim; Mustafa, Munshi G.; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 41 Issue: 2 Article Number: 025001 Published: FEB 2014

5,693. Fusion with Anticodon Binding Domain of GluRS is Not Sufficient to Alter the Substrate Specificity of a Chimeric Glu-Q-RS

By: Ray, Sutapa; Blaise, Mickael; Roy, Bappaditya; et al.

PROTEIN JOURNAL Volume: 33 Issue: 1 Pages: 48-60 Published: FEB 2014

5,694. High energy (MeV) ion fluence dependent nano scale free volume defects studies of PMMA films

By: Singh, Paramjit; Kumar, Rajesh; Cyriac, Jincemon; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 320 Pages: 64-69 Published: FEB 1 2014

5,695. Separation of no-carrier-added rhenium from bulk tantalum by the sodium malonate-PEG aqueous biphasic system

By: Dutta, Binita; Lahiri, Susanta; Tomar, B. S.

APPLIED RADIATION AND ISOTOPES Volume: 84 Pages: 8-12 Published: FEB 2014

5,696. Velocity shear effect on the longitudinal wave in a strongly coupled dusty plasma

By: Garai, S.; Banerjee, D.; Janaki, M. S.; et al.

ASTROPHYSICS AND SPACE SCIENCE Volume: 349 Issue: 2 Pages: 789-798 Published: FEB 2014

5,697. Probe-impurity interaction in dilute alloy Zr(x)Hf(1-x) similar to 0.98: Results from perturbed angular correlation measurements

By: Dey, C. C.

SOLID STATE COMMUNICATIONS Volume: 179 Pages: 43-47 Published: FEB 2014

5,698. Enhanced dielectric response of Gd<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> nanoparticles in SiO<sub>2</sub> matrix

By: Dasgupta, Papri; Mukherjee, S.; Bhowmik, R. N.; et al.

MATERIALS RESEARCH BULLETIN Volume: 50 Pages: 26-30 Published: FEB 2014

5,699. Mahogunin-mediated alpha-tubulin ubiquitination via noncanonical K6 linkage regulates microtubule stability and mitotic spindle orientation

By: Srivastava, D.; Chakrabarti, O.

CELL DEATH & DISEASE Volume: 5 Article Number: e1064 Published: FEB 2014

5,700. Conducting CoMn<sub>2</sub>O<sub>4</sub>-PEDOT nanocomposites as catalyst in oxygen reduction reaction

By: Chowdhury, Ankan Dutta; Agnihotri, Nidhi; Sen, Pintu; et al.

ELECTROCHIMICA ACTA Volume: 118 Pages: 81-87 Published: FEB 1 2014

5,701. New nonlinear structures in a degenerate one-dimensional electron gas

By: Ghosh, S.; Chakrabarti, N.; Haas, F.

EPL Volume: 105 Issue: 3 Article Number: 30006 Published: FEB 2014

5,702. Large magnetocaloric effect and critical behavior in  $\text{Sm}_{0.09}\text{Ca}_{0.91}\text{MnO}_3$  electron-doped nanomanganite

By: Giri, S. K.; Dasgupta, Papri; Poddar, A.; et al.

EPL Volume: 105 Issue: 4 Article Number: 47007 Published: FEB 2014

5,703. Wave breaking of nonlinear electron oscillations in a warm magnetized plasma

By: Pramanik, Sourav; Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 21 Issue: 2 Article Number: 022308 Published: FEB 2014

5,704. Theoretical and numerical modelling of chaotic electrostatic ion cyclotron (EIC) oscillations by Jerk equation

By: Wharton, A. M.; Shaw, Pankaj Kumar; Janaki, M. S.; et al.

PHYSICS OF PLASMAS Volume: 21 Issue: 2 Article Number: 022311 Published: FEB 2014

5,705. Inverse magnetocaloric effect in  $\text{Mn}_2\text{NiGa}$  and  $\text{Mn}_{1.75}\text{Ni}_{1.25}\text{Ga}$  magnetic shape memory alloys

By: Singh, Sanjay; Muthu, S. Esakki; Senyshyn, A.; et al.

APPLIED PHYSICS LETTERS Volume: 104 Issue: 5 Article Number: 051905 Published: FEB 3 2014

5,706. Measurement of associated W plus charm production in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 013 Published: FEB 4 2014

5,707. Measurement of the  $t\bar{t}$  production cross section in the dilepton channel in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 024 Published: FEB 5 2014

5,708. High spin spectroscopy in  $\text{Cl-34}$

By: Bisoi, Abhijit; Sarkar, M. Saha; Sarkar, S.; et al.

PHYSICAL REVIEW C Volume: 89 Issue: 2 Article Number: 024303 Published: FEB 5 2014

5,709. Inclusive search for a vector-like T quark with charge  $2/3$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 729 Pages: 149-171 Published: FEB 5 2014

5,710. Quark and gluon spin-2 form factors to two-loops in QCD

By: de Florian, Daniel; Mahakhud, Maguni; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 035 Published: FEB 7 2014

5,711. Drell-Yan, ZZ,  $W+W^-$  production in SM & ADD model to NLO+PS accuracy at the LHC

By: Frederix, R.; Mandal, M. K.; Mathews, P.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 2 Article Number: 2745 Published: FEB 7 2014

5,712.A THREE-YEAR MULTI-WAVELENGTH STUDY OF THE VERY-HIGH-ENERGY gamma-RAY BLAZAR 1ES 0229+200

By: Aliu, E.; Archambault, S.; Arlen, T.; et al.

ASTROPHYSICAL JOURNAL Volume: 782 Issue: 1 Article Number: 13 Published: FEB 10 2014

5,713.Topological susceptibility in lattice Yang-Mills theory with open boundary condition

By: Chowdhury, Abhishek; Harindranath, A.; Maiti, Jyotirmoy; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 045 Published: FEB 11 2014

5,714.Enhancement of supercapacitance property of electrochemically deposited MnO<sub>2</sub> thin films grown in acidic medium

By: Jana, S. K.; Rao, V. P.; Banerjee, S.

CHEMICAL PHYSICS LETTERS Volume: 593 Pages: 160-164 Published: FEB 11 2014

5,715.Inner-most stable circular orbits in extremal and non-extremal Kerr-Taub-NUT spacetimes

By: Chakraborty, Chandrachur

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 2 Article Number: 2759 Published: FEB 15 2014

5,716.Bio-sensing property of gold coated ZnO nanorods

By: Bhattacharya, A.; Rao, V. P.; Jain, C.; et al.

MATERIALS LETTERS Volume: 117 Pages: 128-130 Published: FEB 15 2014

5,717.J/psi production and nuclear effects in p-Pb collisions at=5.02 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 073 Published: FEB 18 2014

5,718.Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 088 Published: FEB 20 2014

5,719.Interacting particles in a periodically moving potential: Traveling wave and transport

By: Chatterjee, Rakesh; Chatterjee, Sakuntala; Pradhan, Punyabrata; et al.

PHYSICAL REVIEW E Volume: 89 Issue: 2 Article Number: 022138 Published: FEB 25 2014

5,720.Measurement of the  $t\bar{t}$  production cross section in the dilepton channel in pp collisions at  $\sqrt{s} = 8$  TeV (vol 2, 024, 2014)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 102 Published: FEB 25 2014

5,721.Symmetry energy of warm nuclear systems

By: Agrawal, B. K.; De, J. N.; Samaddar, S. K.; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 50 Issue: 2 Article Number: 19 Published: FEB 25 2014

5,722.Two- and three-pion quantum statistics correlations in Pb-Pb collisions at root S-NN=2.76 TeV at the CERN Large Hadron Collider

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 89 Issue: 2 Article Number: 024911 Published: FEB 26 2014

5,723.Polaron dynamics and decoherence in an interacting two-spin system coupled to an optical-phonon environment

By: Dey, Amit; Yarlagadda, Sudhakar

PHYSICAL REVIEW B Volume: 89 Issue: 6 Article Number: 064311 Published: FEB 27 2014

5,724.Development of hydrophobicity of mica surfaces by ion beam sputtering

By: Metya, Amaresh; Ghose, Debabrata; Ray, Nihar Ranjan

APPLIED SURFACE SCIENCE Volume: 293 Pages: 18-23 Published: FEB 28 2014

5,725.Polypyrrole decorated graphene nanostructure: Fabrication, depiction and anomalous dimensional crossover in electronic conduction

By: Nandi, Debabrata; Nandi, Susmita; Pal, Prasun K.; et al.

APPLIED SURFACE SCIENCE Volume: 293 Pages: 90-96 Published: FEB 28 2014

5,726.Observation of large magnetocaloric effect in HoRu<sub>2</sub>Si<sub>2</sub>

By: Paramanik, Tapas; Das, Kalipada; Samanta, Tapas; et al.

JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 8 Article Number: 083914 Published: FEB 28 2014

5,727.Synthesis of SiGe layered structure in single crystalline Ge substrate by low energy Si ion implantation

By: Mollick, S. A.; Ghose, D.; Bhattacharyya, S. R.; et al.

VACUUM Volume: 101 Special Issue: SI Pages: 387-393 Published: MAR 2014

5,728.Keggin-lysine hybrid nanostructures in the shape modulation of gold

By: Das, Subhasis; Ghosh, Tanmay; Satpati, Biswarup; et al.

MATERIALS RESEARCH EXPRESS Volume: 1 Issue: 1 Article Number: 015007 Published: MAR 2014

5,729.Effect of phosphate group in switching off electron transfer in different media

By: Bose, Aditya; Basu, Samita

JOURNAL OF MOLECULAR LIQUIDS Volume: 191 Pages: 92-99 Published: MAR 2014

5,730.Minimal supersymmetry confronts R-b, A(FB)(b) and m(h)

By: Bhattacharyya, Gautam; Kundu, Anirban; Ray, Tirtha Sankar

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 41 Issue: 3 Article Number: 035002 Published: MAR 2014

5,731.Synthesis of radioactive gold nanoparticle in surfactant medium

By: Mandal, Swadesh

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 299 Issue: 3 Pages: 1209-1212

Published: MAR 2014

5,732.Separation of no-carrier-added (TcO<sub>4</sub><sup>-</sup>)-Tc-99m from Mo-99-Tc-99m equilibrium mixture by PEG based aqueous biphasic separation technique using sodium/potassium salts of citric and tartaric acid

By: Mandal, Swadesh; Mandal, Ajoy

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 299 Issue: 3 Pages: 1225-1230

Published: MAR 2014

5,733.Anthracyclines as radiosensitizers: a Cu(II) complex of a simpler analogue modifies DNA in Chinese Hamster V79 cells under low-dose gamma radiation

By: Das, Saurabh; Mandal, Parikshit C.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 299 Issue: 3 Pages: 1665-1670

Published: MAR 2014

5,734.Origin of gamma-ray emission in the shell of Cassiopeia A

By: Saha, L.; Ergin, T.; Majumdar, P.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 563 Article Number: A88 Published: MAR 2014

5,735.Chaotic magnetic fields in Vlasov-Maxwell equilibria

By: Ghosh, Abhijit; Janaki, M. S.; Dasgupta, Brahmananda; et al.

CHAOS Volume: 24 Issue: 1 Article Number: 013117 Published: MAR 2014

5,736.Investigation of complexity dynamics of inverse and normal homoclinic bifurcation in a glow discharge plasma

By: Saha, Debajyoti; Shaw, Pankaj Kumar; Janaki, M. S.; et al.

PHYSICS OF PLASMAS Volume: 21 Issue: 3 Article Number: 032301 Published: MAR 2014

5,737.OBSERVATIONS OF THE UNIDENTIFIED GAMMA-RAY SOURCE TeV J2032+4130 BY VERITAS

By: Aliu, E.; Aune, T.; Behera, B.; et al.

ASTROPHYSICAL JOURNAL Volume: 783 Issue: 1 Article Number: 16 Published: MAR 1 2014

5,738.Experimental evidence of intermittent chaos in a glow discharge plasma without external forcing and its numerical modelling

By: Ghosh, S.; Shaw, Pankaj Kumar; Iyengar, A. N. Sekar; et al.

PHYSICS OF PLASMAS Volume: 21 Issue: 3 Article Number: 032303 Published: MAR 2014

5,739.Development of the data acquisition system for the Triple-GEM detectors for the upgrade of the CMS forward muon spectrometer

By: Abbaneo, D.; Abbrescia, M.; Akl, M. Abi; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: C03052 Published: MAR 2014

5,740. A novel method of sensing temperatures of magnet coils of SINP-MaPLE plasma device

By: Pal, A. M.; Bhattacharya, S.; Biswas, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: T03001 Published: MAR 2014

5,741. Near-freely standing Au quantum well states On  $\text{moS}(2)(0001)$  surface

By: Mahatha, S. K.; Menon, Krishnakumar S. R.

JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 193 Pages: 43-47  
Published: MAR 2014

5,742. Eu-Doped Cerium Oxide Nanoparticles Studied by Positron Annihilation

By: Thorat, A. V.; Ghoshal, T.; Morris, M. A.; et al.

ACTA PHYSICA POLONICA A Volume: 125 Issue: 3 Pages: 756-759 Published: MAR 2014

5,743. Measurement of charged jet suppression in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 013 Published: MAR 3 2014

5,744. Development of a Rhodamine-Rhodanine-Based Fluorescent Mercury Sensor and Its Use to Monitor Real-Time Uptake and Distribution of Inorganic Mercury in Live Zebrafish Larvae

By: Bera, Kallol; Das, Anand Kant; Nag, Moupnya; et al.

ANALYTICAL CHEMISTRY Volume: 86 Issue: 5 Pages: 2740-2746 Published: MAR 4 2014

5,745. Study of double parton scattering using  $W+2$ -jet events in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 032 Published: MAR 5 2014

5,746. Potency of photoinduced electron transfer and antioxidant efficacy of pyrrole and pyridine based Cu(II)-Schiff complexes while binding with CT-DNA

By: Seth, Banabithi Koley; Ray, Aurkie; Saha, Arpita; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 132 Pages: 72-84  
Published: MAR 5 2014

5,747. Three-loop pressure and susceptibility at finite temperature and density from hard-thermal-loop perturbation theory

By: Haque, Najmul; Andersen, Jens O.; Mustafa, Munshi G.; et al.

PHYSICAL REVIEW D Volume: 89 Issue: 6 Article Number: 061701 Published: MAR 6 2014

5,748. Searches for light- and heavy-flavour three-jet resonances in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 730 Pages: 193-214 Published: MAR 7 2014

5,749.A practical GMSB model for explaining the muon ( $g-2$ ) with gauge coupling unification

By: Bhattacharyya, Gautam; Bhattacharjee, Biplob; Yanagida, Tsutomu T.; et al.

PHYSICS LETTERS B Volume: 730 Pages: 231-235 Published: MAR 7 2014

5,750.Modification of jet shapes in PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 730 Pages: 243-263 Published: MAR 7 2014

5,751.Doping a Correlated Band Insulator: A New Route to Half-Metallic Behavior

By: Garg, Arti; Krishnamurthy, H. R.; Randeria, Mohit

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 10 Article Number: 106406 Published: MAR 12 2014

5,752.Alteration of Mitochondrial Proteome Due to Activation of Notch1 Signaling Pathway

By: Basak, Nandini Pal; Roy, Anita; Banerjee, Subrata

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 289 Issue: 11 Pages: 7320-7334 Published: MAR 14 2014

5,753.Naphthoquinone-mediated Inhibition of Lysine Acetyltransferase KAT3B/p300, Basis for Non-toxic Inhibitor Synthesis

By: Vasudevarao, Mohankrishna Dalvoy; Mizar, Pushpak; Kumari, Sujata; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 289 Issue: 11 Pages: 7702-7717 Published: MAR 14 2014

5,754.Transition between Mechanisms of Laser-Induced Field-Free Molecular Orientation

By: Znakovskaya, I.; Spanner, M.; De, S.; et al.

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 11 Article Number: 113005 Published: MAR 18 2014

5,755.Brownian motion in strongly coupled, anisotropic Yang-Mills plasma: A holographic approach

By: Chakraborty, Shankhadeep; Chakraborty, Somdeb; Haque, Najmul

PHYSICAL REVIEW D Volume: 89 Issue: 6 Article Number: 066013 Published: MAR 21 2014

5,756.Enhanced vacuum-photoconductivity of chemically synthesized ZnO nanostructures

By: Bayan, Sayan; Mishra, Sheo K.; Chakraborty, Purushottam; et al.

PHILOSOPHICAL MAGAZINE Volume: 94 Issue: 9 Pages: 914-924 Published: MAR 24 2014

5,757.Positron annihilation studies of vacancy-type defects and room temperature ferromagnetism in chemically synthesized Li-doped ZnO nanocrystals

By: Ghosh, S.; Khan, Gobinda Gopal; Mandal, K.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 590 Pages: 396-405 Published: MAR 25 2014



5,758.Spectroscopic studies of the binding of Cu(II) complexes of oxicam NSAIDs to alternating G-C and homopolymeric G-C sequences

By: Chakraborty, Sreeja; Bose, Madhuparna; Sarkar, Munna

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 122

Pages: 690-697 Published: MAR 25 2014

5,759.Localization phenomena in a DNA double-helix structure: A twisted ladder model

By: Kundu, Sourav; Karmakar, S. N.

PHYSICAL REVIEW E Volume: 89 Issue: 3 Article Number: 032719 Published: MAR 27 2014

5,760.Search for anomalous production in the highly-boosted all-hadronic final state (vol 09, 029, 2012)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Published: MAR 28 2014

5,761.A Two-Dimensional Network of Au Nanoclusters on Water Surface: Example of Facile Control of Nanospace

By: Choudhuri, Madhumita; Datta, Alokmay

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 14 Issue: 4 Pages: 2901-2907

Published: APR 2014

5,762.On the evaluation of specific heat from thermoelectric power

By: Dasgupta, Papri; Poddar, Asok; Mazumdar, Chandan

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 251 Issue: 4 Pages: 877-881

Published: APR 2014

5,763.S-matrix approach to the equation of state of dilute nuclear matter

By: De, J. N.; Samaddar, S. K.; Agrawal, B. K.

PRAMANA-JOURNAL OF PHYSICS Volume: 82 Issue: 4 Special Issue: SI Pages: 625-635 Published:

APR 2014

5,764.Performance studies of bulk Micromegas of different design parameters

By: Bhattacharya, P.; Bhattacharya, S.; Majumdar, N.; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: C04037 Published: APR 2014

5,765.Fidelity susceptibility and Loschmidt echo for generic paths in a three-spin interacting transverse Ising model

By: Rajak, Atanu; Divakaran, Uma

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P04023

Published: APR 2014

5,766.Plasma density accumulation on a conical surface for diffusion along a diverging magnetic field

By: Saha, S. K.; Chowdhury, S.; Janaki, M. S.; et al.

PHYSICS OF PLASMAS Volume: 21 Issue: 4 Article Number: 043502 Published: APR 2014

- 5,767. New Mechanism for Autocatalytic Decomposition of  $\text{H}_2\text{CO}_3$  in the Vapor Phase  
By: Ghoshal, Sourav; Hazra, Montu K.  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 118 Issue: 13 Pages: 2385-2392 Published: APR 3 2014
- 5,768. Large-time behavior in an exactly soluble out of equilibrium model  
By: Das, Ashok K.; Frenkel, J.  
PHYSICAL REVIEW D Volume: 89 Issue: 8 Article Number: 087701 Published: APR 3 2014
- 5,769. Next-to-next-to-leading order QCD corrections in models of TeV-scale gravity  
By: de Florian, Daniel; Mahakhud, Maguni; Mathews, Prakash; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 028 Published: APR 4 2014
- 5,770. Search for baryon number violation in top-quark decays  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 731 Pages: 173-196 Published: APR 4 2014
- 5,771. A renormalization group study of persistent current in a quasiperiodic ring  
By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.  
PHYSICS LETTERS A Volume: 378 Issue: 20 Pages: 1388-1391 Published: APR 4 2014
- 5,772. Measurement of the top-quark mass in all-jets  $t(\bar{t})$  events in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration; CMS Collaboration; Kirschenmann, H; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 4 Article Number: UNSP 2758 Published: APR 4 2014
- 5,773. Strong gravity Lense-Thirring precession in Kerr and Kerr-Taub-NUT spacetimes  
By: Chakraborty, Chandrachur; Majumdar, Parthasarathi  
CLASSICAL AND QUANTUM GRAVITY Volume: 31 Issue: 7 Article Number: 075006 Published: APR 7 2014
- 5,774. Modelling rogue waves through exact dynamical lump soliton controlled by ocean currents  
By: Kundu, Anjan; Mukherjee, Abhik; Naskar, Tapan  
PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES  
Volume: 470 Issue: 2164 Article Number: 20130576 Published: APR 8 2014
- 5,775. Jet-induced collective modes in an anisotropic quark-gluon plasma  
By: Mandal, Mahatsab; Roy, Pradip  
PHYSICAL REVIEW D Volume: 89 Issue: 7 Article Number: 074016 Published: APR 8 2014
- 5,776. ROTATION CURVE OF THE MILKY WAY OUT TO similar to 200 kpc

By: Bhattacharjee, Pijushpani; Chaudhury, Soumini; Kundu, Susmita  
ASTROPHYSICAL JOURNAL Volume: 785 Issue: 1 Article Number: 63 Published: APR 10 2014

5,777.Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at root  
s(NN)=2.76 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 89 Issue: 4 Article Number: 044906 Published: APR 11 2014

5,778.Event activity dependence of (nS) production in=5.02 TeV pPb and=2.76 TeV pp collisions

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 103 Published: APR 15 2014

5,779.Survival probability of an edge Majorana in a one-dimensional p-wave superconducting chain  
under sudden quenching of parameters

By: Rajak, Atanu; Dutta, Amit

PHYSICAL REVIEW E Volume: 89 Issue: 4 Published: APR 15 2014

5,780.A colorimetric and ratiometric fluorescent turn-on fluoride chemodosimeter and application in  
live cell imaging: high selectivity via specific Si-O cleavage in semi aqueous media and prompt recovery  
of ES IPT along with the X-ray structures

By: Goswami, Shyamaprosad; Das, Avijit Kumar; Manna, Abhishek; et al.

TETRAHEDRON LETTERS Volume: 55 Issue: 16 Pages: 2633-2638 Published: APR 16 2014

5,781.Covariant perturbations through a simple nonsingular bounce

By: Kumar, Atanu

PHYSICAL REVIEW D Volume: 89 Issue: 8 Article Number: 084059 Published: APR 18 2014

5,782.Thermal properties of the nuclear surface

By: Agrawal, B. K.; Bandyopadhyay, D.; De, J. N.; et al.

PHYSICAL REVIEW C Volume: 89 Issue: 4 Article Number: 044320 Published: APR 22 2014

5,783.Statistics, holography, and black hole entropy in loop quantum gravity

By: Ghosh, Amit; Noui, Karim; Perez, Alejandro

PHYSICAL REVIEW D Volume: 89 Issue: 8 Article Number: 084069 Published: APR 23 2014

5,784.Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 16 Article Number: 161802 Published: APR 25  
2014

5,785.Raman spectra of electrochemically hydrogenated diamond like carbon surface

By: Biswas, Hari Shankar; Datta, Jagannath; Sen, Pintu; et al.

CHEMICAL PHYSICS LETTERS Volume: 600 Pages: 10-14 Published: APR 29 2014

5,786. Measurements of the  $t\bar{t}$  Overbar charge asymmetry using the dilepton decay channel in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 191 Published: APR 30 2014

5,787. Anomalies and renormalization of mixed states in quantum theories

By: Gupta, Kumar S.; de Queiroz, Amilcar

MODERN PHYSICS LETTERS A Volume: 29 Issue: 13 Article Number: 1450064 Published: APR 30 2014

5,788. Observation of a breakup-induced alpha-transfer process for some bound states of O-16 populated by the C-12(Li-6,d)O-16 reaction

By: Adhikari, S.; Basu, C.; Thompson, I. J.; et al.

PHYSICAL REVIEW C Volume: 89 Issue: 4 Article Number: 044618 Published: APR 30 2014

5,789. Search for Top-Quark Partners with Charge  $5/3$  in the Same-Sign Dilepton Final State

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 17 Article Number: 171801 Published: APR 30 2014

5,790. Microstructure and dielectric functions of Ge nanocrystals embedded between amorphous Al<sub>2</sub>O<sub>3</sub> films: study of confinement and disorder

By: Nayak, A.; Bhunia, S.

JOURNAL OF EXPERIMENTAL NANOSCIENCE Volume: 9 Issue: 5 Pages: 463-474 Published: MAY 1 2014

5,791. Identifying bacterial fragments on morphologically similar substrate using UAFM

By: Bhattacharya, A.; Banerjee, S.

MICRON Volume: 60 Pages: 1-4 Published: MAY 2014

5,792. Lattice bosons in a quasi-disordered environment: The effects of next-nearest-neighbor hopping on localization and Bose-Einstein condensation

By: Ramakumar, R.; Das, A. N.; Sil, S.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 401 Pages: 214-223 Published: MAY 1 2014

5,793. A spectroscopic investigation of the photophysical behaviour of 9-aminoacridine hydrochloride hydrate in presence of organic amines in homogeneous and heterogeneous media

By: Mitra, Piyali; Chakraborty, Brotati; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 149 Pages: 221-230 Published: MAY 2014

5,794. Probing the density content of the nuclear symmetry energy

By: Agrawal, B. K.; De, J. N.; Samaddar, S. K.

PRAMANA-JOURNAL OF PHYSICS Volume: 82 Issue: 5 Special Issue: SI Pages: 823-830 Published: MAY 2014

5,795. Double-Lambda hypernuclei within a Skyrme-Hartree-Fock approach

By: Guleria, Neelam; Dhiman, Shashi K.; Shyam, Radhey

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 23 Issue: 5 Article Number: 1450026 Published: MAY 2014

5,796. Efficient UV photosensitive and photoluminescence properties of sol-gel derived Sn doped ZnO nanostructures

By: Mishra, Sheo K.; Bayan, Sayan; Shankar, Ravi; et al.

SENSORS AND ACTUATORS A-PHYSICAL Volume: 211 Pages: 8-14 Published: MAY 1 2014

5,797. Ca-48+Bk-249 Fusion Reaction Leading to Element Z=117: Long-Lived alpha-Decaying (270)Db and Discovery of Lr-266

By: Khuyagbaatar, J.; Yakushev, A.; Duellmann, Ch. E.; et al.

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 17 Article Number: 172501 Published: MAY 1 2014

5,798. Reformation of hydrocarbons using non-thermal plasma at atmospheric pressure: discharge characteristics and associated nonlinear dynamics

By: Sarma, Arun; Gopi, Supin; Saha, Debajyoti

PHYSICA SCRIPTA Volume: T161 Article Number: 014064 Published: MAY 2014

5,799. Thick-lens velocity-map imaging spectrometer with high resolution for high-energy charged particles

By: Kling, N. G.; Paul, D.; Gura, A.; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P05005 Published: MAY 2014

5,800. MicroRNA-432 contributes to dopamine cocktail and retinoic acid induced differentiation of human neuroblastoma cells by targeting NESTIN and RCOR1 genes

By: Das, Eashita; Bhattacharyya, Nitai Pada

FEBS LETTERS Volume: 588 Issue: 9 Pages: 1706-1714 Published: MAY 2 2014

5,801. Search for Flavor-Changing Neutral Currents in Top-Quark Decays  $t \rightarrow Zq$  in pp Collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaborat

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 17 Article Number: 171802 Published: MAY 2 2014

5,802. Highly luminescent two dimensional excitons in atomically thin CdSe nanosheets

By: Halder, O.; Pradhani, A.; Sahoo, P. K.; et al.

APPLIED PHYSICS LETTERS Volume: 104 Issue: 18 Article Number: 182109 Published: MAY 5 2014

5,803. Measurements of  $t\bar{t}$  Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 18 Article Number: 182001 Published: MAY 5 2014

5,804. Highly efficient and green chemical synthesis of imidazolyl alcohols and N-imidazolyl functionalized beta-amino compounds using nanocrystalline ZSM-5 catalysts

By: Kore, Rajkumar; Satpati, Biswarup; Srivastava, Rajendra

APPLIED CATALYSIS A-GENERAL Volume: 477 Pages: 8-17 Published: MAY 5 2014

5,805. The microcanonical entropy of quantum isolated horizon, 'quantum hair'  $N$  and the Barbero-Immirzi parameter fixation

By: Majhi, Abhishek

CLASSICAL AND QUANTUM GRAVITY Volume: 31 Issue: 9 Article Number: 095002 Published: MAY 7 2014

5,806. 3d-4f spin interaction and field-induced metamagnetism in  $R\text{CrO}_4$  ( $R=\text{Ho, Gd, Lu}$ ) compounds

By: Midya, A.; Khan, N.; Bhoi, D.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 17 Article Number: 17E114 Published: MAY 7 2014

5,807. Three-loop HTLpt thermodynamics at finite temperature and chemical potential

By: Haque, Najmul; Bandyopadhyay, Aritra; Andersen, Jens O.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Pages: 1-46 Article Number: 027 Published: MAY 7 2014

5,808. Universal scaling in disordered systems and nonuniversal exponents

By: Bardhan, K. K.; Talukdar, D.; Nandi, U. N.; et al.

PHYSICAL REVIEW B Volume: 89 Issue: 18 Article Number: 184201 Published: MAY 12 2014

5,809. Anomalous x-ray scattering study of the growth of inverted quantum hut structures in a Si-Ge superlattice emitting strong photoluminescence

By: Sharma, Manjula; Sanyal, Milan K.; Satpati, Biswarup; et al.

PHYSICAL REVIEW B Volume: 89 Issue: 20 Article Number: 205304 Published: MAY 12 2014

5,810. Measurement of the  $W$  gamma and  $Z$  gamma inclusive cross sections in pp collisions at  $\sqrt{s}=7$  TeV and limits on anomalous triple gauge boson couplings

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 89 Issue: 9 Article Number: 092005 Published: MAY 13 2014

5,811.Determination of subshell-resolved L-shell-ionization cross sections of gold induced by 15-40-keV electrons

By: Rahangdale, H. V.; Guerra, M.; Das, P. K.; et al.

PHYSICAL REVIEW A Volume: 89 Issue: 5 Article Number: 052708 Published: MAY 14 2014

5,812.Measurement of Inclusive W and Z Boson Production Cross Sections in pp Collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 19 Article Number: 191802 Published: MAY 14 2014

5,813.Measurement of the properties of a Higgs boson in the four-lepton final state

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaborat

PHYSICAL REVIEW D Volume: 89 Issue: 9 Article Number: 092007 Published: MAY 14 2014

5,814.Enhanced photocatalytic activity of Ag-ZnO hybrid plasmonic nanostructures prepared by a facile wet chemical method

By: Kuriakose, Sini; Choudhary, Vandana; Satpati, Biswarup; et al.

BEILSTEIN JOURNAL OF NANOTECHNOLOGY Volume: 5 Pages: 639-650 Published: MAY 15 2014

5,815.Arbitrary bending of optical solitonic beam regulated by boundary excitations in a doped resonant medium

By: Kundu, Anjan; Naskar, Tapan

PHYSICA D-NONLINEAR PHENOMENA Volume: 276 Pages: 21-27 Published: MAY 15 2014

5,816.Exploring the Origin of Nearly Degenerate Doublet Bands in Ag-106

By: Rather, N.; Datta, P.; Chattopadhyay, S.; et al.

PHYSICAL REVIEW LETTERS Volume: 112 Issue: 20 Article Number: 202503 Published: MAY 20 2014

5,817.Evidence for the 125 GeV Higgs boson decaying to a pair of tau leptons

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 104 Published: MAY 22 2014

5,818.Two-Loop QCD correction to massive spin-2 resonance  $\rightarrow$  3 gluons

By: Ahmed, Taushif; Mahakhud, Maguni; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Pages: 1-45 Published: MAY 22 2014

5,819.Conformally de Sitter space from anisotropic space-like D3-brane of type IIB string theory

By: Roy, Shibaji

PHYSICAL REVIEW D Volume: 89 Issue: 10 Article Number: 104044 Published: MAY 22 2014

5,820.A very high momentum particle identification detector

By: Acconcia, T. V.; Agocs, A. G.; Barile, F.; et al.

EUROPEAN PHYSICAL JOURNAL PLUS Volume: 129 Issue: 5 Article Number: 91 Published: MAY 23 2014

5,821. Analysis of an extended scalar sector with S-3 symmetry

By: Das, Dipankar; Dey, Ujjal Kumar

PHYSICAL REVIEW D Volume: 89 Issue: 9 Article Number: 095025 Published: MAY 23 2014

5,822. Search for  $W \rightarrow tb$  decays in the lepton plus jets final state in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 108 Published: MAY 23 2014

5,823. Concentration Mediated Structural Transition of Triblock Copolymer Ultrathin Films

By: Bal, Jayanta K.; Mukherjee, Manabendra; Delorme, Nicolas; et al.

LANGMUIR Volume: 30 Issue: 20 Pages: 5808-5816 Published: MAY 27 2014

5,824. Feasibility of light scalars in a class of two-Higgs-doublet models and their decay signatures

By: Bhattacharyya, Gautam; Das, Dipankar; Kundu, Anirban

PHYSICAL REVIEW D Volume: 89 Issue: 9 Article Number: 095029 Published: MAY 28 2014

5,825. Measurement of four-jet production in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 89 Issue: 9 Article Number: 092010 Published: MAY 28 2014

5,826. Time Evolution of a Cl-Terminated Si Surface at Ambient Conditions

By: Chatterjee, P.; Hazra, S.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 118 Issue: 21 Pages: 11350-11356 Published: MAY 29 2014

5,827. Psi and Upsilon production in pp collisions at 8.0 TeV

By: Kisslinger, Leonard S.; Das, Debasish

MODERN PHYSICS LETTERS A Volume: 29 Issue: 16 Article Number: 1450082 Published: MAY 30 2014

5,828. Two-photon correlation in anisotropic quark-gluon plasma

By: Mohanty, Payal; Mandal, Mahatsab; Roy, Pradip K.

PHYSICAL REVIEW C Volume: 89 Issue: 5 Article Number: 054915 Published: MAY 30 2014

5,829. Secondary ion mass spectrometry and photoluminescence study on microstructural characteristics of chemically synthesized ZnO nanowalls

By: Bayan, Sayan; Chakraborty, Purushottam

APPLIED SURFACE SCIENCE Volume: 303 Pages: 233-240 Published: JUN 1 2014

5,830. How Langmuir-Blodgett trilayers act as templates for directed self-assembly of nanoparticles



By: Mukherjee, Smita; Datta, Alokmay; Biswas, Nupur; et al.

MATERIALS RESEARCH EXPRESS Volume: 1 Issue: 2 Article Number: 025006 Published: JUN 2014

5,831. Magnetic catechin-dextran conjugate as targeted therapeutic for pancreatic tumour cells

By: Vittorio, Orazio; Voliani, Valerio; Faraci, Paolo; et al.

JOURNAL OF DRUG TARGETING Volume: 22 Issue: 5 Pages: 408-415 Published: JUN 2014

5,832. Study of anti-clockwise bipolar resistive switching in Ag/NiO/ITO heterojunction assembly

By: Mitra, Subarna; Chakraborty, Suvankar; Menon, Krishnakumar S. R.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 115 Issue: 4 Pages: 1173-1179  
Published: JUN 2014

5,833. Defect-dominated optical emission and enhanced ultraviolet photoconductivity properties of ZnO nanorods synthesized by simple and catalyst-free approach

By: Mishra, Sheo K.; Bayan, Sayan; Chakraborty, Purushottam; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 115 Issue: 4 Pages: 1193-1203  
Published: JUN 2014

5,834. Partition functions of Polychronakos like spin chains associated with polarized spin reversal operators

By: Basu-Mallick, B.; Bondyopadhaya, Nilanjan; Banerjee, Pratyay

NUCLEAR PHYSICS B Volume: 883 Pages: 501-528 Published: JUN 2014

5,835. Facile preparation of beta-Ni(OH)(2)-NiCo2O4 hybrid nanostructure and its application in the electro-catalytic oxidation of methanol

By: Prathap, M. U. Anu; Satpati, Biswarup; Srivastava, Rajendra

ELECTROCHIMICA ACTA Volume: 130 Pages: 368-380 Published: JUN 1 2014

5,836. Study of depth profile of hydrogen in hydrogenated diamond like carbon thin film using ion beam analysis techniques

By: Datta, J.; Biswas, H. S.; Rao, P.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 328 Pages: 27-32 Published: JUN 1 2014

5,837. Evolution and interaction of twins, dislocations and stacking faults in rolled alpha-brass during nanostructuring at sub-zero temperature

By: Roy, Barna; Kumar, Nand Kishor; Nambissan, Padinharu Madathil Gopalakrishnan; et al.

AIP ADVANCES Volume: 4 Issue: 6 Article Number: 067101 Published: JUN 2014

5,838. Performance of a size-selected nanocluster deposition facility and in situ characterization of grown films by x-ray photoelectron spectroscopy

By: Mondal, Shyamal; Bhattacharyya, S. R.

REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 85 Issue: 6 Article Number: 065109 Published: JUN 2014

5,839.B-13,B-14(n,gamma) via Coulomb Dissociation for Nucleosynthesis towards the r-Process  
By: Altstadt, S. G.; Adachi, T.; Aksyutina, Y.; et al.  
Group Author(s): R3B Collaboration  
NUCLEAR DATA SHEETS Volume: 120 Special Issue: SI Pages: 197-200 Published: JUN 2014

5,840.Applications of complementarity plot in error detection and structure validation of proteins  
By: Basu, Sankar; Bhattacharyya, Dhananjay; Banerjee, Rahul  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 51 Issue: 3 Pages: 188-200 Published:  
JUN 2014

5,841.Alignment of the CMS tracker with LHC and cosmic ray data  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P06009 Published: JUN 2014

5,842.Interaction of Grb2 SH3 domain with UVRAG in an Alzheimer's disease-like scenario  
By: Roy, Kasturi; Chakrabarti, Oishee; Mukhopadhyay, Debashis  
BIOCHEMISTRY AND CELL BIOLOGY-BIOCHIMIE ET BIOLOGIE CELLULAIRE Volume: 92 Issue: 3 Pages:  
219-225 Published: JUN 2014

5,843.Search for supersymmetry in pp collisions at root s=8 TeV in events with a single lepton, large jet  
multiplicity, and multiple b jets  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 733 Pages: 328-353 Published: JUN 2 2014

5,844.Binding of polarity-sensitive hydrophobic ligands to erythroid and nonerythroid spectrin:  
fluorescence and molecular modeling studies  
By: Patra, Malay; Mitra, Madhurima; Chakrabarti, Abhijit; et al.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 32 Issue: 6 Pages: 852-865  
Published: JUN 3 2014

5,845.Study of the production of charged pions, kaons, and protons in pPb collisions at root SNN=5.02  
TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 6 Article Number: 2847 Published: JUN 3  
2014

5,846.Measurement of the triple-differential cross section for photon plus jets production in proton-  
proton collisions at=7 TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 009 Published: JUN 3 2014

- 5,847. Phase-modulated solitary waves controlled by a boundary condition at the bottom  
By: Mukherjee, Abhik; Janaki, M. S.  
PHYSICAL REVIEW E Volume: 89 Issue: 6 Article Number: 062903 Published: JUN 5 2014
- 5,848. Observation of the Associated Production of a Single Top Quark - and a W Boson in pp Collisions at  $\sqrt{s}=8$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 112 Issue: 23 Article Number: 231802 Published: JUN 9 2014
- 5,849. Site specific isolated nanostructure array formation on a large area by broad ion beam without any mask and resist  
By: Karmakar, Prasanta; Satpati, Biswarup  
APPLIED PHYSICS LETTERS Volume: 104 Issue: 23 Article Number: 231601 Published: JUN 9 2014
- 5,850. Magnetic properties and magnetocaloric effect in Pt doped Ni-Mn-Ga  
By: Singh, Sanjay; D'Souza, S. W.; Mukherjee, K.; et al.  
APPLIED PHYSICS LETTERS Volume: 104 Issue: 23 Article Number: 231909 Published: JUN 9 2014
- 5,851. Simulation study on the photoacoustics of cells with endocytosed gold nanoparticles  
By: Saha, Ratan K.; Roy, Madhusudan; Datta, Alokmay  
CURRENT SCIENCE Volume: 106 Issue: 11 Pages: 1554-1559 Published: JUN 10 2014
- 5,852. Antimagnetic rotation in Pd-104  
By: Rather, N.; Roy, S.; Datta, P.; et al.  
PHYSICAL REVIEW C Volume: 89 Issue: 6 Article Number: 061303 Published: JUN 10 2014
- 5,853. Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 055 Published: JUN 10 2014
- 5,854. Probing color coherence effects in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 6 Article Number: 2901 Published: JUN 11 2014
- 5,855. Open boundary condition, Wilson flow and the scalar glueball mass  
By: Chowdhury, Abhishek; Harindranath, A.; Maiti, Jyotirmoy  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: UNSP 067 Published: JUN 11 2014
- 5,856. Hydrolysis of Glyoxal in Water-Restricted Environments: Formation of Organic Aerosol Precursors through Formic Acid Catalysis

By: Hazra, Montu K.; Francisco, Joseph S.; Sinha, Amitabha  
JOURNAL OF PHYSICAL CHEMISTRY A Volume: 118 Issue: 23 Pages: 4095-4105 Published: JUN 12 2014

5,857. Magnetic skin layer of NiO(100) probed by polarization-dependent spectromicroscopy  
By: Mandal, Suman; Belkhou, Rachid; Maccherozzi, Francesco; et al.  
APPLIED PHYSICS LETTERS Volume: 104 Issue: 24 Article Number: 242414 Published: JUN 16 2014

5,858. Measurement of the t-channel single-top-quark production cross section and of the  $|V_{tb}|$  CKM matrix element in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 090 Published: JUN 16 2014

5,859. The effect of gate dielectric modification and film deposition temperature on the field effect mobility of copper (II) phthalocyanine thin-film transistors  
By: Sinha, Sumona; Wang, C-H; Mukherjee, M.; et al.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 47 Issue: 24 Article Number: 245103  
Published: JUN 18 2014

5,860. Why Does Substitution of Thymine by 6-Ethynylpyridone Increase the Thermostability of DNA Double Helices?  
By: Halder, Antarip; Datta, Ayan; Bhattacharyya, Dhananjay; et al.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 118 Issue: 24 Special Issue: SI Pages: 6586-6596  
Published: JUN 19 2014

5,861. Contrasting Magnetic Properties of Thermally and Chemically Reduced Graphene Oxide  
By: Bagani, Kousik; Ray, Mayukh K.; Satpati, Biswarup; et al.  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 118 Issue: 24 Pages: 13254-13259 Published: JUN 19 2014

5,862. Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at  $\sqrt{s}=7$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 120 Published: JUN 19 2014

5,863. Search for pair production of excited top quarks in the lepton plus jets final state  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 125 Published: JUN 19 2014

5,864. TEST OF MODELS OF THE COSMIC INFRARED BACKGROUND WITH MULTIWAVELENGTH OBSERVATIONS OF THE BLAZAR 1ES 1218+30.4 IN 2009  
By: Archambault, S.; Arlen, T.; Aune, T.; et al.

ASTROPHYSICAL JOURNAL Volume: 788 Issue: 2 Article Number: 158 Published: JUN 20 2014

5,865. Nucleosynthesis of Al-26 in massive stars: New Al-27 states above alpha and neutron emission thresholds

By: Benamara, S.; de Sereville, N.; Laird, A. M.; et al.

PHYSICAL REVIEW C Volume: 89 Issue: 6 Article Number: 065805 Published: JUN 25 2014

5,866. Note on Kerr/CFT correspondence in a first order formalism

By: Ghosh, Avirup

PHYSICAL REVIEW D Volume: 89 Issue: 12 Article Number: 124035 Published: JUN 27 2014

5,867. Absence of log correction in entropy of large black holes

By: Ghosh, A.; Mitra, P.

PHYSICS LETTERS B Volume: 734 Pages: 49-51 Published: JUN 27 2014

5,868. Observation of a peaking structure in the J/psi phi mass spectrum from B+/- -> J/psi phi K+/- decays

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 734 Pages: 261-281 Published: JUN 27 2014

5,869. Centrality, rapidity and transverse momentum dependence of J/Psi suppression in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 734 Pages: 314-327 Published: JUN 27 2014

5,870. Synthesis based structural and optical behavior of anatase TiO<sub>2</sub> nanoparticles

By: Tripathi, Anand Kumar; Mathpal, Mohan Chandra; Kumar, Promod; et al.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 23 Pages: 136-143 Published: JUL 2014

5,871. A simple and sensitive separation technique of Mo-99 and Tc-99m from their equilibrium mixture

By: Mandal, Swadesh; Mandal, Ajoy

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 301 Issue: 1 Pages: 297-299 Published: JUL 2014

5,872. Letter to the Editor: A simple and sensitive separation technique of Mo-99 and Tc-99m from their equilibrium mixture (DOI: 10.1007/s10967-013-2770-x)

By: Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 301 Issue: 1 Pages: 301-302 Published: JUL 2014

5,873. Letter to the Editor: A simple and sensitive separation technique of Mo-99 and Tc-99m from their equilibrium mixture (DOI: 10.1007/s10967-013-2770-x) Reply

By: Mandal, Swadesh

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 301 Issue: 1 Pages: 303-304  
Published: JUL 2014

5,874. Nanomolar Detection of Hypochlorite by a Rhodamine-Based Chiral Hydrazone in Absolute Aqueous Media: Application in Tap Water Analysis with Live-Cell Imaging

By: Goswami, Shyamaprosad; Das, Avijit Kumar; Manna, Abhishek; et al.

ANALYTICAL CHEMISTRY Volume: 86 Issue: 13 Pages: 6315-6322 Published: JUL 1 2014

5,875. Study of low temperature ferromagnetism, surface paramagnetism and exchange bias effect in  $\alpha$ -Fe<sub>1.4</sub>Ga<sub>0.6</sub>O<sub>3</sub> oxide

By: Bhowmik, R. N.; Naresh, N.; Ghosh, B.; et al.

CURRENT APPLIED PHYSICS Volume: 14 Issue: 7 Pages: 970-979 Published: JUL 2014

5,876. Dissipative Cylindrical Collapse of Charged Anisotropic Fluid

By: Guha, Sarbari; Banerji, Ranajoy

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 53 Issue: 7 Pages: 2332-2348

Published: JUL 2014

5,877. Epstein-Barr virus latent membrane protein-2A alters mitochondrial dynamics promoting cellular migration mediated by Notch signaling pathway

By: Pal, Anindita Deb; Basak, Nandini Pal; Banerjee, Aditi Sengupta; et al.

CARCINOGENESIS Volume: 35 Issue: 7 Pages: 1592-1601 Published: JUL 2014

5,878. Temperature effect on poly(dA).poly(dT): molecular dynamics simulation studies of polymeric and oligomeric constructs

By: Mukherjee, Sanchita; Kundu, Sangeeta; Bhattacharyya, Dhananjay

JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN Volume: 28 Issue: 7 Pages: 735-749

Published: JUL 2014

5,879. Altered Levels of Amyloid Precursor Protein Intracellular Domain-interacting Proteins in Alzheimer Disease

By: Chakrabarti, Arunabha; Chatterjee, Atri; Sengupta, Mohor B.; et al.

ALZHEIMER DISEASE & ASSOCIATED DISORDERS Volume: 28 Issue: 3 Pages: 283-290 Published:

JUL-SEP 2014

5,880. Phase-mixing of Langmuir oscillations in cold electron-positron-ion plasmas

By: Maity, Chandan

PHYSICS OF PLASMAS Volume: 21 Issue: 7 Article Number: 072317 Published: JUL 2014

5,881. Quantum corrections to nonlinear ion acoustic wave with Landau damping

By: Mukherjee, Abhik; Bose, Anirban; Janaki, M. S.

PHYSICS OF PLASMAS Volume: 21 Issue: 7 Article Number: 072303 Published: JUL 2014

5,882. Autocatalytic Isomerizations of the Two Most Stable Conformers of Carbonic Acid in Vapor Phase: Double Hydrogen Transfer in Carbonic Acid Homodimers

By: Ghoshal, Sourav; Hazra, Montu K.

JOURNAL OF PHYSICAL CHEMISTRY A Volume: 118 Issue: 26 Pages: 4620-4630 Published: JUL 3 2014

5,883. Effect of excess Ni on martensitic transition, exchange bias and inverse magnetocaloric effect in  $Ni_{2+x}Mn_{1.4-x}Sn_{0.6}$  alloy

By: Ray, Mayukh K.; Bagani, K.; Banerjee, S.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 600 Pages: 55-59 Published: JUL 5 2014

5,884. Massive neutron stars with antikaon condensates in a density-dependent hadron field theory

By: Char, Prasanta; Banik, Sarmistha

PHYSICAL REVIEW C Volume: 90 Issue: 1 Article Number: 015801 Published: JUL 10 2014

5,885. Reaction  $(p)_{\text{over-bar}} \rightarrow (\Lambda)_{\text{over-bar}}(-)\Lambda(+)(c)$  within an effective Lagrangian model

By: Shyam, R.; Lenske, H.

PHYSICAL REVIEW D Volume: 90 Issue: 1 Article Number: 014017 Published: JUL 10 2014

5,886. Exploring radiation in many splendors

By: Das, Mala; Das, Debasish; Mukherjee, Anjali; et al.

CURRENT SCIENCE Volume: 107 Issue: 1 Pages: 15-16 Published: JUL 10 2014

5,887. Atomic resolution crystal structure of VcLMWPTP-1 from *Vibrio cholerae* 0395: Insights into a novel mode of dimerization in the low molecular weight protein tyrosine phosphatase family

By: Nath, Seema; Banerjee, Ramanuj; Sen, Udayaditya

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 450 Issue: 1 Pages: 390-395 Published: JUL 18 2014

5,888. DRAGGING OF INERTIAL FRAMES INSIDE THE ROTATING NEUTRON STARS

By: Chakraborty, Chandrachur; Modak, Kamakshya Prasad; Bandyopadhyay, Debades

ASTROPHYSICAL JOURNAL Volume: 790 Issue: 1 Article Number: 2 Published: JUL 20 2014

5,889. RECOMBINING PLASMA IN THE GAMMA-RAY-EMITTING MIXED-MORPHOLOGY SUPERNOVA REMNANT 3C 391

By: Ergin, T.; Sezer, A.; Saha, L.; et al.

ASTROPHYSICAL JOURNAL Volume: 790 Issue: 1 Article Number: 65 Published: JUL 20 2014

5,890. Argon-ion-induced formation of nanoporous GaSb layer: Microstructure, infrared luminescence, and vibrational properties

By: Datta, D. P.; Kanjilal, A.; Satpati, B.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 3 Article Number: 033514 Published: JUL 21 2014

5,891. Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 7 Article Number: 2951 Published: JUL 23 2014

5,892. Memory effects and magnetic relaxation in single-crystalline  $\text{La}_{0.9}\text{Sr}_{0.1}\text{CoO}_3$

By: Khan, N.; Mandal, P.; Prabhakaran, D.

PHYSICAL REVIEW B Volume: 90 Issue: 2 Article Number: 024421 Published: JUL 25 2014

5,893. Analysis of the  $t(2)$ -V model

By: Ghosh, A.; Yarlagadda, S.

PHYSICAL REVIEW B Volume: 90 Issue: 4 Article Number: 045140 Published: JUL 29 2014

5,894. Measurement of the production cross section for a W boson and two b jets in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 735 Pages: 204-225 Published: JUL 30 2014

5,895. Enhancement of persistent photoconductivity of ZnO nanorods under polyvinyl alcohol encapsulation

By: Bayan, Sayan; Mishra, Sheo K.; Satpati, Biswarup; et al.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 24 Pages: 200-207 Published: AUG 2014

5,896. Role of caffeine in DNA recognition of a potential food-carcinogen benzo[a]pyrene and UVA induced DNA damage

By: Banerjee, Soma; Chaudhuri, Siddhi; Maity, Anup Kumar; et al.

JOURNAL OF MOLECULAR RECOGNITION Volume: 27 Issue: 8 Pages: 510-520 Published: AUG 2014

5,897. Root associated iron oxidizing bacteria increase phosphate nutrition and influence root to shoot partitioning of iron in tolerant plant *Typha angustifolia*

By: Das Ghosh, Upal; Saha, Chinmay; Maiti, Moumita; et al.

PLANT AND SOIL Volume: 381 Issue: 1-2 Pages: 279-295 Published: AUG 2014

5,898. Gravitational Coleman-Weinberg potential and its finite temperature counterpart

By: Bhattacharjee, Srijit; Majumdar, Parthasarathi

NUCLEAR PHYSICS B Volume: 885 Pages: 481-492 Published: AUG 2014

5,899. Analysis of stacking overlap in nucleic acid structures: algorithm and application

By: Pingali, Pavan Kumar; Halder, Sukanya; Mukherjee, Debasish; et al.

JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN Volume: 28 Issue: 8 Pages: 851-867  
Published: AUG 2014



5,900.Upgrade of the ALICE Experiment Letter Of Intent

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 41 Issue: 8 Article Number: 087001 Published: AUG 2014

5,901.Technical Design Report for the Upgrade of the ALICE Inner Tracking System

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 41 Issue: 8 Article Number: 087002 Published: AUG 2014

5,902.A novel approach for mitigating disruptions using biased electrode in Aditya tokamak

By: Dhyani, Pravesh; Ghosh, J.; Chattopadhyay, P. K.; et al.

NUCLEAR FUSION Volume: 54 Issue: 8 Article Number: 083023 Published: AUG 2014

5,903.Ubiquitination-mediated interaction among domains is responsible for inhibition of RNA endonuclease activity of mRNA cycling sequence binding protein from *L. donovani* (LdCSBP)

By: Guha, Kasturi; Bhandari, Dipankar; Sen, Titash; et al.

PARASITOLOGY RESEARCH Volume: 113 Issue: 8 Pages: 2941-2949 Published: AUG 2014

5,904.Crystallization and preliminary X-ray analysis of a ribokinase from *Vibrio cholerae* O395

By: Paul, Rakhi; Patra, Madhumita Dandopath; Banerjee, Ramanuj; et al.

ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY COMMUNICATIONS Volume: 70 Pages: 1098-1102 Part: 8 Published: AUG 2014

5,905.Equilibrium unfolding of cyclophilin from *Leishmania donovani*: Characterization of intermediate states

By: Roy, Sourav; Basu, Sankar; Datta, Alok K.; et al.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 69 Pages: 353-360 Published: AUG 2014

5,906.Enhanced photoelectrochemical property of gold nanoparticle sensitized TiO<sub>2</sub> nanotube: A crucial investigation at electrode-electrolyte interface

By: Jana, S. K.; Majumder, T.; Banerjee, S.

JOURNAL OF ELECTROANALYTICAL CHEMISTRY Volume: 727 Pages: 99-103 Published: AUG 1 2014

5,907.Active to absorbing state phase transition in the presence of a fluctuating environment: feedback and universality

By: Sarkar, Niladri; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P08016 Published: AUG 2014

5,908.N-flation with hierarchically light axions in string compactifications

By: Cicoli, Michele; Dutta, Koushik; Maharana, Anshuman  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 8 Article Number: 012 Published:  
AUG 2014

5,909. Electrical Properties of SrTiO<sub>3</sub> and SrTiO<sub>3</sub>/NiO Thin Films in Heterojunction Devices  
By: Das, Soumen; Liu, Daan; Choi, Chel-Jong; et al.  
SCIENCE OF ADVANCED MATERIALS Volume: 6 Issue: 8 Pages: 1888-1891 Published: AUG 2014

5,910. Effect of cooler electrons on a compressive ion acoustic solitary wave in a warm ion plasma-  
Forbidden regions, double layers, and supersolitons  
By: Ghosh, S. S.; Iyengar, A. N. Sekar  
PHYSICS OF PLASMAS Volume: 21 Issue: 8 Article Number: 082104 Published: AUG 2014

5,911. Atomic force microscopy in biofilm study  
By: Chatterjee, Susmita; Biswas, Nupur; Datta, Alokmay; et al.  
MICROSCOPY Volume: 63 Issue: 4 Pages: 269-278 Published: AUG 2014

5,912. Viable dark energy models using pseudo-Nambu-Goldstone bosons  
By: Adak, Debabrata; Dutta, Koushik  
PHYSICAL REVIEW D Volume: 90 Issue: 4 Article Number: 043502 Published: AUG 4 2014

5,913. Swelling dynamics and swelling induced structural changes of polyelectrolyte ultrathin films  
By: Samanta, Tanusree; Mukherjee, M.; Lausi, Andrea  
POLYMER Volume: 55 Issue: 16 Special Issue: SI Pages: 4385-4393 Published: AUG 5 2014

5,914. Measurement of WZ and ZZ production in pp collisions at in final states with b-tagged jets  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 8 Article Number: 2973 Published: AUG 7  
2014

5,915. Flavonoids as duplex and quadruplex DNA ligands: Biophysical studies  
By: Sengupta, Bidisha; Davis, Donald; Harris, Kisa; et al.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 248 Meeting Abstract: 402-  
PHYS Published: AUG 10 2014

5,916. Nonequilibrium steady states in asymmetric exclusion processes on a ring with bottlenecks  
By: Sarkar, Niladri; Basu, Abhik  
PHYSICAL REVIEW E Volume: 90 Issue: 2 Article Number: 022109 Published: AUG 11 2014

5,917. Overcoming inherent magnetic instability, preventing spin canting and magnetic coding in an  
assembly of ferrimagnetic nanoparticles  
By: Dey, S.; Dey, S. K.; Bagani, K.; et al.  
APPLIED PHYSICS LETTERS Volume: 105 Issue: 6 Article Number: 063110 Published: AUG 11 2014

5,918. Two-loop QCD corrections to Higgs  $\rightarrow b + \bar{b} + g$  amplitude

By: Ahmed, Taushif; Mahakhud, Maguni; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 075 Published: AUG 12 2014

5,919. Measurement of quarkonium production at forward rapidity in collisions at TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 8 Article Number: 2974 Published: AUG 13 2014

5,920. Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 8 Article Number: 2980 Published: AUG 13 2014

5,921. Measurement of the muon charge asymmetry in inclusive  $pp \rightarrow W$  plus X production at  $\sqrt{s}=7$  TeV and an improved determination of light parton distribution functions

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 3 Article Number: 032004 Published: AUG 13 2014

5,922. Enhanced thermoelectric performance of a new half-Heusler derivative  $Zr_9Ni_7Sn_8$  bulk nanocomposite: enhanced electrical conductivity and low thermal conductivity

By: Misra, D. K.; Bhardwaj, A.; Singh, Sanjay

JOURNAL OF MATERIALS CHEMISTRY A Volume: 2 Issue: 30 Pages: 11913-11921 Published: AUG 14 2014

5,923. Evolution of porous network in GaSb under normally incident 60 keV Ar<sup>+</sup>-ion irradiation

By: Datta, D. P.; Kanjilal, A.; Garg, S. K.; et al.

APPLIED SURFACE SCIENCE Volume: 310 Special Issue: SI Pages: 189-195 Published: AUG 15 2014

5,924. Measurement of jet fragmentation in PbPb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaborat

PHYSICAL REVIEW C Volume: 90 Issue: 2 Article Number: 024908 Published: AUG 18 2014

5,925. Search for jet extinction in the inclusive jet- $p(T)$  spectrum from proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration; Pereira, AV

PHYSICAL REVIEW D Volume: 90 Issue: 3 Article Number: 032005 Published: AUG 18 2014

5,926.Measurement of jet multiplicity distributions in  $t(\bar{t})$  production in pp collisions at  $\sqrt{s}=7\text{TeV}$

By: Chatrchyan, S.; Chatrchyan, S.; Khachatryan, V.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 8 Article Number: 3014 Published: AUG 20 2014

5,927.Search for anomalous production of events with three or more leptons in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 3 Article Number: 032006 Published: AUG 20 2014

5,928.Tilt boundary induced heteroepitaxy in chemically grown dendritic silver nanostructures on germanium and their optical properties

By: Ghosh, Tanmay; Das, Pabitra; Chini, Tapas Kumar; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 16 Issue: 31 Pages: 16730-16739 Published: AUG 21 2014

5,929.Investigation of Li-6+Ni-64 fusion at near-barrier energies

By: Shaikh, Md. Moin; Roy, Subinit; Rajbanshi, S.; et al.

PHYSICAL REVIEW C Volume: 90 Issue: 2 Article Number: 024615 Published: AUG 21 2014

5,930.Multiple magnetic rotational bands based on proton alignment in Eu-143

By: Rajbanshi, S.; Bisoi, Abhijit; Nag, Somnath; et al.

PHYSICAL REVIEW C Volume: 90 Issue: 2 Article Number: 024318 Published: AUG 22 2014

5,931.Search for WW gamma and WZ gamma production and constraints on anomalous quartic gauge couplings in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 3 Article Number: 032008 Published: AUG 25 2014

5,932.Exploring photoinduced electron transfer and excited-state proton transfer reactions involving 9-aminoacridine hydrochloride hydrate and methyl viologen using laser flash photolysis

By: Mitra, Piyali; Chakraborty, Brotati; Basu, Samita

CHEMICAL PHYSICS LETTERS Volume: 610 Pages: 108-114 Published: AUG 28 2014

5,933.Collective excitations in S-33

By: Bisoi, Abhijit; Sarkar, M. Saha; Sarkar, S.; et al.

PHYSICAL REVIEW C Volume: 90 Issue: 2 Article Number: 024328 Published: AUG 29 2014

5,934.Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: UNSP 174 Published: AUG 29 2014

5,935. Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: UNSP 173 Published: AUG 29 2014

5,936. Critical end point of the first-order ferromagnetic transition in a Sm-0.55(Sr<sub>0.5</sub>Ca<sub>0.5</sub>)(<sub>0.45</sub>)MnO<sub>3</sub> single crystal

By: Radheep, D. Mohan; Sarkar, P.; Arumugam, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 365 Pages: 51-55 Published: SEP 2014

5,937. Ultra-low noise multiwalled carbon nanotube transistors

By: Herranen, Olli; Talukdar, Deep; Ahlskog, Markus

CARBON Volume: 76 Pages: 71-76 Published: SEP 2014

5,938. 5,6,7,9-Tetrahydro-[1,3]dioxolo[4,5-h]carbazol-8-one: A solvatochromic PET-acceptor fluorescent probe

By: Ghosh, Sujay; Mitra, Amrit Krishna; Basu, Samita; et al.

JOURNAL OF LUMINESCENCE Volume: 153 Pages: 296-303 Published: SEP 2014

5,939. Homoepitaxy of germanium by hyperthermal ion irradiation

By: Chowdhury, Debasree; Ghose, Debabrata; Mollick, Safiul Alam

VACUUM Volume: 107 Special Issue: SI Pages: 23-27 Published: SEP 2014

5,940. Effect of Al doping on structural and magnetic properties of Ni<sub>50</sub>Mn<sub>37</sub>Al<sub>x</sub>Sb<sub>13-x</sub> alloy

By: Ray, Mayukh K.; Bagani, K.; Singh, R. K.; et al.

PHYSICA B-CONDENSED MATTER Volume: 448 Pages: 33-37 Published: SEP 1 2014

5,941. Giant magnetocaloric effect in antiferromagnetic DyVO<sub>4</sub> compound

By: Midya, A.; Khan, N.; Bhoi, D.; et al.

PHYSICA B-CONDENSED MATTER Volume: 448 Pages: 43-45 Published: SEP 1 2014

5,942. Study of antiferro - ferromagnetic phase coexistence in Ta doped HfFe<sub>2</sub>

By: Bag, Pallab; Singh, Sanjay; Babu, P. D.; et al.

PHYSICA B-CONDENSED MATTER Volume: 448 Pages: 50-52 Published: SEP 1 2014

5,943. Superparamagnetic behavior of nanosized Co<sub>0.2</sub>Zn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> synthesized by a flow rate controlled chemical coprecipitation method

By: Dey, S.; Dey, S. K.; Majumder, S.; et al.

PHYSICA B-CONDENSED MATTER Volume: 448 Pages: 247-252 Published: SEP 1 2014

5,944. Conformational changes and unzipping of DNA by surface modified gold nanoparticle  
By: Sanyal, K.; Bera, S. C.; Mishra, P. P.  
FEBS JOURNAL Volume: 281 Special Issue: SI Supplement: 1 Pages: 713-714 Meeting Abstract:  
WED-290 Published: SEP 2014

5,945. The Electron Capture Ho-163 Experiment ECHO  
By: Gastaldo, L.; Blaum, K.; Doerr, A.; et al.  
JOURNAL OF LOW TEMPERATURE PHYSICS Volume: 176 Issue: 5-6 Pages: 876-884 Published: SEP  
2014

5,946. Mechanism of ion-induced mixing phenomena in Gold-Nickel bilayer on Si substrate  
By: Datta, D.; Bhattacharyya, S. R.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 116 Issue: 3 Pages: 1455-1466  
Published: SEP 2014

5,947. Morphological and optical properties of soft-landed supported nanoclusters: effect of rapid  
thermal annealing  
By: Mondal, Shyamal; Bhattacharyya, S. R.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 116 Issue: 4 Pages: 1621-1626  
Published: SEP 2014

5,948. Conserved C-terminal nascent peptide binding domain of HYPK facilitates its chaperone-like  
activity  
By: Raychaudhuri, Swasti; Banerjee, Rachana; Mukhopadhyay, Subhasish; et al.  
JOURNAL OF BIOSCIENCES Volume: 39 Issue: 4 Pages: 659-672 Published: SEP 2014

5,949. A facile method for the synthesis of Co-core Au-shell nanohybrid  
By: Sardar, Debasmita; Neogi, S. K.; Bandyopadhyay, S.; et al.  
NEW JOURNAL OF CHEMISTRY Volume: 38 Issue: 9 Pages: 4107-4114 Published: SEP 2014

5,950. ZSM-5 Zeolite Nanosheets with Improved Catalytic Activity Synthesized Using a New Class of  
Structure-Directing Agents  
By: Kore, Rajkumar; Srivastava, Rajendra; Satpati, Biswarup  
CHEMISTRY-A EUROPEAN JOURNAL Volume: 20 Issue: 36 Pages: 11511-11521 Published: SEP 1  
2014

5,951. Rayleigh-Taylor instability in an equal mass plasma  
By: Adak, Ashish; Ghosh, Samiran; Chakrabarti, Nikhil  
PHYSICS OF PLASMAS Volume: 21 Issue: 9 Article Number: 092120 Published: SEP 2014

5,952. Electric field induced localization phenomena in a ladder network with superlattice  
configuration: Effect of backbone environment  
By: Dutta, Paramita; Maiti, Santanu K.; Karmakar, S. N.  
AIP ADVANCES Volume: 4 Issue: 9 Article Number: 097126 Published: SEP 2014

5,953. Tuning of colossal dielectric constant in gold-polypyrrole composite nanotubes using in-situ x-ray diffraction techniques

By: Sarma, Abhisakh; Sanyal, Milan K.

AIP ADVANCES Volume: 4 Issue: 9 Article Number: 097121 Published: SEP 2014

5,954. Quantum annealing search of Ising spin glass ground state(s) with tunable transverse and longitudinal fields

By: Rajak, A.; Chakrabarti, B. K.

INDIAN JOURNAL OF PHYSICS Volume: 88 Issue: 9 Special Issue: SI Pages: 951-955 Published: SEP 2014

5,955. Maximal zero textures of the inverse seesaw with broken  $\mu\tau$  symmetry

By: Adhikary, B.; Ghosal, A.; Roy, P.

INDIAN JOURNAL OF PHYSICS Volume: 88 Issue: 9 Special Issue: SI Pages: 979-989 Published: SEP 2014

5,956. Comparative analysis of 16S rRNA signature sequences of the genus *Idiomarina* and *Idiomarina woesei* sp. nov., a novel marine bacterium isolated from the Andaman Sea

By: Poddar, Abhijit; Lepcha, Rinchen T.; Mukherjee, Debasish; et al.

RESEARCH IN MICROBIOLOGY Volume: 165 Issue: 7 Pages: 501-507 Published: SEP 2014

5,957. Differential regulation of MCM7 and its intronic miRNA cluster miR-106b-25 during megakaryopoiesis induced polyploidy

By: Haldar, Srijan; Roy, Anita; Banerjee, Subrata

RNA BIOLOGY Volume: 11 Issue: 9 Pages: 1137-1147 Published: SEP 2014

5,958. Modification of the phase structure of black D6 branes in a canonical ensemble and its origin

By: Lu, J. X.; Ouyang, Jun; Roy, Shibaji

PHYSICAL REVIEW D Volume: 90 Issue: 6 Article Number: 066003 Published: SEP 4 2014

5,959. Pyrophosphate selective fluorescent chemosensors: cascade recognition of nuclear stain mimicking DAPI

By: Goswami, Shyamaprosad; Das, Avijit Kumar; Pakhira, Bholanath; et al.

DALTON TRANSACTIONS Volume: 43 Issue: 33 Pages: 12689-12697 Published: SEP 7 2014

5,960. Facile synthesis of Ag-ZnO hybrid nanospindles for highly efficient photocatalytic degradation of methyl orange

By: Kuriakose, Sini; Choudhary, Vandana; Satpati, Biswarup; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 16 Issue: 33 Pages: 17560-17568 Published: SEP 7 2014

5,961. Measurement of the ratio  $B(t \rightarrow Wb)/B(t \rightarrow Wq)$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 736 Pages: 33-57 Published: SEP 7 2014

5,962. Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 736 Pages: 64-85 Published: SEP 7 2014

5,963. Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 736 Pages: 196-207 Published: SEP 7 2014

5,964. Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 736 Pages: 371-397 Published: SEP 7 2014

5,965. Quantum coherent transport in SnTe topological crystalline insulator thin films  
By: Assaf, B. A.; Katmis, F.; Wei, P.; et al.  
APPLIED PHYSICS LETTERS Volume: 105 Issue: 10 Article Number: 102108 Published: SEP 8 2014

5,966. Azimuthal anisotropy of D-meson production in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
PHYSICAL REVIEW C Volume: 90 Issue: 3 Published: SEP 10 2014

5,967. Three photon production to NLO plus PS accuracy at the LHC  
By: Mandal, M. K.; Mathews, Prakash; Ravindran, V.; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 9 Article Number: 3044 Published: SEP 11 2014

5,968. Feasibility of occurrence of different types of protonated base pairs in RNA: a quantum chemical study  
By: Halder, Antarip; Halder, Sukanya; Bhattacharyya, Dhananjay; et al.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 16 Issue: 34 Pages: 18383-18396 Published: SEP 14 2014

5,969. Inequality in societies, academic institutions and science journals: Gini and k-indices  
By: Ghosh, Asim; Chattopadhyay, Nachiketa; Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 410 Pages: 30-34 Published: SEP 15 2014

5,970. Effect of thermal annealing and oxygen partial pressure on the swelling of HfO<sub>2</sub>/SiO<sub>2</sub>/Si metal-oxide-semiconductor structure grown by rf sputtering: A synchrotron x-ray reflectivity study  
By: Biswas, Debaleen; Faruque, Sk Abdul Kader Md; Sinha, Anil Kumar; et al.  
APPLIED PHYSICS LETTERS Volume: 105 Issue: 11 Article Number: 113511 Published: SEP 15 2014



5,971. Search for the associated production of the Higgs boson with a top-quark pair  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 087 Published: SEP 16 2014

5,972. Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 9 Article Number: 3054 Published: SEP 16 2014

5,973. Measurement of prompt J/psi pair production in pp collisions at  $\sqrt{s} = 7$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 094 Published: SEP 17 2014

5,974. Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 9 Article Number: 3060 Published: SEP 17 2014

5,975. Microcrystalline phase transformation from  $ZrF_4 \cdot HF \cdot 2H_2O$  to  $ZrO_2$  through the intermediate phases  $ZrF_4 \cdot 3H_2O$ ,  $ZrF_4 \cdot H_2O$ ,  $Zr_2OF_6 \cdot H_2O$  and  $ZrF_4$   
By: Dey, C. C.  
CHEMICAL PHYSICS LETTERS Volume: 612 Pages: 8-13 Published: SEP 18 2014

5,976. Evidence of b-Jet Quenching in PbPb Collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 113 Issue: 13 Article Number: 132301 Published: SEP 22 2014

5,977. Comparative proteomics and glycoproteomics of plasma proteins in Indian visceral leishmaniasis  
By: Bag, Arup Kumar; Saha, Sutapa; Sundar, Shyam; et al.  
PROTEOME SCIENCE Volume: 12 Article Number: 48 Published: SEP 22 2014

5,978. Role of partial Cu/Co substitution on magnetic and electronic properties of Mn-rich  $Ni_{46}Mn_{43}In_{11}$  alloy  
By: Ray, Mayukh K.; Maji, Bibekananda; Bagani, K.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 47 Issue: 38 Article Number: 385001  
Published: SEP 24 2014

5,979. Photophysics of a solvent sensitive keto-tetrahydrocarbazole based fluorophore and its interaction with triethylamine: A spectroscopic inquest under surfactant and beta-CD confinement  
By: Mitra, Amrit Krishna; Ghosh, Sujay; Sarangi, Manas Kumar; et al.

JOURNAL OF MOLECULAR STRUCTURE Volume: 1074 Pages: 617-628 Published: SEP 25 2014

5,980. Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 9 Article Number: 3036 Published: SEP 26 2014

5,981. Structural characterization and ferromagnetic properties in Ga<sup>3+</sup> doped alpha-Fe<sub>2</sub>O<sub>3</sub> system prepared by coprecipitation route and vacuum annealing

By: Bhowmik, R. N.; Vijayasri, G.; Ranganathan, R.

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 12 Article Number: 123905 Published: SEP 28 2014

5,982. Performance of the ALICE experiment at the CERN LHC

By: Abelev, B.; Abramyan, A.; Adam, J.; et al.

Group Author(s): ALICE Collaboration

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 29 Issue: 24 Article Number: 1430044  
Published: SEP 30 2014

5,983. Quark number susceptibility: Revisited with fluctuation-dissipation theorem in mean field theories

By: Ghosh, Sanjay K.; Lahiri, Anirban; Majumder, Sarbani; et al.

PHYSICAL REVIEW D Volume: 90 Issue: 5 Article Number: 054030 Published: SEP 30 2014

5,984. Masses, mixing angles and phases of general Majorana neutrino mass matrix (vol 10, 043, 2013)

By: Adhikary, Biswajit; Chakraborty, Mainak; Ghosal, Ambar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 180 Published: SEP 30 2014

5,985. Detection of positional mismatch in oligonucleotide by electrochemical method

By: Chowdhury, Ankan Dutta; Agnihotri, Nidhi; De, Amitabha; et al.

SENSORS AND ACTUATORS B-CHEMICAL Volume: 202 Pages: 917-923 Published: OCT 2014

5,986. Antibacterial efficacy of acridine derivatives conjugated with gold nanoparticles

By: Mitra, Piyali; Chakraborty, Prabal Kumar; Saha, Partha; et al.

INTERNATIONAL JOURNAL OF PHARMACEUTICS Volume: 473 Issue: 1-2 Pages: 636-643 Published: OCT 1 2014

5,987. NEW HYPERON EQUATIONS OF STATE FOR SUPERNOVAE AND NEUTRON STARS IN DENSITY-DEPENDENT HADRON FIELD THEORY

By: Banik, Sarmistha; Hempel, Matthias; Bandyopadhyay, Debades

ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 214 Issue: 2 Article Number: 22

Published: OCT 2014

5,988. Computational modeling of photoacoustic signals from mixtures of melanoma and red blood cells

By: Saha, Ratan K.

JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 136 Issue: 4 Pages: 2039-2049

Published: OCT 2014

5,989. Upgrade of the CMS muon system with triple-GEM detectors

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: C10036 Published: OCT 2014

5,990. Description and performance of track and primary-vertex reconstruction with the CMS tracker

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P10009 Published: OCT 2014

5,991. Performance simulation of a MRPC-based PET imaging system

By: Roy, A.; Banerjee, A.; Biswas, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: C10030 Published: OCT 2014

5,992. Mutant huntingtin replaces Gab1 and interacts with C-terminal SH3 domain of growth factor receptor binding protein 2 (Grb2)

By: Baksi, Shounak; Basu, Sreetama; Mukhopadhyay, Debashis

NEUROSCIENCE RESEARCH Volume: 87 Pages: 77-83 Published: OCT 2014

5,993. Possibility of adiabatic transport of a Majorana edge state through an extended gapless region

By: Rajak, Atanu; Nag, Tanay; Dutta, Amit

PHYSICAL REVIEW E Volume: 90 Issue: 4 Article Number: 042107 Published: OCT 3 2014

5,994. 'Quantum hairs' and entropy of the quantum isolated horizon from Chern-Simons theory

By: Majhi, Abhishek; Majumdar, Parthasarathi

CLASSICAL AND QUANTUM GRAVITY Volume: 31 Issue: 19 Article Number: 195003 Published: OCT 7 2014

5,995. Study of hadronic event-shape variables in multijet final states in pp collisions at root s=7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 087 Published: OCT 14 2014

5,996.60 keV Ar<sup>+</sup>-ion induced modification of microstructural, compositional, and vibrational properties of InSb

By: Datta, D. P.; Garg, S. K.; Satpati, B.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 14 Article Number: 143502 Published: OCT 14 2014

5,997.Event-by-event mean  $p(T)$  fluctuations in pp and Pb-Pb collisions at the LHC

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 10 Article Number: 3077 Published: OCT 15 2014

5,998.Observation of the diphoton decay of the Higgs boson and measurement of its properties

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 10 Article Number: 3076 Published: OCT 15 2014

5,999.Neutral pion production at midrapidity in pp and Pb-Pb collisions at  $\sqrt{s}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 10 Article Number: 3108 Published: OCT 16 2014

6,000.Measurement of the ratio of inclusive jet cross sections using the anti-k(T) algorithm with radius parameters  $R=0.5$  and  $0.7$  in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 7 Article Number: 072006 Published: OCT 16 2014

6,001.Search for the associated production of the Higgs boson with a top-quark pair (vol 9, 087, 2014)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 106 Published: OCT 20 2014

6,002.Understanding the Biosynthesis and Catalytic Activity of Pd, Pt, and Ag Nanoparticles in Hydrogenation and Suzuki Coupling Reactions at the Nano-Bio Interface

By: Das, Sujoy K.; Parandhaman, Thanusu; Pentela, Nagaraju; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 118 Issue: 42 Pages: 24623-24632 Published: OCT 23 2014

6,003.Heat shock factor 1 regulates hsa-miR-432 expression in human cervical cancer cell line

By: Das, Srijit; Bhattacharyya, Nitai Pada

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 453 Issue: 3 Pages: 461-466 Published: OCT 24 2014

6,004.Zipf's law in city size from a resource utilization model

By: Ghosh, Asim; Chatterjee, Arnab; Chakrabarti, Anindya S.; et al.

PHYSICAL REVIEW E Volume: 90 Issue: 4 Article Number: 042815 Published: OCT 27 2014

6,005.CSF Proteomics of Secondary Phase Spinal Cord Injury in Human Subjects: Perturbed Molecular Pathways Post Injury

By: Sengupta, Mohor Biplab; Basu, Mahashweta; Iswarari, Sourav; et al.

PLOS ONE Volume: 9 Issue: 10 Article Number: e110885 Published: OCT 28 2014

6,006.Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 160 Published: OCT 28 2014

6,007.Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at root s=8 TeV by the CMS and TOTEM experiments

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration; CMS Collaboration; TOTEM Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 10 Article Number: 3053 Published: OCT 29 2014

6,008.RS resonance in di-final state production at the LHC to NLO plus PS accuracy

By: Das, Goutam; Mathews, Prakash; Ravindran, V.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 188 Published: OCT 31 2014

6,009.Persistent charge and spin currents in a quantum ring using Green's function technique: Interplay between magnetic flux and spin-orbit interactions

By: Maiti, Santanu K.; Dey, Moumita; Karmakar, S. N.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 64 Pages: 169-177  
Published: NOV 2014

6,010.Magnetic particulate matters in the ashes of few commonly used Indian cigarettes

By: Bhattacharjee, Ashis; Mandal, Haradhan; Roy, Madhusudan; et al.

ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 186 Issue: 11 Pages: 7399-7411  
Published: NOV 2014

6,011.Signal transducer and oxidative stress mediated modulation of phenylpropanoid pathway to enhance rosmarinic acid biosynthesis in fungi elicited whole plant culture of Solenostemon scutellarioides

By: Dewanjee, Saikat; Gangopadhyay, Moumita; Das, Urmi; et al.

ENZYME AND MICROBIAL TECHNOLOGY Volume: 66 Pages: 1-9 Published: NOV 2014

6,012.Specular X-ray reflectivity study of interfacial SiO<sub>2</sub> layer in thermally annealed NiO/Si assembly

By: Mitra, Subarna; Chakraborty, Suvankar; Menon, Krishnakumar S. R.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 117 Issue: 3 Pages: 1185-1190  
Published: NOV 2014

6,013. Contribution of phenylalanine side chain intercalation to the TATA-box binding protein-DNA interaction: molecular dynamics and dispersion-corrected density functional theory studies

By: Mondal, Manas; Mukherjee, Sanchita; Bhattacharyya, Dhananjay

JOURNAL OF MOLECULAR MODELING Volume: 20 Issue: 11 Article Number: 2499 Published: NOV 2014

6,014. ARCEBS-2014: a platform for nuclear and accelerator scientists

By: Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 302 Issue: 2 Pages: 755-757  
Published: NOV 2014

6,015. Ionic liquid-salt based aqueous biphasic system for separation of Cd-109 from silver target

By: Ghosh, Kaustab; Maiti, Moumita; Lahiri, Susanta; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 302 Issue: 2 Pages: 925-930  
Published: NOV 2014

6,016. Separation of Ru-97 from niobium target using PEG based aqueous biphasic systems

By: Datta, Arpita; Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 302 Issue: 2 Pages: 931-937  
Published: NOV 2014

6,017. Comparison on the production of radionuclides in 1.4 GeV proton irradiated LBE targets of different thickness

By: Maiti, Moumita; Ghosh, Kaustab; Mendonca, Tania M.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 302 Issue: 2 Pages: 1003-1011  
Published: NOV 2014

6,018. Study of naturally occurring radioactive material (NORM) in top soil of Punjab State from the North Western part of India

By: Srivastava, Alok; Lahiri, Susanta; Maiti, Moumita; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 302 Issue: 2 Pages: 1049-1052  
Published: NOV 2014

6,019. Convex Arrhenius behaviour in a nematic-isotropic phase transition

By: Dan, K.; Roy, M.; Datta, A.

EPL Volume: 108 Issue: 3 Article Number: 36007 Published: NOV 2014

6,020. Measurement of visible cross sections in proton-lead collisions at  $\sqrt{s(NN)}=5.02$  TeV in van der Meer scans with the ALICE detector

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): Alice Collaboration

JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P11003 Published: NOV 2014

6,021.Comparative Study of the Layered Perovskites  $\text{Pr}(1-x)\text{A}(1+x)\text{CoO}(4)$ , (A = Sr, Ca)  
By: Hassen, Arafa; Krimmel, Alexander; Mandal, Prabhat  
JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 97 Issue: 11 Pages: 3609-3614 Published:  
NOV 2014

6,022.Density content of nuclear symmetry energy from nuclear observables  
By: Agrawal, B. K.  
PRAMANA-JOURNAL OF PHYSICS Volume: 83 Issue: 5 Pages: 695-704 Published: NOV 2014

6,023.Core-crust transition properties of neutron stars within systematically varied extended  
relativistic mean-field model  
By: Sulaksono, A.; Alam, Naosad; Agrawal, B. K.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 23 Issue: 11 Article  
Number: 1450072 Published: NOV 2014

6,024.A microscopic model of ballistic-diffusive crossover  
By: Bagchi, Debarshee; Mohanty, P. K.  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P11025  
Published: NOV 2014

6,025.Three loop HTL perturbation theory at finite temperature and chemical potential  
By: Strickland, Michael; Andersen, Jens O.; Bandyopadhyay, Aritra; et al.  
NUCLEAR PHYSICS A Volume: 931 Pages: 841-845 Published: NOV 2014

6,026.A simple method to obtain the equilibrium solution of Wigner-Boltzmann equation with all  
higher order quantum corrections  
By: Bose, Anirban; Janaki, Mylavarapu S.  
EUROPEAN PHYSICAL JOURNAL B Volume: 87 Issue: 11 Article Number: 259 Published: NOV 3  
2014

6,027.Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron  
Collider  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW C Volume: 90 Issue: 5 Article Number: UNSP 054901 Published: NOV 3 2014

6,028.Self-organized patterns along sidewalls of iron silicide nanowires on Si(110) and their origin  
By: Das, Debolina; Mahato, J. C.; Bisi, Bhaskar; et al.  
APPLIED PHYSICS LETTERS Volume: 105 Issue: 19 Article Number: 191606 Published: NOV 10  
2014

6,029.Beauty production in pp collisions at  $\sqrt{s}=2.76$  TeV measured via semi-electronic decays  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 738 Pages: 97-108 Published: NOV 10 2014

6,030. Search for excited quarks in the gamma plus jet final state in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 738 Pages: 274-293 Published: NOV 10 2014

6,031. Suppression of Upsilon(1S) at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 738 Pages: 361-372 Published: NOV 10 2014

6,032. N-flation in supergravity

By: Das, Kumar; Dutta, Koushik

PHYSICS LETTERS B Volume: 738 Pages: 457-463 Published: NOV 10 2014

6,033. Inert doublet dark matter with an additional scalar singlet and 125 GeV Higgs boson

By: Banik, Amit Dutta; Majumdar, Debasish

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 11 Article Number: 3142 Published: NOV 11 2014

6,034. Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at  $\sqrt{s}=7$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 11 Article Number: 3129 Published: NOV 12 2014

6,035. Substrate Induced Symmetry Breaking in Penta-twinned Gold Nanorod Probed by Free Electron Impact

By: Das, Pabitra; Chini, Tapas Kumar

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 118 Issue: 45 Pages: 26284-26291 Published: NOV 13 2014

6,036. Equation of state of nuclear matter from empirical constraints

By: Alam, N.; Agrawal, B. K.; De, J. N.; et al.

PHYSICAL REVIEW C Volume: 90 Issue: 5 Article Number: 054317 Published: NOV 14 2014

6,037. Thermal conductivity due to phonons in the core of superfluid neutron stars

By: Manuel, Cristina; Sarkar, Sreemoyee; Tolos, Laura

PHYSICAL REVIEW C Volume: 90 Issue: 5 Article Number: 055803 Published: NOV 18 2014

6,038. Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV



By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 9 Article Number: 092007 Published: NOV 21 2014

6,039.Characterization of Unfolding Mechanism of Human Lamin A Ig Fold by Single-Molecule Force Spectroscopy-Implications in EDMD

By: Bera, Manindra; Kotamarthi, Hema Chandra; Dutta, Subarna; et al.

BIOCHEMISTRY Volume: 53 Issue: 46 Pages: 7247-7258 Published: NOV 25 2014

6,040.Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at root s=8TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 74 Issue: 11 Article Number: 3149 Published: NOV 26 2014

6,041.Search for standard model production of four top quarks in the lepton plus jets channel in pp collisions at root S=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 154 Published: NOV 27 2014

6,042.Defect dynamics in Li substituted nanocrystalline ZnO: A spectroscopic analysis

By: Ghosh, S.; Nambissan, P. M. G.; Thapa, S.; et al.

PHYSICA B-CONDENSED MATTER Volume: 454 Pages: 102-109 Published: DEC 1 2014

6,043.Assessment of thermal stress adaptation by monitoring Hsp70 and MnSOD in the freshwater gastropod, *Bellamya bengalensis* (Lamarck 1882)

By: Dutta, Sangita Maiti; Mustafi, Soumyajit Banerjee; Raha, Sanghamitra; et al.

ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 186 Issue: 12 Pages: 8961-8967 Published: DEC 2014

6,044.R&D on high momentum particle identification with a pressurized Cherenkov radiator

By: Agocs, A. G.; Barile, F.; Barnafoeldi, G. G.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 766 Pages: 92-95 Published: DEC 1 2014

6,045.Search for supersymmetry with razor variables in pp collisions at root s=7 TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 90 Issue: 11 Article Number: 112001 Published: DEC 1 2014

6,046.Effect of Intertip Coupling on the Plasmonic Behavior of Individual Multitipped Gold Nanoflower

By: Maity, Achyut; Maiti, Arpan; Das, Pabitra; et al.

ACS PHOTONICS Volume: 1 Issue: 12 Pages: 1290-1297 Published: DEC 2014

- 6,047. Order to chaos transition studies in a DC glow discharge plasma by using recurrence quantification analysis  
By: Mitra, Vramori; Sarma, Arun; Janaki, M. S.; et al.  
CHAOS SOLITONS & FRACTALS Volume: 69 Pages: 285-293 Published: DEC 2014
- 6,048. CFT/gravity correspondence on the isolated horizon  
By: Ghosh, Amit; Pranzetti, Daniele  
NUCLEAR PHYSICS B Volume: 889 Pages: 1-24 Published: DEC 2014
- 6,049. Self-organised criticality in stochastic sandpiles: Connection to directed percolation  
By: Basu, Urna; Mohanty, P. K.  
EPL Volume: 108 Issue: 6 Article Number: 60002 Published: DEC 2014
- 6,050. Lys-413 of S-phase mRNA cycling sequence binding protein from *Leishmania donovani* (LdCSBP) is modified through monoubiquitination that is responsible for inhibition of its ribonuclease activity  
By: Guha, Kasturi; Das, Sneha; Saha, Partha  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 51 Issue: 6 Special Issue: SI Pages: 559-566 Published: DEC 2014
- 6,051. Identification techniques for highly boosted W bosons that decay into hadrons  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 017 Published: DEC 2 2014
- 6,052. Modulation of Non Steroidal Anti-Inflammatory Drug Induced Membrane Fusion by Copper Coordination of These Drugs: Anchoring Effect  
By: Majumdar, Anupa; Chakraborty, Sreeja; Sarkar, Munna  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 118 Issue: 48 Pages: 13785-13799 Published: DEC 4 2014
- 6,053. Measurement of Prompt D-Meson Production in p-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 113 Issue: 23 Article Number: 232301 Published: DEC 4 2014
- 6,054. Exclusive J/psi Photoproduction off Protons in Ultrapерipheral p-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Abelev, B.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 113 Issue: 23 Article Number: 232504 Published: DEC 5 2014
- 6,055. Large exchange bias and magnetocaloric effect in TbMn<sub>2</sub>Si<sub>2</sub>  
By: Maji, Bibekananda; Ray, Mayukh K.; Suresh, K. G.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 21 Article Number: 213913 Published: DEC 7 2014

6,056. Suppression of  $\psi(2S)$  production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): The ALICE collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Pages: 1-25 Article Number: 073 Published: DEC 10 2014

6,057. Measurement of the  $t(\bar{t})$  production cross section in pp collisions at  $\sqrt{s}=8$  TeV in dilepton final states containing one tau lepton

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 739 Pages: 23-43 Published: DEC 12 2014

6,058. Freeze-out radii extracted from three-pion cumulants in pp, p-Pb and Pb-Pb collisions at the LHC

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 739 Pages: 139-151 Published: DEC 12 2014

6,059. Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 739 Pages: 229-249 Published: DEC 12 2014

6,060. Giant magnetocaloric effect in ferromagnetic superconductor  $\text{RuSr}_2\text{GdCu}_2\text{O}_8$

By: Midya, A.; Mandal, P.

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 22 Article Number: 223905 Published: DEC 14 2014

6,061. Preface for the Theme Issue on "Surface X-ray and Neutron Scattering"

By: Sanyal, Milan K.; Gibaud, Alain; Wang, Jin

JOURNAL OF APPLIED PHYSICS Volume: 116 Issue: 22 Article Number: 222101 Published: DEC 14 2014

6,062. Direct experimental evidence of multiferroicity in a nanocrystalline Zener polaron ordered manganite

By: Shukla, Vinay Kumar; Mukhopadhyay, Soumik; Das, Kalipada; et al.

PHYSICAL REVIEW B Volume: 90 Issue: 24 Article Number: 245126 Published: DEC 16 2014

6,063. Nonlinear wave collapse, shock, and breather formation in an electron magnetohydrodynamic plasma

By: Ghosh, Samiran; Chakrabarti, Nikhil

PHYSICAL REVIEW E Volume: 90 Issue: 6 Article Number: 063111 Published: DEC 17 2014

- 6,064. INVESTIGATING BROADBAND VARIABILITY OF THE TeV BLAZAR 1ES 1959+650  
By: Aliu, E.; Archambault, S.; Arlen, T.; et al.  
Group Author(s): VERITAS Collaboration  
ASTROPHYSICAL JOURNAL Volume: 797 Issue: 2 Article Number: 89 Published: DEC 20 2014
- 6,065. Relaxation of Ultrathin Polystyrene Films Hyperswollen in Supercritical Carbon Dioxide  
By: Bal, J. K.; Beuvier, T.; Chebil, M. S.; et al.  
MACROMOLECULES Volume: 47 Issue: 24 Pages: 8738-8747 Published: DEC 23 2014
- 6,066. Searches for heavy Higgs bosons in two-Higgs-doublet models and for  $t \rightarrow ch$  decay using multilepton and diphoton final states in pp collisions at 8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 90 Issue: 11 Article Number: 112013 Published: DEC 23 2014
- 6,067. Oxidation of Rubrene Thin Films: An Electronic Structure Study  
By: Sinha, Sumona; Wang, C. -H.; Mukherjee, M.; et al.  
LANGMUIR Volume: 30 Issue: 51 Pages: 15433-15441 Published: DEC 30 2014
- 6,068. Measurement of Prompt  $\psi(2S)$  to  $J/\psi$ . Yield Ratios in Pb-Pb and p-p Collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 113 Issue: 26 Article Number: 262301 Published: DEC 31 2014
- 6,069. Formation of Monodispersed Films from Size-Selected Copper Nanoclusters  
By: Mondal, Shyamal; Satpati, B.; Bhattacharyya, S. R.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 15 Issue: 1 Pages: 611-615  
Published: JAN 2015
- 6,070. Lipid composition is an important determinant of antimicrobial activity of alpha-melanocyte stimulating hormone  
By: Shireen, Tahsina; Basu, Arnab; Sarkar, Munna; et al.  
BIOPHYSICAL CHEMISTRY Volume: 196 Pages: 33-39 Published: JAN 2015
- 6,071. Synthesis of nanocrystalline CdS thin film by SILAR and their characterization  
By: Mukherjee, A.; Satpati, B.; Bhattacharyya, S. R.; et al.  
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 65 Pages: 51-55 Published: JAN 2015
- 6,072. Promising thermoelectric performance in n-type AgBiSe<sub>2</sub>: effect of aliovalent anion doping  
By: Guin, Satya N.; Srihari, Velaga; Biswas, Kanishka  
JOURNAL OF MATERIALS CHEMISTRY A Volume: 3 Issue: 2 Pages: 648-655 Published: 2015

6,073. Poor solvent and thermal annealing induced ordered crystallites in poly(3-dodecylthiophene) films

By: Roy, I.; Hazra, S.

RSC ADVANCES Volume: 5 Issue: 1 Pages: 665-675 Published: 2015

6,074. ZnS nanoparticle decorated ZnO nanowall network: investigation through electron microscopy and secondary ion mass spectrometry

By: Bayan, Sayan; Satpati, Biswarup; Chakraborty, Purushottam

SURFACE AND INTERFACE ANALYSIS Volume: 47 Issue: 1 Pages: 37-44 Published: JAN 2015

6,075. Intermolecular disulfide bond formation promotes immunoglobulin aggregation: Investigation by fluorescence correlation spectroscopy

By: Nag, Moupriya; Bera, Kallol; Basak, Soumen

PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 83 Issue: 1 Pages: 169-177  
Published: JAN 2015

6,076. Super-roughening scaling behaviour of Si surface morphology at grazing incidence low energy ion beam sputtering

By: Chowdhury, Debasree; Ghose, Debabrata

APPLIED SURFACE SCIENCE Volume: 324 Pages: 517-524 Published: JAN 1 2015

6,077. Association of a Zn<sup>2+</sup> containing metallo beta-lactamase with the anticancer antibiotic mithramycin

By: Lahiri, Shibojyoti; Panja, Amrita; Dasgupta, Dipak

JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 142 Pages: 75-83 Published: JAN 2015

6,078. Study of two-spin entanglement in singlet states

By: Lone, M. Q.; Dey, A.; Yarlagadda, S.

SOLID STATE COMMUNICATIONS Volume: 202 Pages: 73-77 Published: JAN 2015

6,079. A conserved tryptophan (W91) at the barrel-lid junction modulates the packing and stability of Kunitz (STI) family of inhibitors

By: Majumder, Sudip; Khamrui, Susmita; Banerjee, Ramanuj; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1854 Issue: 1 Pages: 55-64  
Published: JAN 2015

6,080. A case study of photo induced electron transfer between riboflavin and aliphatic amine:

Deciphering different mechanisms of ET operating from femtosecond to microsecond time domain

By: Sengupta, Chaitrali; Sarangi, Manas Kumar; Sau, Abhishek; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 296 Pages: 25-34  
Published: JAN 1 2015

6,081. Influence of microheterogeneity on the solution phase photophysics of a newly synthesised, environment sensitive fluorophore 2-((7,8-dimethyl-1-oxo-2,3,4,9-tetrahydro-1H-carbazol-6-yl)oxy)acetic acid and its tagged derivative

By: Mitra, Amrit Krishna; Ghosh, Sujay; Sarangi, Manas Kumar; et al.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 296 Pages: 66-79  
Published: JAN 1 2015

6,082.Measurement of yield of residues produced in C-12+Y-nat reaction and subsequent separation of Ru-97 from Y target using cation exchange resin

By: Maiti, Moumita; Lahiri, Susanta

RADIOCHIMICA ACTA Volume: 103 Issue: 1 Pages: 7-13 Published: JAN 2015

6,083.Biosorption of Cadmium by Waste Shell Dust of Fresh Water Mussel *Lamellidens marginalis*: Implications for Metal Bioremediation

By: Hossain, Asif; Bhattacharyya, Satya Ranjan; Aditya, Gautam

ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 3 Issue: 1 Pages: 1-8 Published: JAN 2015

6,084.MULTI-FREQUENCY, MULTI-EPOCH STUDY OF Mrk 501: HINTS FOR A TWO-COMPONENT NATURE OF THE EMISSION

By: Shukla, A.; Chitnis, V. R.; Singh, B. B.; et al.

ASTROPHYSICAL JOURNAL Volume: 798 Issue: 1 Article Number: 2 Published: JAN 1 2015

6,085.Bi-stable resistive switching in an array of Cu/Cu<sub>x</sub>O/Au nanowires

By: Gayen, Sirshendu; Sanyal, Milan K.; Sarma, Abhisakh; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 118 Issue: 1 Pages: 119-124

Published: JAN 2015

6,086.Generic nonequilibrium steady states in an exclusion process on an inhomogeneous ring

By: Banerjee, Tirthankar; Sarkar, Niladri; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P01024

Published: JAN 2015

6,087.Asymmetric exclusion processes on a closed network with bottlenecks

By: Chatterjee, Rakesh; Chandra, Anjan Kumar; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P01012

Published: JAN 2015

6,088.Nanoscale interface engineering in ZnO twin nanorods for proposed phonon tunnel devices

By: Singh, Avanendra; Senapati, Kartik; Satpati, Biswarup; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 6 Pages: 4277-4282 Published: 2015

6,089.Multiwavelength observations of Mrk 501 in 2008

By: Aleksic, J.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; VERITAS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 573 Article Number: A50 Published: JAN 2015

6,090.H<sub>2</sub>CO<sub>3</sub> -> CO<sub>2</sub> + H<sub>2</sub>O decomposition in the presence of H<sub>2</sub>O, HCOOH, CH<sub>3</sub>COOH, H<sub>2</sub>SO<sub>4</sub> and HO<sub>2</sub> radical: instability of the gas-phase H<sub>2</sub>CO<sub>3</sub> molecule in the troposphere and lower stratosphere

By: Ghoshal, Sourav; Harzra, Montu K.

RSC ADVANCES Volume: 5 Issue: 23 Pages: 17623-17635 Published: 2015

6,091.Synthesis of NiCo<sub>2</sub>O<sub>4</sub>/Nano-ZSM-5 nanocomposite material with enhanced electrochemical properties for the simultaneous determination of ascorbic acid, dopamine, uric acid and tryptophan

By: Kaur, Balwinder; Satpati, Biswarup; Srivastava, Rajendra

NEW JOURNAL OF CHEMISTRY Volume: 39 Issue: 2 Pages: 1115-1124 Published: 2015

6,092.Differential proteomics study of platelets in asymptomatic constitutional macrothrombocytopenia: altered levels of cytoskeletal proteins

By: Karmakar, Shilpita; Saha, Sutapa; Banerjee, Debasis; et al.

EUROPEAN JOURNAL OF HAEMATOLOGY Volume: 94 Issue: 1 Pages: 43-50 Published: JAN 2015

6,093.Structural interpretation, growth mechanism and optical properties of ZnO nanorods synthesized by a simple wet chemical route

By: Kundu, Samapti; Sain, Sumanta; Satpati, Biswarup; et al.

RSC ADVANCES Volume: 5 Issue: 29 Pages: 23101-23113 Published: 2015

6,094.Synthesis, characterization and optical properties of ligand-protected indium nanoparticles

By: George, Anu; Choudhary, Harish K.; Satpati, Biswarup; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 11 Pages: 7109-7113 Published: 2015

6,095.Mesoporous materials: versatile supports in heterogeneous catalysis for liquid phase catalytic transformations

By: Pal, Nabanita; Bhaumik, Asim

RSC ADVANCES Volume: 5 Issue: 31 Pages: 24363-24391 Published: 2015

6,096.The effect of artificial grain boundaries on magneto-transport properties of charge ordered-ferromagnetic nanocomposites

By: Das, Kalipada; Satpati, B.; Das, I.

RSC ADVANCES Volume: 5 Issue: 35 Pages: 27338-27346 Published: 2015

6,097.Effect of pressure on the magnetic and superconducting transitions of GdFe<sub>1-x</sub>CoxAsO (x=0, 0.1, 1) compounds

By: Selvan, G. Kalai; Bhoi, D.; Arumugam, S.; et al.

SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 28 Issue: 1 Article Number: 015009

Published: JAN 2015

6,098.Nanocrystalline ZSM-5 based bi-functional catalyst for two step and three step tandem reactions

By: Srivastava, Rajendra; Sarmah, Bhaskar; Satpati, Biswarup

RSC ADVANCES Volume: 5 Issue: 33 Pages: 25998-26006 Published: 2015

6,099.Nonlinear interaction of electron acoustic waves with Langmuir waves in presence of magnetic field in plasmas

By: Dutta, Manjistha; Khan, Manoranjan; Chakrabarti, Nikhil

6,100. A comparative study on the structural, optical and magnetic properties of Fe<sub>3</sub>O<sub>4</sub> and Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub> core-shell microspheres along with an assessment of their potentiality as electrochemical double layer capacitors

By: Majumder, S.; Dey, S.; Bagani, K.; et al.

DALTON TRANSACTIONS Volume: 44 Issue: 16 Pages: 7190-7202 Published: 2015

6,101. Solvent dependent ordering of poly(3-dodecylthiophene) in thin films

By: Roy, I.; Hazra, S.

SOFT MATTER Volume: 11 Issue: 18 Pages: 3724-3732 Published: 2015

6,102. Structural and electrochemical analysis of a novel co-electrodeposited Mn<sub>2</sub>O<sub>3</sub>-Au nanocomposite thin film

By: Jana, S. K.; Saha, B.; Satpati, B.; et al.

DALTON TRANSACTIONS Volume: 44 Issue: 19 Pages: 9158-9169 Published: 2015

6,103. Suppression of protein aggregation by gold nanoparticles: a new way to store and transport proteins

By: Das, Anindita; Chakrabarti, Abhijit; Das, Puspendu K.

RSC ADVANCES Volume: 5 Issue: 48 Pages: 38558-38570 Published: 2015

6,104. Insight into the mechanism revealing the peroxidase mimetic catalytic activity of quaternary CuZnFeS nanocrystals: colorimetric biosensing of hydrogen peroxide and glucose

By: Dalui, Amit; Pradhan, Bapi; Thupakula, Umamahesh; et al.

NANOSCALE Volume: 7 Issue: 19 Pages: 9062-9074 Published: 2015

6,105. Enhancement of photoluminescence emission and anomalous photoconductivity properties of Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub> core-shell microspheres

By: Jana, S. K.; Majumder, S.; Satpati, B.; et al.

RSC ADVANCES Volume: 5 Issue: 47 Pages: 37729-37736 Published: 2015

6,106. Highly efficient electromagnetic interference shielding using graphite nanoplatelet/poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) composites with enhanced thermal conductivity

By: Agnihotri, Nidhi; Chakrabarti, Kuntal; De, Amitabha

RSC ADVANCES Volume: 5 Issue: 54 Pages: 43765-43771 Published: 2015

6,107. Magnetic and magnetocaloric properties of Dy<sub>5</sub>Pd<sub>2</sub>: role of magnetic irreversibility

By: Paramanik, Tapas; Samanta, Tapas; Ranganathan, R.; et al.

RSC ADVANCES Volume: 5 Issue: 59 Pages: 47860-47865 Published: 2015

6,108. Ultratrace detection of toxic heavy metal ions found in water bodies using hydroxyapatite supported nanocrystalline ZSM-5 modified electrodes

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup



NEW JOURNAL OF CHEMISTRY Volume: 39 Issue: 7 Pages: 5137-5149 Published: 2015

6,109. Silver nanoparticle decorated polyaniline-zeolite nanocomposite material based non-enzymatic electrochemical sensor for nanomolar detection of lindane

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup

RSC ADVANCES Volume: 5 Issue: 71 Pages: 57657-57665 Published: 2015

6,110. Unusual denaturation trajectory of bovine gamma globulin studied by fluorescence correlation spectroscopy

By: Nag, Moupriya; Das, Debajyoti; Bandyopadhyay, Diptankar; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 29 Pages: 19139-19148 Published: 2015

6,111. Cr<sup>3+</sup>-substitution induced structural reconfigurations in the nanocrystalline spinel compound ZnFe<sub>2</sub>O<sub>4</sub> as revealed from X-ray diffraction, positron annihilation and Mossbauer spectroscopic studies

By: Thankachan, Rahul Mundiyaniyil; Cyriac, Jincemon; Raneesh, B.; et al.

RSC ADVANCES Volume: 5 Issue: 80 Pages: 64966-64975 Published: 2015

6,112. pH-dependent size and structural transition in P123 micelle induced gold nanoparticles

By: Chatterjee, P.; Hazra, S.

RSC ADVANCES Volume: 5 Issue: 85 Pages: 69765-69775 Published: 2015

6,113. A spectroscopic study to decipher the mode of interaction of some common acridine derivatives with CT DNA within nanosecond and femtosecond time domains

By: Sengupta, Chaitrali; Basu, Samita

RSC ADVANCES Volume: 5 Issue: 95 Pages: 78160-78171 Published: 2015

6,114. Highly efficient photocatalytic degradation of organic dyes by Cu doped ZnO nanostructures

By: Kuriakose, Sini; Satpati, Biswarup; Mohapatra, Satyabrata

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 38 Pages: 25172-25181 Published: 2015

6,115. Resistivity minima in the disordered cluster glass intermetallic compound Dy<sub>5</sub>Pd<sub>2</sub>: influence of quantum interference effects

By: Paramanik, Tapas; Das, I.

RSC ADVANCES Volume: 5 Issue: 96 Pages: 78406-78413 Published: 2015

6,116. Stable room temperature magnetic ordering and excellent catalytic activity of mechanically activated high surface area nanosized Ni<sub>0.45</sub>Zn<sub>0.55</sub>Fe<sub>2</sub>O<sub>4</sub>

By: Dey, S.; Gomes, R.; Mondal, R.; et al.

RSC ADVANCES Volume: 5 Issue: 96 Pages: 78508-78518 Published: 2015

6,117. The role of N7 protonation of guanine in determining the structure, stability and function of RNA base pairs

By: Haider, Antarip; Bhattacharya, Sohini; Datta, Ayan; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 39 Pages: 26249-26263 Published: 2015

6,118.A highly efficient non-enzymatic glucose biosensor based on a nanostructured NiTiO<sub>3</sub>/NiO material

By: Pal, Nabanita; Saha, Barnamala; Kundu, Sudipta K.; et al.

NEW JOURNAL OF CHEMISTRY Volume: 39 Issue: 10 Pages: 8035-8043 Published: 2015

6,119.Aqueous biphasic separation of Ru-97 and Tc-95,Tc-96 from yttrium

By: Maiti, Moumita; Datta, Arpita; Lahiri, Susanta

RSC ADVANCES Volume: 5 Issue: 99 Pages: 80919-80924 Published: 2015

6,120.Spectroscopic exploration of drug-protein interaction: a study highlighting the dependence of the magnetic field effect on inter-radical separation distance formed during photoinduced electron transfer

By: Chakraborty, Brotati; Mitra, Piyali; Basu, Samita

RSC ADVANCES Volume: 5 Issue: 99 Pages: 81533-81545 Published: 2015

6,121.Multifaceted core-shell nanoparticles: superparamagnetism and biocompatibility

By: Sardar, Debasmita; Neogi, S. K.; Bandyopadhyay, S.; et al.

NEW JOURNAL OF CHEMISTRY Volume: 39 Issue: 11 Pages: 8513-8521 Published: 2015

6,122.Piroxicam, a traditional non-steroidal anti-inflammatory drug (NSAID) causes apoptosis by ROS mediated Akt activation

By: Rai, Neha; Sarkar, Munna; Raha, Sanghamitra

Pharmacological Reports Volume: 67 Issue: 6 Pages: 1215-1223 Published: 2015

6,123.Selective separation of Eu-152 from a mixture of Eu-152 and Cs-137 using a chitosan based hydrogel

By: Maity, Santu; Datta, Arpita; Lahiri, Susanta; et al.

RSC Advances Volume: 5 Issue: 109 Pages: 89338-89345 Published: 2015

6,124.Malachite green interacts with the membrane skeletal protein, spectrin

By: Patra, Malay; Mukhopadhyay, Chaitali; Chakrabarti, Abhijit

RSC ADVANCES Volume: 5 Issue: 111 Pages: 91166-91176 Published: 2015

6,125.Electrochemical Ostwald ripening and surface diffusion in the galvanic displacement reaction: control over particle growth

By: Ghosh, Tapas; Karmakar, Prasanta; Satpati, Biswarup

RSC Advances Volume: 5 Issue: 114 Pages: 94380-94387 Published: 2015

6,126.A novel gold nanoparticle decorated nanocrystalline zeolite based electrochemical sensor for the nanomolar simultaneous detection of cysteine and glutathione

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup

RSC ADVANCES Volume: 5 Issue: 115 Pages: 95028-95037 Published: 2015

6,127.Strong memory effect at room temperature in nanostructured granular alloy  $\text{Co}_0.3\text{Cu}_0.7$

By: Dhara, S.; Chowdhury, R. Roy; Bandyopadhyay, B.

RSC ADVANCES Volume: 5 Issue: 116 Pages: 95695-95702 Published: 2015

6,128.Facile synthesis of composition and morphology modulated quaternary  $\text{CuZnFeS}$  colloidal nanocrystals for photovoltaic application

By: Dalui, Amit; Khan, Ali Hossain; Pradhan, Bapi; et al.

RSC ADVANCES Volume: 5 Issue: 118 Pages: 97485-97494 Published: 2015

6,129.Oxidation behaviour of copper nanofractals produced by soft-landing of size-selected nanoclusters

By: Mondal, Shyamal; Bhattacharyya, S. R.

RSC ADVANCES Volume: 5 Issue: 120 Pages: 99425-99430 Published: 2015

6,130.Role of Zn-interstitial defect states on  $d(0)$  ferromagnetism of mechanically milled  $\text{ZnO}$  nanoparticles

By: Ghose, Srabantika; Rakshit, Tamita; Ranganathan, R.; et al.

RSC ADVANCES Volume: 5 Issue: 121 Pages: 99766-99774 Published: 2015

6,131.A supramolecular hydrogel for generation of a benign DNA-hydrogel

By: Dey, B.; Mondal, R. K.; Mukherjee, S.; et al.

RSC ADVANCES Volume: 5 Issue: 128 Pages: 105961-105968 Published: 2015

6,132.Defects in Erythrocyte Membrane Skeletal Architecture

By: Basu, Avik; Chakrabarti, Abhijit

BIOCHEMICAL ROLES OF EUKARYOTIC CELL SURFACE MACROMOLECULES Book Series: Advances in Experimental Medicine and Biology Volume: 842 Pages: 41-59 Published: 2015

6,133.Crystal Structure of Apo and Ligand Bound *Vibrio cholerae* Ribokinase (Vc-RK): Role of Monovalent Cation Induced Activation and Structural Flexibility in Sugar Phosphorylation

By: Paul, Rakhi; Patra, Madhumita Dandopath; Sen, Udayaditya

BIOCHEMICAL ROLES OF EUKARYOTIC CELL SURFACE MACROMOLECULES Book Series: Advances in Experimental Medicine and Biology Volume: 842 Pages: 293-307 Published: 2015

6,134.Chaperone protein HYPK interacts with the first 17 amino acid region of Huntingtin and modulates mutant HTT-mediated aggregation and cytotoxicity

By: Choudhury, Kamalika Roy; Bhattacharyya, Nitai P.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 456 Issue: 1 Pages: 66-73 Published: JAN 2 2015

6,135.Millimeterwave rotational spectrum and theoretical calculations of cis-propionic acid

By: Jaman, A. I.; Chakraborty, Shamik; Chakraborty, Rangana

JOURNAL OF MOLECULAR STRUCTURE Volume: 1079 Pages: 402-406 Published: JAN 5 2015

6,136. Search for new resonances decaying via  $WZ$  to leptons in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 740 Pages: 83-104 Published: JAN 5 2015

6,137. Production of inclusive  $\Upsilon(1S)$  and  $\Upsilon(2S)$  in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 740 Pages: 105-117 Published: JAN 5 2015

6,138. Measurement of the  $pp \rightarrow ZZ$  production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Collaboration, CMS

PHYSICS LETTERS B Volume: 740 Pages: 250-272 Published: JAN 5 2015

6,139. Search for new physics in events with same-sign dileptons and jets in pp collisions at  $\sqrt{s}=8$  TeV (vol 01, pg 163, 2014)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: UNSP 014 Published: JAN 7 2015

6,140. Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at  $\sqrt{s}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration; ALICE Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 1 Article Number: 012001 Published: JAN 7 2015

6,141. Nondecoupling of charged scalars in Higgs decay to two photons and symmetries of the scalar potential

By: Bhattacharyya, Gautam; Das, Dipankar

PHYSICAL REVIEW D Volume: 91 Issue: 1 Article Number: 015005 Published: JAN 7 2015

6,142. Thermal fluctuations and stiffening of symmetric heterogeneous fluid membranes

By: Banerjee, Tirthankar; Basu, Abhik

PHYSICAL REVIEW E Volume: 91 Issue: 1 Article Number: 012119 Published: JAN 9 2015

6,143. Velocity-induced neutrino oscillation and its possible implications for long baseline neutrinos

By: Banik, Amit Dutta; Majumdar, Debasish

MODERN PHYSICS LETTERS A Volume: 30 Issue: 1 Article Number: 1550001 Published: JAN 10 2015

6,144. Production of  $\Sigma(1385)(+/-)$  and  $\Xi(1530)(0)$  in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 1 Article Number: 1 Published: JAN 10 2015

6,145. Interpolating solution from AdS(5) to hyperscaling violating Lifshitz spacetime

By: Dey, Parijat; Roy, Shibaji

PHYSICAL REVIEW D Volume: 91 Issue: 2 Article Number: 026005 Published: JAN 12 2015

6,146. Strain modulated large magnetocaloric effect in Sm<sub>0.55</sub>Sr<sub>0.45</sub>MnO<sub>3</sub> epitaxial films

By: Giri, S. K.; Dasgupta, Papri; Poddar, A.; et al.

APPLIED PHYSICS LETTERS Volume: 106 Issue: 2 Article Number: 023507 Published: JAN 12 2015

6,147. Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 053 Published: JAN 12 2015

6,148. Measurement of the ratio of the production cross sections times branching fractions of  $B_c(+/-) \rightarrow J/\psi \pi(+/-)$  and  $B_{c\bar{c}} \rightarrow J/\psi K_{\bar{c}}$  and  $B(B_c(+/-) \rightarrow J/\psi \pi(+/-)\pi(+/-)\pi(-/+))/B(B_c(+/-) \rightarrow J/\psi \pi(+/-))$  in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 063 Published: JAN 13 2015

6,149. Non-enzymatic electrochemical detection of cholesterol using beta-cyclodextrin functionalized graphene

By: Agnihotri, Nidhi; Chowdhury, Ankan Dutta; De, Amitabha

BIOSENSORS & BIOELECTRONICS Volume: 63 Pages: 212-217 Published: JAN 15 2015

6,150. Synthesis, characterization and magnetic properties of Co<sub>x</sub>Cu<sub>1-x</sub> (x similar to 0.01-0.3) granular alloys

By: Dhara, S.; Chowdhury, R. Roy; Lahiri, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 374 Pages: 647-654 Published: JAN 15 2015

6,151. Large magnetocaloric effect in Ln(0.5)Ca(0.5)MnO(3) (Ln=Gd, Dy) compounds: Consequence of magnetic precursor effect of rare earth ions

By: Das, Kalipada; Paramanik, Tapas; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 374 Pages: 707-710 Published: JAN 15 2015

6,152. Oxidative Tearing of Graphene Sheets: Insights into the Probable Situations by Computational and Experimental Studies

By: Ray, Angana; Bagani, Kousik; Banerjee, Sangam; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 2 Pages: 951-959 Published: JAN 15 2015

6,153. *Abroma augusta* L. (Malvaceae) leaf extract attenuates diabetes induced nephropathy and cardiomyopathy via inhibition of oxidative stress and inflammatory response

By: Khanra, Ritu; Dewanjee, Saikat; Dua, Tarun K.; et al.

Journal of Translational Medicine Volume: 13 Article Number: 6 Published: JAN 16 2015

6,154. Search for disappearing tracks in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 096 Published: JAN 19 2015

6,155. Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 1 Published: JAN 20 2015

6,156. Production cross sections for intermediate mass fragments from dynamical and statistical decay of projectile-like fragments in Sn-124+Ni-64 and Sn-112+Ni-58 collisions at 35 A MeV

By: Russotto, P.; De Filippo, E.; Pagano, A.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 1 Article Number: 014610 Published: JAN 21 2015

6,157. Probing Conformational Stability and Dynamics of Erythroid and Nonerythroid Spectrin: Effects of Urea and Guanidine Hydrochloride

By: Patra, Malay; Mukhopadhyay, Chaitali; Chakrabarti, Abhijit

PLOS ONE Volume: 10 Issue: 1 Article Number: e0116991 Published: JAN 24 2015

6,158. Statistical mechanics of competitive resource allocation using agent-based models

By: Chakraborti, Anirban; Challet, Damien; Chatterjee, Arnab; et al.

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 552 Pages: 1-25 Published: JAN 25 2015

6,159. Probing the light radion through diphotons at the Large Hadron Collider

By: Bhattacharya, Satyaki; Frank, Mariana; Huitu, Katri; et al.

PHYSICAL REVIEW D Volume: 91 Issue: 1 Article Number: 016008 Published: JAN 26 2015

6,160. Synthesis of Chiral, Crystalline Au-Nanoflower Catalyst Assisting Conversion of Rhodamine-B to Rhodamine-110 and a Single-Step, One-Pot, Eco-Friendly Reduction of Nitroarenes

By: Bera, Kallol; Ghosh, Tanmay; Basak, Soumen

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 4 Pages: 1800-1808 Published: JAN 29 2015

6,161. Observation of a rare cosmic ray event at mountain altitude

By: Basu, Basudhara; Raha, Sibaji; Saha, Swapan K.; et al.

ASTROPARTICLE PHYSICS Volume: 61 Pages: 88-92 Published: FEB 2015

6,162. Association of antitumor antibiotic Mithramycin with  $Mn^{2+}$  and the potential cellular targets of Mithramycin after association with  $Mn^{2+}$

By: Dutta, Shreyasi; Lahiri, Shibojyoti; Banerjee, Amrita; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 33 Issue: 2 Pages: 434-446

Published: FEB 1 2015

6,163. Room Temperature Ion-Beam-Induced Recrystallization and Large Scale Nanopatterning

By: Satpati, Biswarup; Ghosh, Tanmay

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 15 Issue: 2 Pages: 1162-1170

Published: FEB 2015

6,164. Synthesis of Nano-Crystalline Materials in Open-Air Laboratory: A Case Study of Tobacco

By: Satpati, Biswarup; Bhattacharjee, Ashis; Roy, Madhusudan

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 15 Issue: 2 Pages: 1362-1367

Published: FEB 2015

6,165. An Inducible and Secreted Eukaryote-Like Serine/Threonine Kinase of *Salmonella enterica* Serovar Typhi Promotes Intracellular Survival and Pathogenesis

By: Theeya, Nagaraja; Ta, Atri; Das, Sayan; et al.

INFECTION AND IMMUNITY Volume: 83 Issue: 2 Pages: 522-533 Published: FEB 2015

6,166. Fluorescence resonance energy transfer and surface Plasmon resonance induced enhanced photoluminescence and photoconductivity property of Au-TiO<sub>2</sub> metal-semiconductor nanocomposite

By: Majumder, S.; Jana, S. K.; Bagani, K.; et al.

OPTICAL MATERIALS Volume: 40 Pages: 97-101 Published: FEB 2015

6,167. Growth of antiferromagnetically ordered Cr monolayer on Ag(100)

By: Das, Jayanta; Kundu, Asish K.; Menon, Krishnakumar S. R.

VACUUM Volume: 112 Pages: 5-11 Published: FEB 2015

6,168. Multivariable optimization: Quantum annealing and computation

By: Mukherjee, S.; Chakrabarti, B. K.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 224 Issue: 1 Pages: 17-24 Published: FEB

2015

6,169. Thermally driven classical Heisenberg chain with a spatially varying magnetic field: thermal rectification and negative differential thermal resistance

By: Bagchi, Debarshee

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P02015

Published: FEB 2015

6,170. Synchronization between two coupled direct current glow discharge plasma sources

By: Chaubey, Neeraj; Mukherjee, S.; Iyengar, A. N. Sekar; et al.

PHYSICS OF PLASMAS Volume: 22 Issue: 2 Article Number: 022312 Published: FEB 2015

6,171. Investigation and quantification of nonlinearity using surrogate data in a glow discharge plasma  
By: Saha, Debajyoti; Shaw, Pankaj Kumar; Ghosh, Sabuj; et al.  
PHYSICS OF PLASMAS Volume: 22 Issue: 2 Article Number: 022307 Published: FEB 2015

6,172. Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: UNSP P02006 Published: FEB 2015

6,173. TEM and XPS studies on the faceted nanocrystals of Ce<sub>0.8</sub>Zr<sub>0.2</sub>O<sub>2</sub>  
By: Prusty, Debadutta; Pathak, Abhishek; Mukherjee, Manabendra; et al.  
MATERIALS CHARACTERIZATION Volume: 100 Pages: 31-35 Published: FEB 2015

6,174. Beta catenin is degraded by both caspase-3 and proteasomal activity during resveratrol-induced apoptosis in He. La cells in a GSK3 beta-independent manner  
By: Ray, Mahan; Rai, Neha; Jana, Kuladip; et al.  
INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS Volume: 52 Issue: 1 Pages: 7-13 Published: FEB 2015

6,175. Origin of cluster spin glass and nuclear Schottky anomaly in Mn<sub>50</sub>Ni<sub>38.5</sub>Sn<sub>11.5</sub> alloy  
By: Ray, Mayukh K.; Bagani, K.; Mukhopadhyay, P. K.; et al.  
EPL Volume: 109 Issue: 4 Article Number: 47006 Published: FEB 2015

6,176. Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 114 Issue: 5 Article Number: 051801 Published: FEB 2 2015

6,177. (Super) Yang-Mills at finite heavy-quark density  
By: Faedo, Anton F.; Kundu, Arnab; Mateos, David; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 010 Published: FEB 2 2015

6,178. Vector meson spectral function and dilepton production rate in a hot and dense medium within an effective QCD approach  
By: Islam, Chowdhury Aminul; Majumder, Sarbani; Haque, Najmul; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 011 Published: FEB 2 2015

6,179. Space-like Dp branes: accelerating cosmologies versus conformally de Sitter space-time  
By: Nayek, Kuntal; Roy, Shibaji  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 021 Published: FEB 3 2015



6,180.Plant Alkaloid Chelerythrine Induced Aggregation of Human Telomere Sequence-A Unique Mode of Association between a Small Molecule and a Quadruplex

By: Ghosh, Saptarni; Jana, Jagannath; Kar, Rajiv K.; et al.

BIOCHEMISTRY Volume: 54 Issue: 4 Pages: 974-986 Published: FEB 3 2015

6,181.Inflationary constraints on modulus dominated cosmology

By: Dutta, Koushik; Maharana, Anshuman

PHYSICAL REVIEW D Volume: 91 Issue: 4 Article Number: 043503 Published: FEB 4 2015

6,182.Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at root s=7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A. .; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 741 Pages: 12-37 Published: FEB 4 2015

6,183.Multiplicity dependence of jet-like two-particle correlation structures in p-Pb collisions at root s(NN)=5.02 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 741 Pages: 38-50 Published: FEB 4 2015

6,184.Scaling ansatz with texture zeros in linear seesaw

By: Chakraborty, Mainak; Devi, H. Zeen; Ghosal, Ambar

PHYSICS LETTERS B Volume: 741 Pages: 210-216 Published: FEB 4 2015

6,185.Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 2 Article Number: 66 Published: FEB 10 2015

6,186.Ground and Excited State Proton Transfer of the Bioactive Plant Flavonol Robinetin in a Protein Environment: Spectroscopic and Molecular Modeling Studies

By: Pahari, Biswa Pathik; Chaudhuri, Sudip; Chakraborty, Sandipan; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 119 Issue: 6 Special Issue: SI Pages: 2533-2545

Published: FEB 12 2015

6,187.A multisymplectic approach to defects in integrable classical field theory

By: Caudrelier, V.; Kundu, A.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 088 Published: FEB 13 2015

6,188.Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 6 Article Number: 061801 Published: FEB 13 2015

6,189. Inhibition of nucleoporin member Nup214 expression by miR-133b perturbs mitotic timing and leads to cell death

By: Bhattacharjya, Sumana; Roy, Kumar Singha; Ganguly, Abira; et al.

MOLECULAR CANCER Volume: 14 Article Number: 42 Published: FEB 15 2015

6,190. Reversible monolayer-to-crystalline phase transition in amphiphilic silsesquioxane at the air-water interface

By: Banerjee, R.; Sanyal, M. K.; Bera, M. K.; et al.

SCIENTIFIC REPORTS Volume: 5 Article Number: 8497 Published: FEB 17 2015

6,191.  $K^*(892)(0)$  and  $\phi(1020)$  production in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 2 Article Number: 024609 Published: FEB 17 2015

6,192. Steady-state physics, effective temperature dynamics in holography

By: Kundu, Arnab; Kundu, Sandipan

PHYSICAL REVIEW D Volume: 91 Issue: 4 Article Number: 046004 Published: FEB 19 2015

6,193. Testable constraint on near-tribimaximal neutrino mixing

By: Brahmachari, Biswajoy; Roy, Probir

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 135 Published: FEB 23 2015

6,194. Slowly rotating superfluid neutron stars with isospin dependent entrainment in a two-fluid model

By: Kheto, Apurba; Bandyopadhyay, Debades

PHYSICAL REVIEW D Volume: 91 Issue: 4 Article Number: 043006 Published: FEB 23 2015

6,195. Transverse Wobbling in Pr-135

By: Matta, J. T.; Garg, U.; Li, W.; et al.

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 8 Article Number: 082501 Published: FEB 23 2015

6,196. Role of p-induced population of medium-mass ( $A$  similar to 150) neutron-rich nuclei

By: Banerjee, D.; Saha, A.; Bhattacharjee, T.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 2 Article Number: 024617 Published: FEB 24 2015

6,197. Supersymmetry, shape invariance and the solubility of the hypergeometric equation

By: Das, Ashok K.; Kalauni, Pushpa

MODERN PHYSICS LETTERS A Volume: 30 Issue: 6 Published: FEB 28 2015

6,198. Spontaneous formation of superconducting NiBi<sub>3</sub> phase in Ni-Bi bilayer films

By: Siva, Vantari; Senapati, Kartik; Satpati, Biswarup; et al.

JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 8 Article Number: 083902 Published: FEB 28 2015

6,199.p27 and Leukemia: Cell Cycle and Beyond

By: Roy, Anita; Banerjee, Subrata

JOURNAL OF CELLULAR PHYSIOLOGY Volume: 230 Issue: 3 Pages: 504-509 Published: MAR 2015

6,200.Exchange bias in Co/CoO/Co<sub>3</sub>O<sub>4</sub> nanostructures

By: Ahmadvand, Hossein; Safdari, Sayed Reza; Golikand, Ahmad Nozad; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 377 Pages: 19-23 Published: MAR 1 2015

6,201.The Cherenkov Telescope Array potential for the study of young supernova remnants

By: Acharya, B. S.; Aramo, C.; Babic, A.; et al.

ASTROPARTICLE PHYSICS Volume: 62 Pages: 152-164 Published: MAR 2015

6,202.Stacking Interactions in RNA and DNA: Roll-Slide Energy Hyperspace for Ten Unique Dinucleotide Steps

By: Mukherjee, Sanchita; Kailasam, Senthilkumar; Bansal, Manju; et al.

BIOPOLYMERS Volume: 103 Issue: 3 Pages: 134-147 Published: MAR 2015

6,203.An unusual structural phase transition in Rb<sub>2</sub>HfF<sub>6</sub>

By: Dey, C. C.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 78 Pages: 12-19 Published: MAR 2015

6,204.Constraints on the synchrotron self-Compton mechanism of TeV gamma ray emission from the Milagro TeV source MGRO J2019+37 within the pulsar wind nebula scenario

By: Saha, Lab; Bhattacharjee, Pijushpani

JOURNAL OF HIGH ENERGY ASTROPHYSICS Volume: 5-6 Pages: 9-14 Published: MAR-JUN 2015

6,205.Differential interactions of two local anesthetics with phospholipid membrane and nonerythroid spectrin: Localization in presence of cholesterol and ganglioside, GM(1)

By: Chakrabarti, Abhijit; Patra, Malay

BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES Volume: 1848 Issue: 3 Pages: 821-832  
Published: MAR 2015

6,206.Role of indirect readout mechanism in TATA box binding protein-DNA interaction

By: Mondal, Manas; Choudhury, Devapriya; Chakrabarti, Jaydeb; et al.

JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN Volume: 29 Issue: 3 Pages: 283-295  
Published: MAR 2015

6,207.Photoacoustic Imaging of Nanoparticle-Containing Cells Using Single-Element Focused Transducer: A Simulation Study

By: Karmakar, Subhajit; Roy, Madhusudan; Saha, Ratan K.

IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL Volume: 62  
Issue: 3 Pages: 463-474 Published: MAR 2015

- 6,208.Green methods for the radiochemical separations of no-carrier-added Cu-61, Zn-62 from Li-7 irradiated cobalt target  
By: Maiti, Moumita; Ghosh, Kaustab; Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 303 Issue: 3 Pages: 2033-2040  
Published: MAR 2015
- 6,209.Mitochondrial dependency in progression of acute myeloid leukemia  
By: Basak, Nandini Pal; Banerjee, Subrata  
MITOCHONDRION Volume: 21 Pages: 41-48 Published: MAR 2015
- 6,210.Quadruplex forming promoter region of c-myc oncogene as a potential target for a telomerase inhibitory plant alkaloid, chelerythrine  
By: Ghosh, Saptarni; Dasgupta, Dipak  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 459 Issue: 1 Pages: 75-80  
Published: MAR 2015
- 6,211.Stabilization of Rayleigh-Taylor instability in a non-Newtonian incompressible complex plasma  
By: Garai, S.; Banerjee, D.; Janaki, M. S.; et al.  
PHYSICS OF PLASMAS Volume: 22 Issue: 3 Article Number: 033702 Published: MAR 2015
- 6,212.SPECTROSCOPY OF THE LOW-LYING STATES NEAR THE HIGH SPIN ISOMER IN Ag-108  
By: Sethi, J.; Palit, R.; Carroll, J. J.; et al.  
ACTA PHYSICA POLONICA B Volume: 46 Issue: 3 Pages: 703-707 Published: MAR 2015
- 6,213.A possible explanation o flow energy gamma-ray excess from galactic centre and Fermi bubble by a Dark Matter model with two real scalars  
By: Modak, Kamakshya Prasad; Majumdar, Debasish; Rakshit, Subhendu  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 3 Article Number: 011 Published: MAR 2015
- 6,214.Quality control and beam test of GEM detectors for future upgrades of the CMS muon high rate region at the LHC  
By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.  
JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: C03039 Published: MAR 2015
- 6,215.C-12+p resonant elastic scattering in the Maya active target  
By: Sambhi, S.; Raabe, R.; Borge, M. J. G.; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 51 Issue: 2 Article Number: 25 Published: MAR 2 2015
- 6,216.Extraordinary enhancement of Neel transition temperature in nanoparticles of multiferroic tetragonal compositions of (1-x)BiFeO<sub>3</sub>-xPbTiO<sub>3</sub> solid solutions  
By: Upadhyay, Chandan; Harijan, Pappu Kumar; Senyshyn, Anatoliy; et al.  
APPLIED PHYSICS LETTERS Volume: 106 Issue: 9 Article Number: 093103 Published: MAR 2 2015

6,217. Study of Z production in PbPb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV in the dimuon and dielectron decay channels

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 022 Published: MAR 4 2015

6,218. Synthesis of industrially important aromatic and heterocyclic ketones using hierarchical ZSM-5 and Beta zeolites

By: Kore, Rajkumar; Srivastava, Rajendra; Satpati, Biswarup

APPLIED CATALYSIS A-GENERAL Volume: 493 Pages: 129-141 Published: MAR 5 2015

6,219. Ameliorative effect of water spinach, *Ipomea aquatica* (Convolvulaceae), against experimentally induced arsenic toxicity

By: Dua, Tarun K.; Dewanjee, Saikat; Gangopadhyay, Moumita; et al.

JOURNAL OF TRANSLATIONAL MEDICINE Volume: 13 Article Number: 81 Published: MAR 5 2015

6,220. Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 742 Pages: 200-224 Published: MAR 6 2015

6,221. A comprehensive secondary ion mass spectrometry analysis of ZnO nanowalls: Correlation to photocatalytic responses

By: Bayan, Sayan; Choudhury, Biswajit; Satpati, Biswarup; et al.

JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 9 Article Number: 095304 Published: MAR 7 2015

6,222. Positron annihilation study of biopolymer inulin for understanding its structural organization

By: Ganguly, Bichitra Nandi; Roy, Madhusudan; Moulik, S. P.

POLYMER Volume: 60 Pages: 137-143 Published: MAR 9 2015

6,223. A cascaded pairwise biomolecular sequence alignment technique using evolutionary algorithm

By: Garai, Gautam; Chowdhury, Biswanath

INFORMATION SCIENCES Volume: 297 Pages: 118-139 Published: MAR 10 2015

6,224. A path integral approach to the Langevin equation

By: Das, Ashok K.; Panda, Sudhakar; Santos, J. R. L.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 30 Issue: 7 Article Number: 1550028 Published: MAR 10 2015

6,225. Search for Monotop Signatures in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 10 Article Number: 101801 Published: MAR 10 2015

6,226. Measurements of jet multiplicity and differential production cross sections of Z plus jets events in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 5 Article Number: 052008 Published: MAR 11 2015

6,227. 3.5 keV X-ray line signal from decay of right-handed neutrino due to transition magnetic moment

By: Modak, Kamakshya Prasad

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 064 Published: MAR 12 2015

6,228. Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 5 Article Number: 052009 Published: MAR 12 2015

6,229. Fate of dynamical many-body localization in the presence of disorder

By: Roy, Analabha; Das, Arnab

PHYSICAL REVIEW B Volume: 91 Issue: 12 Article Number: 121106 Published: MAR 13 2015

6,230. Hydrolysis of sodium borohydride using Ru-Co-PEDOT nanocomposites as catalyst

By: Chowdhury, Ankan Dutta; Agnihotri, Nidhi; De, Amitabha

CHEMICAL ENGINEERING JOURNAL Volume: 264 Pages: 531-537 Published: MAR 15 2015

6,231. RNABP COGEST: a resource for investigating functional RNAs

By: Bhattacharya, Sohini; Mittal, Shriyaa; Panigrahi, Swati; et al.

DATABASE-THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION Article Number: bav011

Published: MAR 16 2015

6,232. Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 5 Article Number: 052012 Published: MAR 18 2015

6,233. Cosmic four-fermion neutrino secret interactions, enhancement, and total cross section

By: Carcamo, Dante; Gamboa, Jorge; Mendez, Fernando; et al.

PHYSICAL REVIEW D Volume: 91 Issue: 6 Article Number: 065028 Published: MAR 23 2015

6,234. Quasilocal conformal Killing horizons: Classical phase space and the first law

By: Chatterjee, Ayan; Ghosh, Avirup

PHYSICAL REVIEW D Volume: 91 Issue: 6 Article Number: 064054 Published: MAR 23 2015

6,235. Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 5 Article Number: 052018 Published: MAR 23 2015

6,236. Magnetism of the spin-trimer compound  $\text{CaNi}_3(\text{P}_2\text{O}_7)_2$ : Microscopic insight from combined P-31 NMR and first-principles studies

By: Majumder, M.; Kanungo, S.; Ghoshray, A.; et al.

PHYSICAL REVIEW B Volume: 91 Issue: 10 Article Number: 104422 Published: MAR 24 2015

6,237.

Two-pion femtoscopy in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 3 Article Number: 034906 Published: MAR 24 2015

6,238. Barrier distribution functions for the system  $\text{Li-6}+\text{Ni-64}$  and the effect of channel coupling

By: Shaikh, Md. Moin; Roy, Subinit; Rajbanshi, S.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 3 Article Number: 034615 Published: MAR 24 2015

6,239. Structure of Cr monolayer on Ag(001): A buried two-dimensional  $c(2 \times 2)$  antiferromagnet

By: Das, Jayanta; Biswas, Sananda; Kundu, Asish K.; et al.

PHYSICAL REVIEW B Volume: 91 Issue: 12 Article Number: 125435 Published: MAR 27 2015

6,240. Carbon ion beam triggers both caspase-dependent and caspase-independent pathway of apoptosis in HeLa and status of PARP-1 controls intensity of apoptosis

By: Ghorai, Atanu; Sarma, Asitikantha; Bhattacharyya, Nitai P.; et al.

APOPTOSIS Volume: 20 Issue: 4 Pages: 562-580 Published: APR 2015

6,241. Excitation power-independent photoluminescence of inverted quantum hut structures embedded in SiGe superlattice

By: Sharma, Manjula; Sanyal, Milan K.; Katiyar, Ajit; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 119 Issue: 1 Pages: 55-60

Published: APR 2015

6,242. Stochastic resonance in visual sensitivity

By: Kundu, Ajanta; Sarkar, Sandip

BIOLOGICAL CYBERNETICS Volume: 109 Issue: 2 Pages: 241-254 Published: APR 2015

6,243. Binding of hemin, hemoxyprophyrin, and protoporphyrin with erythroid spectrin: fluorescence and molecular docking studies

By: Das, Debashree; Patra, Malay; Chakrabarti, Abhijit

EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Volume: 44 Issue: 3 Pages: 171-182

Published: APR 2015

6,244. Systematic R-matrix analysis of the  $\text{C-13}(p,\gamma)\text{N-14}$  capture reaction

By: Chakraborty, Suprita; deBoer, Richard; Mukherjee, Avijit; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 4 Article Number: 045801 Published: APR 1 2015

6,245.The MaPLE device: A linear machine for laboratory studies of the magnetized plasma physics phenomena

By: Biswas, Subir; Chowdhury, Satyajit; Pal, Abhik M.; et al.

JOURNAL OF PLASMA PHYSICS Volume: 81 Article Number: 345810205 Part: 2 Published: APR 2015

6,246.Inverse mirror plasma experimental device (IMPED) - a magnetized linear plasma device for wave studies

By: Bose, Sayak; Chattopadhyay, P. K.; Ghosh, J.; et al.

JOURNAL OF PLASMA PHYSICS Volume: 81 Article Number: 345810203 Part: 2 Published: APR 2015

6,247.Transcriptional regulation of microRNA-100,-146a, and-150 genes by p53 and NF kappa B p65/RelA in mouse striatal STHdh(Q7)/Hdh(Q7) cells and human cervical carcinoma HeLa cells

By: Ghose, Jayeeta; Bhattacharyya, N. P.

RNA BIOLOGY Volume: 12 Issue: 4 Pages: 457-477 Published: APR 2015

6,248.Nanorippling of ion irradiated GaAs (001) surface near the sputter-threshold energy

By: Chowdhury, Debasree; Ghose, Debabrata; Mollick, Safiul Alam; et al.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 252 Issue: 4 Pages: 811-815 Published: APR 2015

6,249.Microscopic properties of MPCVD diamond coatings studied by micro-Raman and micro-photoluminescence spectroscopy

By: Pal, Kalyan S.; Mallik, Awadesh K.; Dandapat, Nandadulal; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 38 Issue: 2 Pages: 537-549 Published: APR 2015

6,250.Intrinsic noise induced coherence resonance in a glow discharge plasma

By: Shaw, Pankaj Kumar; Saha, Debajyoti; Ghosh, Sabuj; et al.

CHAOS Volume: 25 Issue: 4 Article Number: 043101 Published: APR 2015

6,251.The transverse magnetic field effect on steady-state solutions of the Bursian diode

By: Pramanik, Sourav; Ender, A. Ya.; Kuznetsov, V. I.; et al.

PHYSICS OF PLASMAS Volume: 22 Issue: 4 Article Number: 042110 Published: APR 2015

6,252.Effect of size on momentum distribution of electrons around vacancies in NiO nanoparticles

By: Das, Anjan; Mandal, Atis Chandra; Nambissan, P. M. G.

CHINESE PHYSICS B Volume: 24 Issue: 4 Article Number: 046102 Published: APR 2015

6,253.Phase separation transition of reconstituting k-mers in one dimension

By: Daga, Bijoy; Mohanty, P. K.



JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P04004  
Published: APR 2015

6,254. Deriving super-horizon curvature perturbations from the dynamics of preheating

By: Mazumdar, Arindam; Modak, Kamakshya Prasad

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 4 Article Number: 053 Published:  
APR 2015

6,255. Simulation of efficiency and time resolution of resistive plate chambers and comparison with  
experimental data

By: Salim, M.; Jash, A.; Hasan, R.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: C04033 Published: APR 2015

6,256. Structural manipulation in Ge by swift heavy ions governed by electron-phonon coupling  
strength

By: Honda, S.; Satpati, B.; Ojha, S.; et al.

MATERIALS RESEARCH EXPRESS Volume: 2 Issue: 4 Article Number: 045903 Published: APR 2015

6,257. Unique ATPase Site Architecture Triggers cis-Mediated Synchronized ATP Binding in Heptameric  
AAA(+)-ATPase Domain of Flagellar Regulatory Protein FlrC

By: Dey, Sanjay; Biswas, Maitree; Sen, Udayaditya; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 290 Issue: 14 Pages: 8734-8747 Published: APR 3  
2015

6,258. Search for physics beyond the standard model in dilepton mass spectra in proton-proton  
collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 025 Published: APR 7 2015

6,259. Dipolar degrees of freedom and isospin equilibration processes in heavy ion collisions

By: Papa, M.; Berceanu, I.; Acosta, L.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 4 Article Number: 041601 Published: APR 8 2015

6,260. Correlation and localization properties of topological charge density and the pseudoscalar  
glueball mass in SU(3) lattice Yang-Mills theory

By: Chowdhury, Abhishek; Harindranath, A.; Maiti, Jyotirmoy

PHYSICAL REVIEW D Volume: 91 Issue: 7 Article Number: 074507 Published: APR 8 2015

6,261. Measurement of the production cross section ratio  $\sigma(\chi_{b2}(1P))/\sigma(\chi_{b1}(1P))$  in pp  
collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

PHYSICS LETTERS B Volume: 743 Pages: 383-402 Published: APR 9 2015

6,262. Low energy gamma ray excess confronting a singlet scalar extended inert doublet dark matter model

By: Banik, Amit Dutta; Majumdar, Debasish

PHYSICS LETTERS B Volume: 743 Pages: 420-427 Published: APR 9 2015

6,263. Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

PHYSICS LETTERS B Volume: 743 Pages: 503-525 Published: APR 9 2015

6,264. Inclusive photon production at forward rapidities in proton-proton collisions at  $\sqrt{s}=0.9, 2.76$  and 7 TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 4 Article Number: 146 Published: APR 9 2015

6,265. Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 4 Article Number: 147 Published: APR 9 2015

6,266. Micro RNA-214 contributes to proteasome independent downregulation of beta catenin in Huntington's disease knock-in striatal cell model STHdhQ111/Q111

By: Ghatak, Supratim; Raha, Sanghamitra

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 459 Issue: 3 Pages: 509-514 Published: APR 10 2015

6,267. Search for decays of stopped long-lived particles produced in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 4 Article Number: 151 Published: APR 11 2015

6,268. Evidence of the charge-density wave state in polypyrrole nanotubes

By: Sarma, Abhisakh; Sanyal, Milan K.; Littlewood, Peter B.

PHYSICAL REVIEW B Volume: 91 Issue: 16 Article Number: 165409 Published: APR 13 2015

6,269. A bottom-up approach to lepton flavor and CP symmetries

By: Everett, Lisa L.; Garon, Todd; Stuart, Alexander J.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Pages: 1-21 Article Number: 069 Published: APR 14 2015

6,270.Evidence of power law decay of superexchange coupling in a disordered two-dimensional pi-electron system

By: Bagani, K.; Ray, M. K.; Sardar, M.; et al.

PHYSICAL REVIEW B Volume: 91 Issue: 16 Article Number: 165414 Published: APR 14 2015

6,271.Nonthermal two component dark matter model for Fermi-LAT gamma-ray excess and 3.55 keV X-ray line

By: Biswas, Anirban; Majumdar, Debasish; Roy, Probir

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 065 Published: APR 14 2015

6,272.Anomalous magnetic moment at Ba in Au

By: Bhati, A. K.; Kaur, J.; Bansal, N.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 349 Pages: 125-129 Published: APR 15 2015

6,273.Mechanism of Versatile Catalytic Activities of Quaternary CuZnFeS Nanocrystals Designed by a Rapid Synthesis Route

By: Dalui, Amit; Thupakula, Umamahesh; Khan, Ali Hossain; et al.

SMALL Volume: 11 Issue: 15 Pages: 1829-1839 Published: APR 17 2015

6,274.Dynamics driven by lipophilic force in Langmuir monolayers: In-plane and out-of-plane growth

By: Basak, Uttam Kumar; Datta, Alokmay

PHYSICAL REVIEW E Volume: 91 Issue: 4 Article Number: 042405 Published: APR 22 2015

6,275.Enhanced Photocatalytic Activity and Charge Carrier Dynamics of Hetero-Structured Organic Inorganic Nano-Photocatalysts

By: Nanda, Kamala K.; Swain, Smrutirekha; Satpati, Biswarup; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 7 Issue: 15 Pages: 7970-7978 Published: APR 22 2015

6,276.Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 124 Published: APR 22 2015

6,277.Probing the Fermi surface of three-dimensional Dirac semimetal Cd<sub>3</sub>As<sub>2</sub> through the de Haas-van Alphen technique

By: Pariari, A.; Dutta, P.; Mandal, P.

PHYSICAL REVIEW B Volume: 91 Issue: 15 Article Number: 155139 Published: APR 23 2015

6,278.Entanglement thermodynamics for an excited state of Lifshitz system

By: Chakraborty, Somdeb; Dey, Parijat; Karar, Sourav; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 133 Published: APR 24 2015

6,279.Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 164 Published: APR 29 2015

6,280.Generation of magnetic phase diagram of HoRu<sub>2</sub>Si<sub>2</sub> using magnetocaloric effect

By: Paramanik, Tapas; Das, Kalipada; Samanta, Tapas; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 381 Pages: 168-172 Published: MAY 1 2015

6,281.Investigation of in-depth and surface properties of polyethyleneterephthalate thin films after SHI and gamma radiation treatment by means of PALS and AFM studies

By: Singh, Paramjit; Kumar, Rajesh; Nambissan, P. M. G.

VACUUM Volume: 115 Pages: 31-38 Published: MAY 2015

6,282.A control on hydrophobic and hydrophilic interactions between HEWL and metal Schiff-base complexes comprising of different metal ions and ligands

By: Seth, Banabithi Koley; Ray, Aurkie; Basu, Samita

JOURNAL OF LUMINESCENCE Volume: 161 Pages: 54-62 Published: MAY 2015

6,283.Organization and Dynamics of Tryptophan Residues in Brain Spectrin: Novel Insight into Conformational Flexibility

By: Mitra, Madhurima; Chaudhuri, Arunima; Patra, Malay; et al.

JOURNAL OF FLUORESCENCE Volume: 25 Issue: 3 Pages: 707-717 Published: MAY 2015

6,284.Hsp70 clears misfolded kinases that partitioned into distinct quality-control compartments

By: Roy, Joydeep; Mitra, Sahana; Sengupta, Kaushik; et al.

MOLECULAR BIOLOGY OF THE CELL Volume: 26 Issue: 9 Pages: 1583-1600 Published: MAY 1 2015

6,285.A Simulation Study on the Quantitative Assessment of Tissue Microstructure With Photoacoustics

By: Saha, Ratan K.

IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL Volume: 62 Issue: 5 Pages: 881-895 Published: MAY 2015

6,286.Psi and Upsilon Production in proton-proton collisions at E=13TeV

By: Kisslinger, Leonard S.; Das, Debasish

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 24 Issue: 5 Article Number: 1550038 Published: MAY 2015

6,287.Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: 186 Published: MAY 1 2015

6,288.Irregular-regular-irregular mixed mode oscillations in a glow discharge plasma

By: Ghosh, Sabuj; Shaw, Pankaj Kumar; Saha, Debajyoti; et al.

PHYSICS OF PLASMAS Volume: 22 Issue: 5 Article Number: 052304 Published: MAY 2015

6,289.Phase-mixing of ion plasma modes in pair-ion plasmas

By: Pramanik, Sourav; Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 22 Issue: 5 Article Number: 052303 Published: MAY 2015

6,290.Entropy from scaling symmetry breaking

By: Cavalcante, Neymar; Diles, Saulo; Gupta, Kumar S.; et al.

EPL Volume: 110 Issue: 4 Article Number: 48002 Published: MAY 2015

6,291.Magnetic field induced insulator-metal transition in nanocrystalline Pr<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub> compounds: Evidence of large temperature co-efficient of resistance

By: Das, Kalipada; Das, I.

JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 17 Article Number: 175103 Published: MAY 7 2015

6,292.SEARCHING FOR OVERIONIZED PLASMA IN THE GAMMA-RAY-EMITTING SUPERNOVA REMNANT G349.7+0.2

By: Ergin, T.; Sezer, A.; Saha, L.; et al.

ASTROPHYSICAL JOURNAL Volume: 804 Issue: 2 Article Number: 124 Published: MAY 10 2015

6,293.Experimental study of Al-26 through the  $1n$  pick-up reaction Al-27(d, t)

By: Srivastava, Vishal; Bhattacharya, C.; Rana, T. K.; et al.

PHYSICAL REVIEW C Volume: 91 Issue: 5 Published: MAY 11 2015

6,294.Search for a standard model-like Higgs boson in the  $\mu^{+}\mu^{-}$  and  $e^{+}e^{-}$  decay channels at the LHC

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 744 Pages: 184-207 Published: MAY 11 2015

6,295.Inducing magnetism onto the surface of a topological crystalline insulator

By: Assaf, B. A.; Katmis, F.; Wei, P.; et al.

PHYSICAL REVIEW B Volume: 91 Issue: 19 Article Number: 195310 Published: MAY 11 2015

6,296.Measurement of  $J/\psi$  and  $\psi(2S)$  Prompt Double-Differential Cross Sections in pp Collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 19 Article Number: 191802 Published: MAY 14 2015

6,297. Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: UNSP 212 Published: MAY 14 2015

6,298. Tuning of normal and inverse magnetocaloric effect in  $\text{Sm}_{0.35}\text{Pr}_{0.15}\text{Sr}_{0.5}\text{MnO}_3$  phase separated manganites

By: Giri, S. K.; Dasgupta, Papri; Poddar, A.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 631 Pages: 266-271 Published: MAY 15 2015

6,299. Searches for supersymmetry using the  $M_{T2}$  variable in hadronic events produced in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 078 Published: MAY 15 2015

6,300. Probing texture zeros with scaling ansatz in inverse seesaw

By: Ghosal, Ambar; Samanta, Rome

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 077 Published: MAY 15 2015

6,301. Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 745 Pages: 5-28 Published: MAY 18 2015

6,302. Measurement of jet multiplicity distributions in  $t(\bar{t})$  production in pp collisions at  $\sqrt{s} = 7$  TeV (vol 74, 3014, 2014)

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: UNSP 216 Published: MAY 19 2015

6,303. Forward-backward multiplicity correlations in pp collisions at  $\sqrt{s} = 0.9, 2.76$  and 7 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 097 Published: MAY 20 2015

6,304. Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at  $\sqrt{s} = 8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 9 Article Number: UNSP 092005 Published: MAY 22 2015

6,305. Positron annihilation studies of defects and fine size effects in nanocrystalline nickel oxide

By: Das, Anjan; Mandal, Atis Chandra; Roy, Soma; et al.

JOURNAL OF EXPERIMENTAL NANOSCIENCE Volume: 10 Issue: 8 Pages: 622-639 Published: MAY 24 2015

6,306. Measurement of pion, kaon and proton production in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: 226 Published: MAY 27 2015

6,307. Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration; CMS Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 9 Published: MAY 29 2015

6,308. Search for a stable alignment limit in two-Higgs-doublet models

By: Das, Dipankar; Saha, Ipsita

PHYSICAL REVIEW D Volume: 91 Issue: 9 Article Number: 095024 Published: MAY 29 2015

6,309. Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: UNSP 235 Published: MAY 29 2015

6,310. Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 5 Article Number: UNSP 237 Published: MAY 29 2015

6,311. Peanut protein sensitivity towards trace iron: A novel mode to ebb allergic response

By: Ghatak, Sumanta Kumar; Majumdar, Dipanwita; Singha, Achintya; et al.

FOOD CHEMISTRY Volume: 176 Pages: 308-313 Published: JUN 1 2015

6,312. Stacking Geometry for Non-canonical G:U Wobble Base Pair Containing Dinucleotide Sequences in RNA: Dispersion-Corrected DFT-D Study

By: Mondal, Manas; Mukherjee, Sanchita; Halder, Sukanya; et al.

BIOPOLYMERS Volume: 103 Issue: 6 Pages: 328-338 Published: JUN 2015

6,313. Scaling description of non-ohmic direct current conduction in disordered systems

By: Nandi, Upendranath; Jana, Debnarayan; Talukdar, Deep

PROGRESS IN MATERIALS SCIENCE Volume: 71 Pages: 1-92 Published: JUN 2015

6,314.

Longitudinal dust acoustic solitary waves in a strongly coupled complex (dusty) plasma

By: Chakrabarti, Nikhil; Ghosh, Samiran

JOURNAL OF PLASMA PHYSICS Volume: 81 Article Number: 905810310 Part: 3 Published: JUN 2015

6,315. Study of inelastic mean free path of metal nanostructures using energy filtered transmission electron microscopy imaging

By: Ghosh, T.; Bardhan, M.; Bhattacharya, M.; et al.

JOURNAL OF MICROSCOPY Volume: 258 Issue: 3 Pages: 253-258 Published: JUN 2015

6,316. Systematic study of charmonium production in p-p collisions at LHC energies

By: Paul, Biswarup; Mandal, Mahatsab; Roy, Pradip; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 42 Issue: 6 Article Number: 065101 Published: JUN 2015

6,317. Growth and photoemission spectroscopic studies of ultrathin noble metal films on graphite

By: Mahatha, S. K.; Menon, Krishnakumar S. R.

PRAMANA-JOURNAL OF PHYSICS Volume: 84 Issue: 6 Pages: 1011-1022 Published: JUN 2015

6,318. Spin dynamics and frequency dependence of magnetic damping study in soft ferromagnetic FeTaC film with a stripe domain structure

By: Samantaray, B.; Singh, Akhilesh K.; Perumal, A.; et al.

AIP ADVANCES Volume: 5 Issue: 6 Article Number: 067157 Published: JUN 2015

6,319. Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P06005 Published: JUN 2015

6,320. Observation of the rare  $B_s(0) \rightarrow \mu^+ \mu^-$  decay from the combined analysis of CMS and LHCb data

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration; CMS Collaboration; LHCb Collaboration

NATURE Volume: 522 Issue: 7554 Pages: 68-U146 Published: JUN 4 2015

6,321. Phase diagram of the half-filled ionic Hubbard model

By: Bag, Soumen; Garg, Arti; Krishnamurthy, H. R.



PHYSICAL REVIEW B Volume: 91 Issue: 23 Article Number: 235108 Published: JUN 5 2015

6,322. Centrality dependence of particle production in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 91 Issue: 6 Article Number: 064905 Published: JUN 8 2015

6,323. Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 6 Article Number: UNSP 251 Published: JUN 9 2015

6,324. Rapidity and transverse-momentum dependence of the inclusive  $J/\psi$  nuclear modification factor in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 055 Published: JUN 9 2015

6,325. Dark Matter Search Results from the PICO-2L C3F8 Bubble Chamber

By: Amole, C.; Ardid, M.; Asner, D. M.; et al.

Group Author(s): PICO Collaboration

PHYSICAL REVIEW LETTERS Volume: 114 Issue: 23 Article Number: 231302 Published: JUN 11 2015

6,326. Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: UNSP 80 Published: JUN 12 2015

6,327. Microwave-assisted synthesis of anisotropic gold nanocrystals in polymer matrix and their catalytic activities

By: Sahoo, Gobinda Prasad; Basu, Samita; Samanta, Sadhan; et al.

JOURNAL OF EXPERIMENTAL NANOSCIENCE Volume: 10 Issue: 9 Pages: 690-702 Published: JUN 13 2015

6,328. Positron annihilation and other experimental studies on polycarbonate/MPDMAPP nanocomposite

By: Thimmaiah, Sheela; Bhajantri, Rajashekhar Fakeerappa; Nambissan, Padinharu Madathil Gopalakrishnan; et al.

JOURNAL OF APPLIED POLYMER SCIENCE Volume: 132 Issue: 23 Article Number: 42053 Published: JUN 15 2015

6,329.Coulomb screening in graphene with topological defects

By: Chakraborty, Baishali; Gupta, Kumar S.; Sen, Siddhartha

EUROPEAN PHYSICAL JOURNAL B Volume: 88 Issue: 6 Article Number: 155 Published: JUN 15 2015

6,330.Low-energy positron-nitrogen-molecule scattering: A rovibrational close-coupling study

By: Mukherjee, T.; Mukherjee, M.

PHYSICAL REVIEW A Volume: 91 Issue: 6 Article Number: 062706 Published: JUN 16 2015

6,331.Weak field collapse in AdS: introducing a charge density

By: Caceres, Elena; Kundu, Arnab; Pedraza, Juan F.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 111 Published: JUN 17 2015

6,332.Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 121 Published: JUN 17 2015

6,333.Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 116 Published: JUN 17 2015

6,334.Cosmological kinetic mixing

By: Das, Ashok; Gamboa, Jorge; Pino, Miguel

PHYSICAL REVIEW D Volume: 91 Issue: 12 Article Number: 123528 Published: JUN 19 2015

6,335.Charged jet cross sections and properties in proton-proton collisions at root  $s=7$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW D Volume: 91 Issue: 11 Article Number: 112012 Published: JUN 22 2015

6,336.Zeroth law and nonequilibrium thermodynamics for steady states in contact

By: Chatterjee, Sayani; Pradhan, Punyabrata; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 91 Issue: 6 Article Number: 062136 Published: JUN 25 2015

6,337.Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at root  $s=7$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 6 Article Number: 288 Published: JUN 26 2015

6,338.Evidence for Collective Multiparticle Correlations in p-Pb Collisions

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 115 Issue: 1 Article Number: 012301 Published: JUN 29 2015

6,339.Elliptic flow of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Abelev, B.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 190 Published: JUN 29 2015

6,340.Measurement of jet suppression in central Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 746 Pages: 1-14 Published: JUN 30 2015

6,341.Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 746 Pages: 79-99 Published: JUN 30 2015

6,342.Measurement of the cross section ratio  $\sigma(t\bar{t})/\sigma(t\bar{t})$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

PHYSICS LETTERS B Volume: 746 Pages: 132-153 Published: JUN 30 2015

6,343.Measurement of dijet  $k(T)$  in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 746 Pages: 385-395 Published: JUN 30 2015

6,344.Measuring social inequality with quantitative methodology: Analytical estimates and empirical data analysis by Gini and k indices

By: Inoue, Jun-ichi; Ghosh, Asim; Chatterjee, Arnab; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 429 Pages: 184-204

Published: JUL 1 2015

6,345.Electric field gradients at Ta-181 probe in ZrNi: Results from perturbed angular correlation and first-principles calculations

By: Dey, C. C.; Das, Rakesh; Srivastava, S. K.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 82 Pages: 10-16 Published: JUL 2015

6,346.Coulomb breakup of Mg-37 and its ground state structure

By: Shubhchintak; Neelam; Chatterjee, R.; et al.

NUCLEAR PHYSICS A Volume: 939 Pages: 101-120 Published: JUL 2015

6,347. Electronic structure of germanium selenide investigated using ultra-violet photo-electron spectroscopy

By: Mishra, P.; Lohani, H.; Kundu, A. K.; et al.

SEMICONDUCTOR SCIENCE AND TECHNOLOGY Volume: 30 Issue: 7 Article Number: 075001

Published: JUL 2015

6,348. Coupling of dust acoustic and shear mode through velocity shear in a strongly coupled dusty plasma

By: Garai, S.; Janaki, M. S.; Chakrabarti, N.

PHYSICS OF PLASMAS Volume: 22 Issue: 7 Article Number: 073706 Published: JUL 2015

6,349. A new (2+1) dimensional integrable evolution equation for an ion acoustic wave in a magnetized plasma

By: Mukherjee, Abhik; Janaki, M. S.; Kundu, Anjan

PHYSICS OF PLASMAS Volume: 22 Issue: 7 Article Number: 072302 Published: JUL 2015

6,350. Nonlinear Alfvén wave dynamics in plasmas

By: Sarkar, Anwesa; Chakrabarti, Nikhil; Schamel, Hans

PHYSICS OF PLASMAS Volume: 22 Issue: 7 Article Number: 072307 Published: JUL 2015

6,351. Distributions of topological observables in inclusive three- and four-jet events in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 7 Article Number: 302 Published: JUL 1 2015

6,352. Characterisation of a composite LEPS

By: Basu, M. Roy; Ray, S.; Bisoi, A.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: T07002 Published: JUL 2015

6,353. Response of multi-strip multi-gap resistive plate chamber

By: Datta, Ushasi; Chakraborty, S.; Rahaman, A.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P07005 Published: JUL 2015

6,354. Electronic specific heat of DNA: Effects of backbones and disorder

By: Kundu, Sourav; Karmakar, S. N.

PHYSICS LETTERS A Volume: 379 Issue: 20-21 Pages: 1377-1383 Published: JUL 3 2015

6,355. Measurement of diffractive dissociation cross sections in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 92 Issue: 1 Article Number: 012003 Published: JUL 6 2015

6,356. Suppression of the ac-Stark-shift scattering rate due to non-Markovian behavior

- By: Lone, Muzaffar Q.; Byrnes, Tim  
PHYSICAL REVIEW A Volume: 92 Issue: 1 Article Number: 011401 Published: JUL 7 2015
- 6,357.Reassessing nuclear matter incompressibility and its density dependence  
By: De, J. N.; Samaddar, S. K.; Agrawal, B. K.  
PHYSICAL REVIEW C Volume: 92 Issue: 1 Article Number: 014304 Published: JUL 7 2015
- 6,358.Search for third-generation scalar leptoquarks in the  $t\tau$  channel in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 042 Published: JUL 9 2015
- 6,359.Recognition of chromatin by the plant alkaloid, ellipticine as a dual binder  
By: Banerjee, Amrita; Sanyal, Sulagna; Majumder, Parijat; et al.  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 462 Issue: 4 Pages: 352-357 Published: JUL 10 2015
- 6,360.Inclusive, prompt and non-prompt  $J/\psi$  production at mid-rapidity in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 051 Published: JUL 10 2015
- 6,361.Two hidden scalars around 125 GeV and  $h \rightarrow \mu\tau$   
By: Das, Dipankar; Kundu, Anirban  
PHYSICAL REVIEW D Volume: 92 Issue: 1 Article Number: 015009 Published: JUL 13 2015
- 6,362.Constraints on the spin-parity and anomalous  $HVV$  couplings of the Higgs boson in proton collisions at 7 and 8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 92 Issue: 1 Article Number: 012004 Published: JUL 13 2015
- 6,363.Generalized fluctuation-dissipation theorem in a soluble out of equilibrium model  
By: Britto, A. L. M.; Das, Ashok K.; Frenkel, J.  
PHYSICAL REVIEW D Volume: 92 Issue: 2 Article Number: 025020 Published: JUL 14 2015
- 6,364.Quaternary borocarbides: Relatively high  $T_c$  intermetallic superconductors and magnetic superconductors  
By: Mazumdar, Chandan; Nagarajan, R.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 514 Pages: 173-183 Published: JUL 15 2015

6,365.Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 7 Article Number: 325 Published: JUL 17 2015

6,366.Diversity of neutron star properties at the fixed neutron-skin thickness of Pb-208

By: Alam, N.; Sulaksono, A.; Agrawal, B. K.

PHYSICAL REVIEW C Volume: 92 Issue: 1 Article Number: 015804 Published: JUL 21 2015

6,367.Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 747 Pages: 98-119 Published: JUL 30 2015

6,368.Differential Effect of Oxycam Non-Steroidal Anti-Inflammatory Drugs on Membranes and Their Consequence on Membrane Fusion

By: Majumdar, Anupa; Kundu, Debjyoti; Sarkar, Munna

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 119 Issue: 30 Pages: 9627-9639 Published: JUL 30 2015

6,369.Time Resolved Spectroscopic Studies on a Novel Synthesized Photo-Switchable Organic Dyad and Its Nanocomposite Form in Order to Develop Light Energy Conversion Devices

By: Dutta (Pal), Gopa; Paul, Abhijit; Yadav, Somnath; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 15 Issue: 8 Pages: 5775-5784 Published: AUG 2015

6,370.Pulse-echo method cannot measure wave attenuation accurately

By: Pal, Barnana

ULTRASONICS Volume: 61 Pages: 6-9 Published: AUG 2015

6,371.Understanding the two neutron transfer reaction mechanism in  $(206)\text{pb}(O-18,O-16)(208)\text{pb}$

By: Parmar, A.; Sonika; Roy, B. J.; et al.

NUCLEAR PHYSICS A Volume: 940 Pages: 167-180 Published: AUG 2015

6,372.InAs quantum dots as charge storing elements for applications in flash memory devices

By: Islam, Sk Masiul; Biswas, Pranab; Banerji, P.; et al.

MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS Volume: 198 Pages: 102-107 Published: AUG 2015

6,373.Stability and softening of a lipid monolayer in the presence of a pain-killer drug

By: Basak, Uttam Kumar; Datta, Alokmay; Bhattacharyya, Dhananjay

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 132 Pages: 34-44 Published: AUG 1 2015

6,374.J/Psi, Psi (2S) Production in pp Collisions at E=510 GeV

By: Kisslinger, Leonard S.; Das, Debasish

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 54 Issue: 8 Pages: 2737-2739

Published: AUG 2015

6,375.Ubiquitin in regulation of spindle apparatus and its positioning: implications in development and disease

By: Srivastava, Devika; Chakrabarti, Oishee

BIOCHEMISTRY AND CELL BIOLOGY-BIOCHIMIE ET BIOLOGIE CELLULAIRE Volume: 93 Issue: 4 Pages:

273-281 Published: AUG 2015

6,376.Nanocrystalline Titanosilicate-Acetylcholinesterase Electrochemical Biosensor for the Ultra-Trace Detection of Toxic Organophosphate Pesticides

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup

CHEMELECTROCHEM Volume: 2 Issue: 8 Pages: 1164-1173 Published: AUG 2015

6,377.A revisit to ultrathin NiO(001) film: LEED and valence band photoemission studies

By: Das, Jayanta; Menon, Krishnakumar S. R.

JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 203 Pages: 71-74

Published: AUG 2015

6,378.Fusion-fission dynamics studies using mass distribution as a probe

By: Ghosh, T. K.; Chaudhuri, A.; Banerjee, K.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 85 Issue: 2 Pages: 291-301 Published: AUG 2015

6,379.Stability of an elliptical vortex in a strongly coupled dusty plasma

By: Jana, Sayanee; Banerjee, Debabrata; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 22 Issue: 8 Article Number: 083704 Published: AUG 2015

6,380.Stability analysis of steady state solutions of Bursian diode in presence of transverse magnetic field

By: Pramanik, S.; Kuznetsov, V. I.; Chakrabarti, N.

PHYSICS OF PLASMAS Volume: 22 Issue: 8 Article Number: 082103 Published: AUG 2015

6,381.Experimental investigation of quasiperiodic-chaotic-quasiperiodic-chaotic transition in a direct current magnetron sputtering plasma

By: Sabavath, Gopi Kishan; Shaw, Pankaj Kumar; Iyengar, A. N. Sekar; et al.

PHYSICS OF PLASMAS Volume: 22 Issue: 8 Article Number: 082121 Published: AUG 2015

6,382.CONFRONTING GALACTIC AND EXTRAGALACTIC gamma-RAYS OBSERVED BY FERMI-LAT WITH ANNIHILATING DARK MATTER IN AN INERT HIGGS DOUBLET MODEL

By: Modak, Kamakshya Prasad; Majumdar, Debasish

ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 219 Issue: 2 Article Number: 37

Published: AUG 2015

6,383.Measurement and simulation of two-phase CO<sub>2</sub> cooling in Micromegas modules for a Large Prototype of Time Projection Chamber

By: Bhattacharya, D. S.; Attie, D.; Colas, P.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P08001 Published: AUG 2015

6,384.Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P08010 Published: AUG 2015

6,385.Phase transitions and membrane stiffness in a class of asymmetric heterogeneous fluid membranes

By: Sarkar, Niladri; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: P08023

Published: AUG 2015

6,386.Constraining the symmetry energy content of nuclear matter from nuclear masses: A covariance analysis

By: Mondal, C.; Agrawal, B. K.; De, J. N.

PHYSICAL REVIEW C Volume: 92 Issue: 2 Article Number: 024302 Published: AUG 3 2015

6,387.Quasilocal rotating conformal Killing horizons

By: Chatterjee, Ayan; Ghosh, Avirup

PHYSICAL REVIEW D Volume: 92 Issue: 4 Article Number: 044003 Published: AUG 3 2015

6,388.Extension of minimal fermionic dark matter model: a study with two Higgs doublet model

By: Banik, Amit Dutta; Majumdar, Debasish

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 8 Article Number: 364 Published: AUG 12 2015

6,389.Mode Mixing and Substrate Induced Effect on the Plasmonic Properties of an Isolated Decahedral Gold Nanoparticle

By: Maiti, Arpan; Maity, Achyut; Chini, Tapas Kumar

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 32 Pages: 18537-18545 Published: AUG 13 2015

6,390.Phase coexistence and particle nonconservation in a closed asymmetric exclusion process with inhomogeneities

By: Banerjee, Tirthankar; Chandra, Anjan Kumar; Basu, Abhik

PHYSICAL REVIEW E Volume: 92 Issue: 2 Article Number: 022121 Published: AUG 13 2015

6,391.Effect of fast drifting electrons on electron temperature measurement with a triple Langmuir probe



By: Biswas, Subir; Chowdhury, Satyajit; Palivela, Yaswanth; et al.

JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 6 Article Number: 063302 Published: AUG 14 2015

6,392. Quantum and classical areas of black hole thermodynamics

By: Ghosh, A.; Mitra, P.

CLASSICAL AND QUANTUM GRAVITY Volume: 32 Issue: 16 Article Number: 165006 Published: AUG 20 2015

6,393. Selective Growth of Co-electrodeposited Mn<sub>2</sub>O<sub>3</sub>-Au Spherical Composite Network Towards Enhanced Non-enzymatic Hydrogen Peroxide Sensing

By: Saha, B.; Jana, S. K.; Majumder, S.; et al.

ELECTROCHIMICA ACTA Volume: 174 Pages: 853-863 Published: AUG 20 2015

6,394. A COMPARATIVE STUDY OF HYPERON EQUATIONS OF STATE IN SUPERNOVA SIMULATIONS

By: Char, Prasanta; Banik, Sarmistha; Bandyopadhyay, Debades

ASTROPHYSICAL JOURNAL Volume: 809 Issue: 2 Article Number: 116 Published: AUG 20 2015

6,395. Phosphatidylinositol-4-phosphate 5-Kinase 1 alpha Modulates Ribosomal RNA Gene Silencing through Its Interaction with Histone H3 Lysine 9 Trimethylation and Heterochromatin Protein HP1-alpha

By: Chakrabarti, Rajarshi; Sanyal, Sulagna; Ghosh, Amit; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 290 Issue: 34 Pages: 20893-20903 Published: AUG 21 2015

6,396. gamma-ray spectroscopy of fission fragments produced in Pb-208(O-18, f)

By: Banerjee, P.; Ganguly, S.; Pradhan, M. K.; et al.

PHYSICAL REVIEW C Volume: 92 Issue: 2 Article Number: 024318 Published: AUG 24 2015

6,397. Search for the standard model Higgs boson produced through vector boson fusion and decaying to  $b\bar{b}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 92 Issue: 3 Article Number: 032008 Published: AUG 27 2015

6,398. A comparative study of magnetic training effect in bulk and nanocrystalline La<sub>0.46</sub>Ca<sub>0.54</sub>MnO<sub>3</sub> compound

By: Das, Kalipada; Das, I.

JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 8 Article Number: 084302 Published: AUG 28 2015

6,399. The effect of spacers on the performance of Micromegas detectors: A numerical investigation

By: Bhattacharya, Purba; Mukhopadhyay, Supratik; Majumdar, Nayana; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS  
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 793 Pages: 41-48 Published:  
SEP 1 2015

6,400. Rational quantum integrable systems of D-N type with polarized spin reversal operators

By: Basu-Mallick, B.; Datta, C.; Finkel, F.; et al.

NUCLEAR PHYSICS B Volume: 898 Pages: 53-77 Published: SEP 2015

6,401. Depth-resolved slow positron beam analysis of ECR proton and argon implanted graphite and boron nitride system

By: Ganguly, Bichitra Nandi; Menon, Ranjini; Yalagoud, Nabhiraj P.; et al.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 252 Issue: 9 Pages: 2024-2033

Published: SEP 2015

6,402. Antiperiodic oscillations in a forced Duffing oscillator

By: Shaw, Pankaj Kumar; Janaki, M. S.; Iyengar, A. N. S.; et al.

CHAOS SOLITONS & FRACTALS Volume: 78 Pages: 256-266 Published: SEP 2015

6,403. Investigation of coherent modes in the chaotic time series using empirical mode decomposition and discrete wavelet transform analysis

By: Shaw, Pankaj Kumar; Saha, Debajyoti; Ghosh, Sabuj; et al.

CHAOS SOLITONS & FRACTALS Volume: 78 Pages: 285-296 Published: SEP 2015

6,404. Sn-136 and three-body forces

By: Sarkar, M. Saha; Sarkar, S.

PRAMANA-JOURNAL OF PHYSICS Volume: 85 Issue: 3 Pages: 403-413 Published: SEP 2015

6,405. Optimization of annealing temperature for high-kappa-based gate oxides using differential scanning calorimetry

By: Biswas, Debaleen; Sinha, Anil Kumar; Chakraborty, Supratic

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 33 Issue: 5 Article Number: 052205

Published: SEP 2015

6,406. Investigation of ion backflow in bulk micromegas detectors

By: Bhattacharya, P.; Bhattacharya, D. Sankar; Mukhopadhyay, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P09017 Published: SEP 2015

6,407. Search for heavy Majorana neutrinos in  $\mu(+/-)\mu(+/-) + \text{jets}$  events in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 748 Pages: 144-166 Published: SEP 2 2015

6,408. Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in  $l(+)(-)\bar{b}b$  final states

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 748 Pages: 221-243 Published: SEP 2 2015

6,409. Search for narrow high-mass resonances in proton-proton collisions at  $\sqrt{s}=8$  TeV decaying to a Z and a Higgs boson

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 748 Pages: 255-277 Published: SEP 2 2015

6,410. Antimagnetic rotation and sudden change of electric quadrupole transition strength in Eu-143

By: Rajbanshi, S.; Roy, S.; Nag, Somnath; et al.

PHYSICS LETTERS B Volume: 748 Pages: 387-391 Published: SEP 2 2015

6,411. Decoherence in models for hard-core bosons coupled to optical phonons

By: Dey, A.; Lone, M. Q.; Yarlagaadda, S.

PHYSICAL REVIEW B Volume: 92 Issue: 9 Article Number: 094302 Published: SEP 2 2015

6,412. Cluster-factorized steady states in finite-range processes

By: Chatterjee, Amit; Pradhan, Punyabrata; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 92 Issue: 3 Article Number: 032103 Published: SEP 3 2015

6,413. Curvature singularity in  $f(R)$  theories of gravity

By: Dutta, Koushik; Panda, Sukanta; Patel, Avani

PHYSICAL REVIEW D Volume: 92 Issue: 6 Article Number: 063503 Published: SEP 4 2015

6,414. Noncommutative scalar quasinormal modes and quantization of entropy of a BTZ black hole

By: Gupta, Kumar S.; Harikumar, E.; Juric, Tajron; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 025 Published: SEP 4 2015

6,415. Non-equilibrium phase transitions in a liquid crystal

By: Dan, K.; Roy, M.; Datta, A.

JOURNAL OF CHEMICAL PHYSICS Volume: 143 Issue: 9 Article Number: 094501 Published: SEP 7 2015

6,416. Differential regulation of urine proteins in urothelial neoplasm

By: Halder, Suchismita; Dey, Ranjan Kumar; Chowdhury, Anadi Roy; et al.

JOURNAL OF PROTEOMICS Volume: 127 Special Issue: SI Pages: 185-192 Part: A Published: SEP 8 2015

6,417. Effective temperature in steady-state dynamics from holography

By: Kundu, Arnab

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 042 Published: SEP 9 2015

6,418.Observation of electromagnetically induced transparency in six-level Rb atoms and theoretical simulation of the observed spectra

By: Bhattacharyya, Dipankar; Ghosh, Arindam; Bandyopadhyay, Amitava; et al.

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 48 Issue: 17 Special Issue: SI Article Number: 175503 Published: SEP 14 2015

6,419.Evolution of self-organized two-dimensional patterns of nanoclusters through demixing

By: Choudhuri, Madhumita; Iyengar, A. N. Sekar; Datta, Alokmay; et al.

PHYSICAL REVIEW E Volume: 92 Issue: 3 Article Number: 032907 Published: SEP 14 2015

6,420.Thickness-dependent blue shift in the excitonic peak of conformally grown ZnO:Al on ion-beam fabricated self-organized Si ripples

By: Basu, T.; Kumar, M.; Nandy, S.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 10 Article Number: 104903 Published: SEP 14 2015

6,421.Tuning magnetization, blocking temperature, cation distribution of nanosized  $\text{Co}_{0.2}\text{Zn}_{0.8}\text{Fe}_2\text{O}_4$  by mechanical activation

By: Dey, S.; Mondal, R.; Dey, S. K.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 10 Article Number: 103905 Published: SEP 14 2015

6,422.Coherent  $\rho(0)$  photoproduction in ultra-peripheral Pb-Pb collisions at  $\sqrt{s(\text{NN})}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): The ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 095 Published: SEP 15 2015

6,423.New limits on  $\tan \beta$  for 2HDMs with  $Z(2)$  symmetry

By: Das, Dipankar

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 30 Issue: 26 Article Number: 1550158 Published: SEP 20 2015

6,424.Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at  $\sqrt{s}=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 137 Published: SEP 21 2015

6,425.Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at  $\sqrt{s}=7$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 148 Published: SEP 22 2015

6,426.Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 92 Issue: 3 Article Number: 034911 Published: SEP 22 2015

6,427.Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Pages: 1-42 Article Number: 170 Published: SEP 24 2015

6,428.Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at  $\sqrt{s}=8$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 201 Published: SEP 29 2015

6,429.Epstein-Barr virus latent membrane protein 2A mediated activation of Sonic Hedgehog pathway induces HLA class Ia downregulation in gastric cancer cells

By: Pal, Anindita Deb; Banerjee, Subrata

VIROLOGY Volume: 484 Pages: 22-32 Published: OCT 2015

6,430.Precision measurement of the mass difference between light nuclei and anti-nuclei

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

NATURE PHYSICS Volume: 11 Issue: 10 Pages: 811-814 Published: OCT 2015

6,431.Construction and exact solution of a nonlinear quantum field model in quasi-higher dimension

By: Kundu, Anjan

NUCLEAR PHYSICS B Volume: 899 Pages: 1-13 Published: OCT 2015

6,432.Preparation, characterization and electrical study of gum arabic/ZnO nanocomposites

By: Barik, Puspendu; Bhattacharjee, Ashis; Roy, Madhusudan

BULLETIN OF MATERIALS SCIENCE Volume: 38 Issue: 6 Pages: 1609-1616 Published: OCT 2015

6,433.Conformation dependent electronic transport in a DNA double-helix

By: Kundu, Sourav; Karmakar, S. N.

AIP Advances Volume: 5 Issue: 10 Article Number: 107122 Published: OCT 2015

6,434.A comparative study about electronic structures at rubrene/Ag and Ag/rubrene interfaces

By: Sinha, Sumona; Mukherjee, M.

AIP Advances Volume: 5 Issue: 10 Article Number: 107204 Published: OCT 2015

- 6,435. Very high-energy gamma-ray observations of novae and dwarf novae with the MAGIC telescopes  
By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.  
ASTRONOMY & ASTROPHYSICS Volume: 582 Article Number: A67 Published: OCT 2015
- 6,436. Ion acoustic shock wave in collisional equal mass plasma  
By: Adak, Ashish; Ghosh, Samiran; Chakrabarti, Nikhil  
PHYSICS OF PLASMAS Volume: 22 Issue: 10 Article Number: 102307 Published: OCT 2015
- 6,437. Effect of Vanadium Substitution of Cobalt in NdCo<sub>2</sub>Si<sub>2</sub>  
By: Chowdhury, R. Roy; Dhara, S.; Bandyopadhyay, B.  
ACTA PHYSICA POLONICA A Volume: 128 Issue: 4 Pages: 530-532 Published: OCT 2015
- 6,438. Evidence of Formation of CoxCu<sub>1-x</sub> Nanoparticles with Core-Shell Structure  
By: Dhara, S.; Chowdhury, R. Roy; Bandyopadhyay, B.  
ACTA PHYSICA POLONICA A Volume: 128 Issue: 4 Pages: 533-535 Published: OCT 2015
- 6,439. Regulation of mitochondrial morphology and cell cycle by microRNA-214 targeting Mitofusin2  
By: Bucha, Sudha; Mukhopadhyay, Debashis; Bhattacharyya, Nitai Pada  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 465 Issue: 4 Pages: 797-802 Published: OCT 2 2015
- 6,440. Non-thermal Gravitino Production in Tribid Inflation  
By: Antusch, Stefan; Dutta, Koushik  
PHYSICAL REVIEW D Volume: 92 Issue: 8 Article Number: 083503 Published: OCT 2 2015
- 6,441. Classical-to-quantum crossover in the critical behavior of the transverse-field Sherrington-Kirkpatrick spin glass model  
By: Mukherjee, Sudip; Rajak, Atanu; Chakrabarti, Bikas K.  
PHYSICAL REVIEW E Volume: 92 Issue: 4 Article Number: 042107 Published: OCT 5 2015
- 6,442. Active-to-absorbing-state phase transition in an evolving population with mutation  
By: Sarkar, Niladri  
PHYSICAL REVIEW E Volume: 92 Issue: 4 Article Number: 042110 Published: OCT 5 2015
- 6,443. Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 749 Pages: 14-34 Published: OCT 7 2015
- 6,444. Measurement of charged jet production cross sections and nuclear modification in p-Pb collisions at root s(NN)=5.02 TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 749 Pages: 68-81 Published: OCT 7 2015

6,445. Focus point gauge mediation with incomplete adjoint messengers and gauge coupling unification

By: Bhattacharyya, Gautam; Yanagida, Tsutomu T.; Yokozaki, Norimi

PHYSICS LETTERS B Volume: 749 Pages: 82-87 Published: OCT 7 2015

6,446. Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 749 Pages: 187-209 Published: OCT 7 2015

6,447. Search for lepton-flavour-violating decays of the Higgs boson

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 749 Pages: 337-362 Published: OCT 7 2015

6,448. Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 749 Pages: 560-582 Published: OCT 7 2015

6,449. Charge Density Modulated Shape-Dependent Electrocatalytic Activity of Gold Nanoparticles for the Oxidation of Ascorbic Acid

By: Mandal, Debranjana; Mondal, Subrata; Senapati, Dulal; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 40 Pages: 23103-23112 Published: OCT 8 2015

6,450. Mesoscopic structure formation in condensed matter due to vacuum fluctuations

By: Sen, Siddhartha; Gupta, Kumar S.; Coey, J. M. D.

PHYSICAL REVIEW B Volume: 92 Issue: 15 Article Number: 155115 Published: OCT 9 2015

6,451. FIRST NuSTAR OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN

By: Furniss, A.; Noda, K.; Boggs, S.; et al.

Group Author(s): NuSTAR Team; MAGIC Collaboration; VERITAS Collaboration; et al.

ASTROPHYSICAL JOURNAL Volume: 812 Issue: 1 Article Number: 65 Published: OCT 10 2015

6,452. Proteome analysis of the triton-insoluble erythrocyte membrane skeleton

By: Basu, Avik; Harper, Sandra; Pesciotta, Esther N.; et al.

JOURNAL OF PROTEOMICS Volume: 128 Pages: 298-305 Published: OCT 14 2015

6,453. Hemoglobin interacting proteins and implications of spectrin hemoglobin interaction

By: Basu, Avik; Chakrabarti, Abhijit

JOURNAL OF PROTEOMICS Volume: 128 Pages: 469-475 Published: OCT 14 2015

6,454. Lattice bosons in a quasi-disordered environment: The effects of a superlattice potential on single particle and many particle properties

By: Ramakumar, R.; Das, A. N.; Sil, S.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 436 Pages: 814-820

Published: OCT 15 2015

6,455. No influence of a N=126 neutron-shell closure in fission-fragment mass distributions

By: Chaudhuri, A.; Ghosh, T. K.; Banerjee, K.; et al.

PHYSICAL REVIEW C Volume: 92 Issue: 4 Article Number: 041601 Published: OCT 16 2015

6,456. Non-susy D3 brane and an interpolating solution between AdS(5) black hole, AdS(5) soliton and a 'soft-wall' gravity solution

By: Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 113 Published: OCT 19 2015

6,457. Search for supersymmetry with photons in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 92 Issue: 7 Article Number: 072006 Published: OCT 19 2015

6,458. Derivation of the fluctuation-dissipation theorem from unitarity

By: Das, Ashok K.; Frenkel, J.

MODERN PHYSICS LETTERS A Volume: 30 Issue: 32 Article Number: 1550163 Published: OCT 20 2015

6,459. Comparison of the Z/ $\gamma^*$  plus jets to  $\gamma$  plus jets cross sections in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 128 Published: OCT 20 2015

6,460. Perturbative entanglement thermodynamics for AdS spacetime: renormalization

By: Mishra, Rohit; Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 129 Published: OCT 21 2015

6,461. Limits on the Higgs boson lifetime and width from its decay to four charged leptons

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 92 Issue: 7 Article Number: 072010 Published: OCT 22 2015

6,462. Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons



By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 144 Published: OCT 22 2015

6,463. Density dependent composition of InAs quantum dots extracted from grazing incidence x-ray diffraction measurements

By: Sharma, Manjula; Sanyal, Milan K.; Farrer, Ian; et al.

SCIENTIFIC REPORTS Volume: 5 Article Number: 15732 Published: OCT 28 2015

6,464. Measurements of the ZZ production cross sections in the 2l2 nu channel in proton-proton collisions at  $\sqrt{s}=7$  and 8 TeV and combined constraints on triple gauge couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 10 Article Number: 511 Published: OCT 29 2015

6,465. Study of metal specific interaction, F-LUMO and VL shift to understand interface of CuPc thin films and noble metal surfaces

By: Sinha, Sumona; Mukherjee, M.

APPLIED SURFACE SCIENCE Volume: 353 Pages: 540-547 Published: OCT 30 2015

6,466. Griffiths phase behaviour in a frustrated antiferromagnetic intermetallic compound

By: Ghosh, Krishanu; Mazumdar, Chandan; Ranganathan, R.; et al.

SCIENTIFIC REPORTS Volume: 5 Article Number: 15801 Published: OCT 30 2015

6,467. Magnon dispersion and single hole motion in 2D frustrated antiferromagnets with four-sublattice structures

By: Kar, Satyaki

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 393 Pages: 357-362 Published: NOV 1 2015

6,468. Solution phase photophysics of 5,7-dimethoxy-2,3,4,9-tetrahydro-1H-carbazol-1-one: Analysing the lineaments of a new fluorosensor to probe different micro-environments

By: Mitra, Amrit Krishna; Ghosh, Sujay; Sau, Abhishek; et al.

JOURNAL OF LUMINESCENCE Volume: 167 Pages: 233-248 Published: NOV 2015

6,469. Separation of no-carrier-added In-111 and Cd-109 from alpha-particle induced Ag target using glass wool surface

By: Lahiri, Susanta; Maiti, Moumita; Ghosh, Kaustab

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 306 Issue: 2 Pages: 469-475 Published: NOV 2015

6,470. Construction of classical and quantum integrable field models unravelling hidden possibilities

By: Kundu, Anjan

PRAMANA-JOURNAL OF PHYSICS Volume: 85 Issue: 5 Pages: 899-913 Published: NOV 2015

6,471. Monitoring the Competence of a New Keto-tetrahydrocarbazole Based Fluorosensor Under Homogeneous, Micro-Heterogeneous and Serum Albumin Environments

By: Mitra, Amrit Krishna; Sau, Abhishek; Bera, Subhas Chandra; et al.

JOURNAL OF FLUORESCENCE Volume: 25 Issue: 6 Pages: 1931-1949 Published: NOV 2015

6,472. Investigation on structural aspects of ZnO nano-crystal using radio-active ion beam and PAC

By: Ganguly, Bichitra Nandi; Dutta, Sreetama; Roy, Soma; et al.

Group Author(s): ISOLDE-Collaboration

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 362 Pages: 103-109 Published: NOV 1 2015

6,473. A study on the steady-state solutions of a Bursian diode in the presence of transverse magnetic field, when the electrons of the injected beam are turned back partially or totally

By: Pramanik, Sourav; Kuznetsov, V. I.; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 22 Issue: 11 Article Number: 112108 Published: NOV 2015

6,474. Mahogunin regulates fusion between amphisomes/MVBs and lysosomes via ubiquitination of TSG101

By: Majumder, P.; Chakrabarti, O.

CELL DEATH & DISEASE Volume: 6 Article Number: e1970 Published: NOV 2015

6,475. Biomineralization of hydroxyapatite in silver ion-exchanged nanocrystalline ZSM-5 zeolite using simulated body fluid

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup; et al.

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 135 Pages: 201-208 Published: NOV 1 2015

6,476. Novel 2,6-diformyl-4-methyl phenol based chemosensor for Zn-II ion by ratiometric displacement of Cd-II ion and its application for cell imaging on human melanoma cancer cells

By: Mitra, Debarshan; Venkatathari, N.; Sabharwal, S. C.; et al.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 92 Issue: 11 Pages: 1729-1745 Published: NOV 2015

6,477. Numerical studies on electrostatic field configuration of Resistive Plate Chambers for the INOICAL experiment

By: Jash, A.; Majumdar, N.; Mukhopadhyay, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 10 Article Number: P11009 Published: NOV 2015

6,478. Vector meson spectral function and dilepton rate in the presence of strong entanglement effect between the chiral and the Polyakov loop dynamics

By: Islam, Chowdhury Aminul; Majumder, Sarbani; Mustafa, Munshi G.

PHYSICAL REVIEW D Volume: 92 Issue: 9 Article Number: 096002 Published: NOV 2 2015

6,479. Nanoscale Mach-Zehnder interferometer with spin-resolved quantum Hall edge states

By: Karmakar, Biswajit; Venturelli, Davide; Chirolli, Luca; et al.

PHYSICAL REVIEW B Volume: 92 Issue: 19 Article Number: 195303 Published: NOV 3 2015

6,480. Search for a charged Higgs boson in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 018 Published: NOV 4 2015

6,481. Molecular Events in Lamin B1 Homopolymerization: A Biophysical Characterization

By: Bhattacharjee, Pritha; Dasgupta, Dipak; Sengupta, Kaushik

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 119 Issue: 44 Pages: 14014-14021 Published: NOV 5 2015

6,482. Conformation dependent magnetotransport in a single handed helical geometry

By: Saha, Srilekha; Maiti, Santanu K.; Karmakar, S. N.

PHYSICS LETTERS A Volume: 379 Issue: 43-44 Pages: 2848-2852 Published: NOV 6 2015

6,483. Additivity property and emergence of power laws in nonequilibrium steady states

By: Das, Arghya; Chatterjee, Sayani; Pradhan, Punyabrata; et al.

PHYSICAL REVIEW E Volume: 92 Issue: 5 Article Number: 052107 Published: NOV 6 2015

6,484. Role of interfacial friction for flow instabilities in a thin polar-ordered active fluid layer

By: Sarkar, Niladri; Basu, Abhik

PHYSICAL REVIEW E Volume: 92 Issue: 5 Article Number: 052306 Published: NOV 6 2015

6,485. The Unfolding MD Simulations of Cyclophilin: Analyzed by Surface Contact Networks and Their Associated Metrics

By: Roy, Sourav; Basu, Sankar; Dasgupta, Dipak; et al.

PLoS One Volume: 10 Issue: 11 Article Number: e0142173 Published: NOV 6 2015

6,486. Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Pages: 1-43 Article Number: 071 Published: NOV 11 2015

6,487. Angular coefficients of Z bosons produced in pp collisions at  $\sqrt{s}=8$  TeV and decaying to  $\mu^{+}\mu^{-}$  as a function of transverse momentum and rapidity

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 750 Pages: 154-175 Published: NOV 12 2015

6,488. Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 750 Pages: 494-519 Published: NOV 12 2015

6,489. Study of W boson production in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Adam, W.; Bergauer, T.; Dragicevic, M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 750 Pages: 565-586 Published: NOV 12 2015

6,490. One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 92 Issue: 5 Article Number: 054908 Published: NOV 19 2015

6,491. Centrality dependence of inclusive J/psi production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 127 Published: NOV 19 2015

6,492. Measurement of the differential cross section for top quark pair production in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 11 Article Number: 542 Published: NOV 20 2015

6,493. Properties of many-polaron in fractional dimensional space

By: Mohapatra, K. M.; Kar, S.; Panda, B. K.

MODERN PHYSICS LETTERS B Volume: 29 Issue: 31 Article Number: 1550191 Published: NOV 20 2015

6,494. Proper time method in de Sitter space

By: Das, Ashok K.; Kalauni, Pushpa

PHYSICAL REVIEW D Volume: 92 Issue: 10 Article Number: 104037 Published: NOV 23 2015

6,495. Pseudo-scalar form factors at three loops in QCD

By: Ahmed, Taushif; Gehrmann, Thomas; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 169 Published: NOV 24 2015

6,496. Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 189 Published: NOV 27 2015

6,497. Neutral triple vector boson production in Randall-Sundrum model at the LHC

By: Das, Goutam; Mathews, Prakash

PHYSICAL REVIEW D Volume: 92 Issue: 9 Article Number: 094034 Published: NOV 30 2015

6,498. Centrality dependence of high-p(T) D meson suppression in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 205 Published: NOV 30 2015

6,499. Training effects induced by cycling of magnetic field in ferromagnetic rich phase-separated nanocomposite manganites

By: Das, Kalipada; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 395 Pages: 23-27 Published: DEC 1 2015

6,500. Fluorescence study of the effect of cholesterol on spectrin-aminophospholipid interactions

By: Mitra, Madhurima; Patra, Malay; Chakrabarti, Abhijit

EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Volume: 44 Issue: 8 Pages: 635-645 Published: DEC 2015

6,501. Fractal dimension and complexity in the long-term dynamics of a monomolecular layer

By: Basak, Uttam Kumar; Datta, Alokmay

CHAOS SOLITONS & FRACTALS Volume: 81 Pages: 534-541 Part: B Published: DEC 2015

6,502. Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 92 Issue: 11 Article Number: 112001 Published: DEC 1 2015

6,503. Observation of upper drift modes in radio frequency produced magnetized plasmas with frequency above ion cyclotron frequency

By: Ghosh, Abhijit; Saha, S. K.; Chowdhury, S.; et al.

PHYSICS OF PLASMAS Volume: 22 Issue: 12 Article Number: 122111 Published: DEC 2015

6,504. Bending of solitons in weak and slowly varying inhomogeneous plasma

By: Mukherjee, Abhik; Janaki, M. S.; Kundu, Anjan

PHYSICS OF PLASMAS Volume: 22 Issue: 12 Article Number: 122114 Published: DEC 2015

6,505. Canard and mixed mode oscillations in an excitable glow discharge plasma in the presence of inhomogeneous magnetic field

By: Shaw, Pankaj Kumar; Iyengar, A. N. Sekar; Nurujjaman, Md.

PHYSICS OF PLASMAS Volume: 22 Issue: 12 Article Number: 122301 Published: DEC 2015

6,506. Anomalous Lense-Thirring precession in Kerr-Taub-NUT spacetimes

By: Chakraborty, Chandrachur

EUROPEAN PHYSICAL JOURNAL C Volume: 75 Issue: 12 Article Number: 572 Published: DEC 1 2015

6,507. Neutron skin thickness from the measured electric dipole polarizability in Ni-68, Sn-120, and Pb-208

By: Roca-Maza, X.; Vinas, X.; Centelles, M.; et al.

PHYSICAL REVIEW C Volume: 92 Issue: 6 Article Number: 064304 Published: DEC 8 2015

6,508. Hologram of a pure state black hole

By: Roy, Shubho R.; Sarkar, Debajyoti

PHYSICAL REVIEW D Volume: 92 Issue: 12 Article Number: 126003 Published: DEC 8 2015

6,509. Evidence for octupole correlation and chiral symmetry breaking in Cs-124

By: Selvakumar, K.; Singh, A. K.; Ghosh, Chandan; et al.

PHYSICAL REVIEW C Volume: 92 Issue: 6 Article Number: 064307 Published: DEC 10 2015

6,510. New Short-Lived Isotope U-221 and the Mass Surface Near N=126

By: Khuyagbaatar, J.; Yakushev, A.; Duellmann, Ch. E.; et al.

PHYSICAL REVIEW LETTERS Volume: 115 Issue: 24 Article Number: 242502 Published: DEC 10 2015

6,511. Positron annihilation spectroscopic studies of Mn substitution-induced cubic to tetragonal transformation in ZnFe<sub>2-x</sub>MnxO<sub>4</sub> (x=0.0-2.0) spinel nanocrystallites

By: Cyriac, Jincemon; Thankachan, Rahul Mundiyaniyil; Raneesh, B.; et al.

PHILOSOPHICAL MAGAZINE Volume: 95 Issue: 35 Pages: 4000-4022 Published: DEC 12 2015

6,512. A Bifunctional Nano-Electrocatalyst Based on a Flower-like Gold/Palladium Bimetallic Alloy Nanostructure and Its Graphene Hybrid

By: Sahu, Subash Chandra; Satpati, Biswarup; Besra, Laxmidhar; et al.

CHEMCATCHEM Volume: 7 Issue: 24 Pages: 4042-4049 Published: DEC 14 2015

6,513. Self-organized titanium oxide nano-channels for resistive memory application

By: Barman, A.; Saini, C. P.; Sarkar, P.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 22 Article Number: 224903 Published: DEC 14 2015

6,514. Effect of interfacial pinning on the thermo-remanent magnetization of disorder Mn<sub>50</sub>Ni<sub>38.5</sub>Sn<sub>11.5</sub> alloy

By: Ray, Mayukh K.; Bagani, K.; Banerjee, S.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 396 Pages: 26-30 Published: DEC 15 2015

6,515. Spin-2 form factors at three loop in QCD

By: Ahmed, Taushif; Das, Goutam; Mathews, Prakash; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 084 Published: DEC 15 2015

- 6,516. Pseudorapidity distribution of charged hadrons in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$   
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 751 Pages: 143-163 Published: DEC 17 2015
- 6,517. Inflationary predictions and moduli masses  
By: Das, Kumar; Dutta, Koushik; Maharana, Anshuman  
PHYSICS LETTERS B Volume: 751 Pages: 195-200 Published: DEC 17 2015
- 6,518. Coherent  $\psi(2S)$  photo-production in ultra-peripheral Pb-Pb collisions at  $\sqrt{s(NN)}=2.76\text{TeV}$   
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 751 Pages: 358-370 Published: DEC 17 2015
- 6,519. Phase transitions and order in two-dimensional generalized nonlinear sigma models  
By: Banerjee, Tirthankar; Sarkar, Niladri; Basu, Abhik  
PHYSICAL REVIEW E Volume: 92 Issue: 6 Article Number: 062133 Published: DEC 18 2015
- 6,520. VERY HIGH ENERGY gamma-RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE  $z=0.940$  BLAZAR PKS 1441+25 WITH MAGIC  
By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.  
Group Author(s): MAGIC Collaboration; Fermi-LAT Collaboration  
ASTROPHYSICAL JOURNAL LETTERS Volume: 815 Issue: 2 Article Number: L23 Published: DEC 20 2015
- 6,521. Magnetocaloric and phase coexistence in  $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3$  manganites  
By: Khondabi, M.; Ahmadvand, H.; Kameli, P.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 23 Article Number: 233908 Published: DEC 21 2015
- 6,522. Selective breaking of bonds in water with intense, 2-cycle, infrared laser pulses  
By: Mathur, D.; Dota, K.; Dey, D.; et al.  
JOURNAL OF CHEMICAL PHYSICS Volume: 143 Issue: 24 Article Number: 244310 Published: DEC 28 2015
- 6,523. Search for a light charged Higgs boson decaying to  $c\bar{s}$  in pp collisions at  $\sqrt{s}=8\text{TeV}$   
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 178 Published: DEC 29 2015
- 6,524. Effects of surface non-stoichiometry on the electronic structure of ultrathin  $\text{NiO}(001)$  film  
By: Das, Jayanta; Menon, Krishnakumar S. R.  
APPLIED SURFACE SCIENCE Volume: 359 Pages: 61-67 Published: DEC 30 2015

- 6,525. Large magnetocaloric effect near room temperature in polycrystalline (La<sub>0.7</sub>Y<sub>0.3</sub>)(O<sub>3</sub>)<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> compound  
By: Das, Kalipada; Banik, Sanjib; Das, I.  
MATERIALS RESEARCH BULLETIN Volume: 73 Pages: 256-260 Published: JAN 2016
- 6,526. Temporal evolution of Ge surface topography under keV ion irradiation: Combined effects of curvature-dependent sputter erosion and atomic redistribution  
By: Datta, D. P.; Garg, S. K.; Basu, T.; et al.  
APPLIED SURFACE SCIENCE Volume: 360 Pages: 131-142 Part: A Published: JAN 1 2016
- 6,527. Structural and magnetic investigations on a wet chemically synthesized nanoscale S=1/2 spin chain compound - CuSe<sub>2</sub>O<sub>5</sub>  
By: Shyam, Priyank; Chaturvedi, Smita; Karmakar, Koushik; et al.  
JOURNAL OF MATERIALS CHEMISTRY C Volume: 4 Issue: 3 Pages: 611-621 Published: 2016
- 6,528. Estimation of trace element concentration and neutron induced radioactivity in rock samples of different geological compositions for neutron shielding  
By: Pai, B. H. V.; Shanbhag, A. A.; Prabhath, Ravi K.; et al.  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 54 Issue: 1 Pages: 7-14 Published: JAN 2016
- 6,529. Biological activity of dendrimer-methylglyoxal complexes for improved therapeutic efficacy against malignant cells  
By: Ghosh, Srabanti; Chakraborty, Prabal; Chakrabarti, Adrita; et al.  
RSC ADVANCES Volume: 6 Issue: 8 Pages: 6631-6642 Published: 2016
- 6,530. Lagrangian and Hamiltonian structures in an integrable hierarchy and space-time duality  
By: Avan, Jean; Caudrelier, Vincent; Doikou, Anastasia; et al.  
NUCLEAR PHYSICS B Volume: 902 Pages: 415-439 Published: JAN 2016
- 6,531. Regrowth of Ge with different degrees of damage under thermal and athermal treatment  
By: Hooda, Sonu; Satpati, B.; Kumar, Tanuj; et al.  
RSC ADVANCES Volume: 6 Issue: 6 Pages: 4576-4586 Published: 2016
- 6,532. Growth of thiol-coated Au-nanoparticle Langmuir monolayers through a 2D-network of disk-like islands  
By: Mukhopadhyay, Mala; Hazra, S.  
RSC ADVANCES Volume: 6 Issue: 15 Pages: 12326-12336 Published: 2016
- 6,533. Study of cosmic ray events with high muon multiplicity using the ALICE detector at the CERN Large Hadron Collider  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 1 Article Number: 032 Published: JAN 2016



6,534. Low-lying states near the I- $\pi=6(+)$  isomer in Ag-108

By: Sethi, J.; Palit, R.; Carroll, J. J.; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 43 Issue: 1 Article Number: 015103 Published: JAN 2016

6,535. Seeding of Au on CdSe/CdS nanoplates using Langmuir-Blodgett technique

By: Das, Subhasis; Satpati, Biswarup; Chauhan, Himani; et al.

RSC ADVANCES Volume: 6 Issue: 18 Pages: 14658-14665 Published: 2016

6,536. Use of Spectroscopic Techniques to Reveal the Nature of the Interactions of Two Sialic Acid Specific Lectins with Gold Nanoparticles

By: Singha, Shuvendu; Dutta (Pal), Gopa; Bose, Partha P.; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 16 Issue: 1 Pages: 515-525 Published: JAN 2016

6,537. Characterization of oligomeric assembly of colonization factor CS6 from enterotoxigenic Escherichia coli

By: Sabui, Subrata; Debnath, Anusuya; Ghosal, Abhisek; et al.

MICROBIOLOGY-SGM Volume: 162 Pages: 72-83 Part: 1 Published: JAN 2016

6,538. Characterization of Dielectric Properties of Developed CdS-Gum Arabic Composites in Low Frequency Region

By: Barik, P.; Bhattacharjee, A.; Roy, M.

POLYMER COMPOSITES Volume: 37 Issue: 1 Pages: 108-114 Published: JAN 2016

6,539. Copper nanoparticles decorated polyaniline-zeolite nanocomposite for the nanomolar simultaneous detection of hydrazine and phenylhydrazine

By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup

CATALYSIS SCIENCE & TECHNOLOGY Volume: 6 Issue: 4 Pages: 1134-1145 Published: 2016

6,540. Growth of thiol-coated Au-nanoparticle Langmuir monolayers through a 2D-network of disk-like islands (vol 6, pg 12326, 2016)

By: Mukhopadhyay, Mala; Hazra, S.

RSC ADVANCES Volume: 6 Issue: 20 Pages: 16481-16481 Published: 2016

6,541. The effect of breakup of Li-6 on elastic scattering and fusion with Si-28 at near barrier energies

By: Sinha, Mandira; Roy, Subinit; Basu, P.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 25 Issue: 1 Article Number: 1650003 Published: JAN 2016

6,542. Dwarf galaxy gamma-excess and 3.55 keV X-ray line in a nonthermal Dark Matter model

By: Biswas, Anirban; Majumdar, Debasish; Roy, Probir

EPL Volume: 113 Issue: 2 Article Number: 29001 Published: JAN 2016

6,543. Giant magnetothermal conductivity and magnetostriction effect in the charge ordered Nd<sub>0.8</sub>Na<sub>0.2</sub>MnO<sub>3</sub> compound

By: Samantaray, B.; Khan, N.; Midya, A.; et al.

EPL Volume: 113 Issue: 1 Article Number: 17003 Published: JAN 2016

6,544. Design of a constant fraction discriminator for the VFAT3 front-end ASIC of the CMS GEM detector

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: C01023 Published: JAN 2016

6,545. Reconstruction and identification of tau lepton decays to hadrons and  $\nu(\tau)$  at CMS

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: P01019 Published: JAN 2016

6,546. Field-induced ferromagnetism due to magneto-striction in 1-D helical chains

By: Shaw, Bikash Kumar; Das, Mithun; Bhattacharyya, Anik; et al.

RSC ADVANCES Volume: 6 Issue: 27 Pages: 22980-22988 Published: 2016

6,547. Tracing ancient silk route by nuclear-analytical technique

By: Lahiri, Susanta; Maiti, Moumita; Gangopadhyay, Kaushik

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 307 Issue: 1 Pages: 225-228

Published: JAN 2016

6,548. Influence of monte carlo variance with fluence smoothing in VMAT treatment planning with Monaco TPS

By: Sarkar, B.; Manikandan, A.; Nandy, M.; et al.

INDIAN JOURNAL OF CANCER Volume: 53 Issue: 1 Pages: 158-161 Published: JAN-MAR 2016

6,549. Direct experimental observation of salt induced aspect ratio tunable PFPT silver-nanowire formation: SERS-based ppt level Hg<sup>2+</sup> sensing from ground water

By: Bhattacharya, M.; Mandal, A. R.; Das Chakraborty, S.; et al.

RSC ADVANCES Volume: 6 Issue: 51 Pages: 45279-45289 Published: 2016

6,550. Green silver nanoparticles for drug transport, bioactivities and a bacterium (*Bacillus subtilis*)-mediated comparative nano-patterning feature

By: Dey, B.; Mukherjee, S.; Mukherjee, N.; et al.

RSC ADVANCES Volume: 6 Issue: 52 Pages: 46573-46581 Published: 2016

6,551. Facile synthesis of a superhydrophobic and colossal broadband antireflective nanoporous GaSb surface

By: Datta, Debi Prasad; Garg, Sandeep K.; Thakur, Indrani; et al.

RSC ADVANCES Volume: 6 Issue: 54 Pages: 48919-48926 Published: 2016

6,552. Differential interactions of imatinib mesylate with the membrane skeletal protein spectrin and hemoglobin

By: Das, Debashree; Pramanik, Ushasi; Patra, Malay; et al.

RSC ADVANCES Volume: 6 Issue: 60 Pages: 55203-55210 Published: 2016

6,553. Shape-controlled cobalt phosphide nanoparticles as volatile organic solvent sensor

By: Pradhan, Bapi; Kumar, Gundam Sandeep; Dalui, Amit; et al.

JOURNAL OF MATERIALS CHEMISTRY C Volume: 4 Issue: 22 Pages: 4967-4977 Published: 2016

6,554. Identification of modes of interactions between 9-aminoacridine hydrochloride hydrate and serum proteins by low and high resolution spectroscopy and molecular modeling

By: Mitra, Piyali; Pal, Uttam; Maiti, Nakul Chandra; et al.

RSC ADVANCES Volume: 6 Issue: 58 Pages: 53454-53468 Published: 2016

6,555. Enhanced surface and interface diffusion in Ni-Bi bilayers by swift heavy ion irradiation

By: Siva, Vantari; Chettah, Abdelhak; Satpati, Biswarup; et al.

RSC ADVANCES Volume: 6 Issue: 64 Pages: 58950-58956 Published: 2016

6,556. A highly sensitive non-enzymatic hydrogen peroxide and hydrazine electrochemical sensor based on 3D micro-snowflake architectures of alpha-Fe<sub>2</sub>O<sub>3</sub>

By: Majumder, S.; Saha, B.; Dey, S.; et al.

RSC ADVANCES Volume: 6 Issue: 65 Pages: 59907-59918 Published: 2016

6,557. A real time colorimetric 'two in one' kit for tracking ppb levels of uric acid and Hg<sup>2+</sup> in live HeLa S3 cells and Hg<sup>2+</sup> induced keto-enol tautomerism

By: Kumari, Chanda; Sain, Dibyendu; Kumar, Ashish; et al.

RSC ADVANCES Volume: 6 Issue: 67 Pages: 62990-62998 Published: 2016

6,558. ZrO<sub>2</sub> supported Nano-ZSM-5 nanocomposite material for the nanomolar electrochemical detection of metol and bisphenol A

By: Kaur, Balwinder; Satpati, Biswarup; Srivastava, Rajendra

RSC ADVANCES Volume: 6 Issue: 70 Pages: 65736-65746 Published: 2016

6,559. Time-structuring in the evolution of 2D nanopatterns through interactions with substrate

By: Choudhuri, Madhumita; Datta, Alokmay

SOFT MATTER Volume: 12 Issue: 27 Pages: 5867-5875 Published: 2016

6,560. Exploration of magnetically separable Ag@Ag<sub>x</sub>Ni<sub>y</sub> core/graded-alloy-shell nanostructures

By: Kumar, Mukesh; Soni, Kiran; Satpati, Biswarup; et al.

CHEMICAL COMMUNICATIONS Volume: 52 Issue: 56 Pages: 8737-8740 Published: 2016

6,561. Capturing state-dependent dynamic events of GABA(A)-receptors: a microscopic look into the structural and functional insights

By: Payghan, Pavan V.; Bera, Indrani; Bhattacharyya, Dhananjay; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 34 Issue: 8 Pages: 1818-1837  
Published: 2016

6,562. Photoinduced ultrafast charge separation in colloidal 2-dimensional CdSe/CdS-Au hybrid nanoplatelets and corresponding application in photocatalysis

By: Chauhan, Himani; Kumar, Yogesh; Dana, Jayanta; et al.

NANOSCALE Volume: 8 Issue: 34 Pages: 15802-15812 Published: 2016

6,563. Probing protein adsorption on a nanoparticle surface using second harmonic light scattering

By: Das, A.; Chakrabarti, A.; Das, P. K.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 35 Pages: 24325-24331 Published: 2016

6,564. A dynamic chitosan-based self-healing hydrogel with tunable morphology and its application as an isolating agent

By: Maity, Santu; Datta, Arpita; Lahiri, Susanta; et al.

RSC ADVANCES Volume: 6 Issue: 84 Pages: 81060-81068 Published: 2016

6,565. Thermodynamic Partition Function from Quantum Theory for Black Hole Horizons in Loop Quantum Gravity

By: Majhi, Abhishek

ADVANCES IN HIGH ENERGY PHYSICS Article Number: 1068757 Published: 2016

6,566. The simultaneous emergence of free exciton emission and d(0) ferromagnetism for undoped ZnO nanoparticles

By: Ghose, Srabantika; Gogurla, N.; Ranganathan, R.; et al.

RSC ADVANCES Volume: 6 Issue: 87 Pages: 83909-83915 Published: 2016

6,567. Cu ion-exchanged and Cu nanoparticles decorated mesoporous ZSM-5 catalysts for the activation and utilization of phenylacetylene in a sustainable chemical synthesis

By: Sarmah, Bhaskar; Satpati, Biswarup; Srivastava, Rajendra

RSC ADVANCES Volume: 6 Issue: 90 Pages: 87066-87081 Published: 2016

6,568. Zero thermal expansion with high Curie temperature in Ho<sub>2</sub>Fe<sub>16</sub>Cr alloy

By: Dan, Shovan; Mukherjee, S.; Mazumdar, Chandan; et al.

RSC ADVANCES Volume: 6 Issue: 97 Pages: 94809-94814 Published: 2016

6,569. Hydrous TiO<sub>2</sub>@polypyrrole hybrid nanocomposite as an efficient selective scavenger for the defluoridation of drinking water

By: Parashar, Kamya; Ballav, Niladri; Debnath, Sushanta; et al.

RSC ADVANCES Volume: 6 Issue: 101 Pages: 99482-99495 Published: 2016

6,570. Direct observation of spatial configuration and structural stability of locked Y-shaped DNA structure

By: Paul, Tapas; Mishra, Padmaja P.

RSC ADVANCES Volume: 6 Issue: 105 Pages: 103270-103274 Published: 2016

6,571. Unusual ferromagnetic behaviour of embedded non-functionalized Au nanoparticles in Bi/Au bilayer films

By: Prusty, Sudakshina; Siva, Vantari; Shukla, Neeraj; et al.

RSC ADVANCES Volume: 6 Issue: 108 Pages: 106584-106590 Published: 2016

6,572. Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 006 Published: JAN 4 2016

6,573. Defect-engineered optical bandgap in self-assembled TiO<sub>2</sub> nanorods on Si pyramids

By: Saini, C. P.; Barman, A.; Satpati, B.; et al.

APPLIED PHYSICS LETTERS Volume: 108 Issue: 1 Article Number: 011907 Published: JAN 4 2016

6,574. Near room temperature giant magnetocaloric effect and giant negative magnetoresistance in Co, Ga substituted Ni-Mn-In Heusler alloy

By: Paramanik, Tapas; Das, I.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 654 Pages: 399-403 Published: JAN 5 2016

6,575. Neutron scattering study of the crystallographic and spin structure in antiferromagnetic EuZrO<sub>3</sub>

By: Saha, Rana; Sundaresan, A.; Sanyal, Milan K.; et al.

PHYSICAL REVIEW B Volume: 93 Issue: 1 Article Number: 014409 Published: JAN 8 2016

6,576. Search for resonant  $t(\bar{t})$  production in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 1 Article Number: 012001 Published: JAN 8 2016

6,577. A search for pair production of new light bosons decaying into muons

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 752 Pages: 146-168 Published: JAN 10 2016

6,578. Search for neutral MSSM Higgs bosons decaying to  $\mu(+)\mu(-)$  in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 752 Pages: 221-246 Published: JAN 10 2016

6,579. Search for weakly decaying  $(\Lambda n)_{\bar{}}$  and  $\Lambda\Lambda$  exotic bound states in central Pb-Pb collisions at  $\sqrt{S-NN}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 752 Pages: 267-277 Published: JAN 10 2016

6,580. Interplay of fission modes in mass distribution of light actinide nuclei Pa-225,Pa-227

By: Dubey, R.; Sugathan, P.; Jhingan, A.; et al.

PHYSICS LETTERS B Volume: 752 Pages: 338-343 Published: JAN 10 2016

6,581. Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 1 Article Number: 13 Published: JAN 11 2016

6,582. Universality of Citation Distributions for Academic Institutions and Journals

By: Chatterjee, Arnab; Ghosh, Asim; Chakrabarti, Bikas K.

PLOS ONE Volume: 11 Issue: 1 Article Number: e0146762 Published: JAN 11 2016

6,583. Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into tau leptons in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 079 Published: JAN 13 2016

6,584. Invariant features of spatial inequality in consumption: The case of India

By: Chatterjee, Arnab; Chakrabarti, Anindya S.; Ghosh, Asim; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 442 Pages: 169-181

Published: JAN 15 2016

6,585. Narrowing of Doppler and hyperfine line shapes of Rb - D-2 transition using a Vortex beam

By: Das, Bankim Chandra; Bhattacharyya, Dipankar; De, Sankar

CHEMICAL PHYSICS LETTERS Volume: 644 Pages: 212-218 Published: JAN 16 2016

6,586. Photoinduced Dynamics and Toxicity of a Cancer Drug in Proximity of Inorganic Nanoparticles under Visible Light

By: Chaudhuri, Siddhi; Sardar, Samim; Bagchi, Damayanti; et al.

CHEMPHYSICHEM Volume: 17 Issue: 2 Pages: 270-277 Published: JAN 18 2016

6,587. Observation of top quark pairs produced in association with a vector boson in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 096 Published: JAN 18 2016

6,588. Counterion effects on nano-confined metal-drug-DNA complexes

By: Biswas, Nupur; Chakraborty, Sreeja; Datta, Alokmay; et al.

BEILSTEIN JOURNAL OF NANOTECHNOLOGY Volume: 7 Pages: 62-67 Published: JAN 19 2016

- 6,589. Search for vectorlike charge  $2/3$  T quarks in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 93 Issue: 1 Article Number: 012003 Published: JAN 19 2016
- 6,590. Ceria-Containing Ordered Mesoporous Silica: Synthesis, Properties, and Applications  
By: Pal, Nabanita; Cho, Eun-Bum; Patra, Astam K.; et al.  
CHEMCATCHEM Volume: 8 Issue: 2 Pages: 285-303 Published: JAN 20 2016
- 6,591. Magnetic reconstructions in B-site doped manganites  
By: Pradhan, Kalpataru  
JOURNAL OF APPLIED PHYSICS Volume: 119 Issue: 3 Article Number: 033901 Published: JAN 21 2016
- 6,592. Study of B Meson Production in p plus Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV Using Exclusive Hadronic Decays  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 116 Issue: 3 Article Number: 032301 Published: JAN 22 2016
- 6,593. Search for the production of an excited bottom quark decaying to  $tW$  in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): Cms Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 166 Published: JAN 27 2016
- 6,594. Differential proteomic and genomic profiling of mouse striatal cell model of Huntington's disease and control; probable implications to the disease biology  
By: Choudhury, Kamalika Roy; Das, Srijit; Bhattacharyya, Nitai P.  
JOURNAL OF PROTEOMICS Volume: 132 Pages: 155-166 Published: JAN 30 2016
- 6,595. A Comparison of Four Different Conformations Adopted by Human Telomeric G-Quadruplex Using Computer Simulations  
By: Ray, Angana; Panigrahi, Swati; Bhattacharyya, Dhananjay  
BIOPOLYMERS Volume: 105 Issue: 2 Pages: 83-99 Published: FEB 2016
- 6,596. Crystal structure of phosphoglucomutase from Leishmania major at 3.5 angstrom resolution  
By: Waugh, Barnali; Sen, Udayaditya; Banerjee, Rahul  
BIOCHIMIE Volume: 121 Pages: 102-111 Published: FEB 2016
- 6,597. A two-component dark matter model with real singlet scalars confronting GeV gamma-ray excess from galactic centre and Fermi bubble  
By: Majumdar, Debasish; Modak, Kamakshya Prasad; Rakshit, Subhendu  
PRAMANA-JOURNAL OF PHYSICS Volume: 86 Issue: 2 Pages: 343-351 Published: FEB 2016

6,598. Giant low-field magnetocaloric effect in single-crystalline  $\text{EuTi}_{0.85}\text{Nb}_{0.15}\text{O}_3$

By: Roy, S.; Khan, N.; Mandal, P.

APL MATERIALS Volume: 4 Issue: 2 Article Number: 026102 Published: FEB 2016

6,599. REDUCTION FORMULAE FOR SYMMETRIC PRODUCTS OF SPIN MATRICES

By: Pal, Palash B.

REPORTS ON MATHEMATICAL PHYSICS Volume: 77 Issue: 1 Pages: 35-43 Published: FEB 2016

6,600. Limits to dark matter annihilation cross-section from a combined analysis of MAGIC and Fermi-LAT observations of dwarf satellite galaxies

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 2 Article Number: 039 Published: FEB 2016

6,601. High-Temperature Corrosion Behavior of Different Regions of Weldment of 2.25Cr-1Mo Steel in  $\text{SO}_2 + \text{O}_2$  Atmosphere

By: Ghosh, D.; Shukla, A. K.; Mitra, S. K.; et al.

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Volume: 25 Issue: 2 Pages: 421-430 Published: FEB 2016

6,602. Simple Growth of Faceted Au-ZnO Heteronanostructures on Silicon Substrates (Nanowires and Triangular Nanoflakes): A Shape and Defect Driven Enhanced Photocatalytic Performance under Visible Light (vol 7, pg 9486, 2015)

By: Ghosh, Arnab; Guha, Puspendu; Samantara, Aneeya K.; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 4 Pages: 2879-2879 Published: FEB 3 2016

6,603. Wilson lines and holographic entanglement entropy in Galilean conformal field theories

By: Basu, Rudranil; Riegler, Max

PHYSICAL REVIEW D Volume: 93 Issue: 4 Article Number: 045003 Published: FEB 3 2016

6,604. Significant enhancement of magnetoresistance with the reduction of particle size in nanometer scale

By: Das, Kalipada; Dasgupta, P.; Poddar, A.; et al.

SCIENTIFIC REPORTS Volume: 6 Article Number: 20351 Published: FEB 3 2016

6,605. Centrality dependence of pion freeze-out radii in Pb-Pb collisions at  $\sqrt{s(\text{NN})}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 2 Article Number: 024905 Published: FEB 4 2016

6,606. Impact of OH Radical-Initiated  $\text{H}_2\text{CO}_3$  Degradation in the Earth's Atmosphere via Proton-Coupled Electron Transfer Mechanism

By: Ghoshal, Sourav; Hazra, Montu K.



JOURNAL OF PHYSICAL CHEMISTRY A Volume: 120 Issue: 4 Pages: 562-575 Published: FEB 4 2016

6,607. Selective Recognition of H3.1K36 Dimethylation/H4K16 Acetylation Facilitates the Regulation of All-trans-retinoic Acid (ATRA)-responsive Genes by Putative Chromatin Reader ZMYND8

By: Adhikary, Santanu; Sanyal, Sulagna; Basu, Moitri; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 291 Issue: 6 Pages: 2664-2681 Published: FEB 5 2016

6,608. Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 116 Issue: 5 Article Number: 052002 Published: FEB 5 2016

6,609.  $p\bar{p}$  annihilation into  $D\bar{D}$  meson pair within an effective Lagrangian model

By: Shyam, R.; Lenske, H.

PHYSICAL REVIEW D Volume: 93 Issue: 3 Article Number: 034016 Published: FEB 9 2016

6,610. A Theoretical Model for the Associative Nature of Conference Participation

By: Smiljanic, Jelena; Chatterjee, Arnab; Kauppinen, Tomi; et al.

PLOS ONE Volume: 11 Issue: 2 Article Number: e0148528 Published: FEB 9 2016

6,611. Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 41-56 Published: FEB 10 2016

6,612. Forward-central two-particle correlations in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 126-139 Published: FEB 10 2016

6,613. S-3 symmetry and the quark mixing matrix

By: Das, Dipankar; Dey, Ujjal Kumar; Pal, Palash B.

PHYSICS LETTERS B Volume: 753 Pages: 315-318 Published: FEB 10 2016

6,614. Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 319-329 Published: FEB 10 2016

6,615. Search for a Higgs boson decaying into  $\gamma^*\gamma \rightarrow \ell\ell$  with low dilepton mass in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 341-362 Published: FEB 10 2016

6,616. Search for exotic decays of a Higgs boson into undetectable particles and one or more photons

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 363-388 Published: FEB 10 2016

6,617. Angular analysis of the decay  $B^0 \rightarrow K^{*0} \mu^+ \mu^-$  from pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 424-448 Published: FEB 10 2016

6,618. Azimuthal anisotropy of charged jet production in  $\sqrt{s(NN)}=2.76$  TeV Pb-Pb collisions

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 753 Pages: 511-525 Published: FEB 10 2016

6,619. Neutron-antineutron oscillations: Theoretical status and experimental prospects

By: Phillips, D. G., II; Snow, W. M.; Babul, K.; et al.

PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS Volume: 612 Pages: 1-45 Published: FEB 11 2016

6,620. Adsorption of nickel onto *Bacillus cereus* M-16(1): A mechanistic approach

By: Naskar, Animesh; Guha, Arun Kumar; Mukherjee, Manabendra; et al.

SEPARATION SCIENCE AND TECHNOLOGY Volume: 51 Issue: 3 Pages: 427-438 Published: FEB 11 2016

6,621. Entropic screening preserves non-equilibrium nature of nematic phase while enthalpic screening destroys it

By: Dan, K.; Roy, M.; Datta, A.

JOURNAL OF CHEMICAL PHYSICS Volume: 144 Issue: 6 Article Number: 064901 Published: FEB 14 2016

6,622. Field induced metamagnetic transitions in quasi-one-dimensional Ising spin chain  $\text{CoV}_2\text{O}_6$

By: Nandi, M.; Mandal, P.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 400 Pages: 121-124 Published: FEB 15 2016

6,623. Exchange bias effect in ferromagnetic  $\text{LaSrCoMnO}_6$  double perovskite: Consequence of spin glass-like ordering at low temperature

By: Sahoo, R. C.; Giri, S. K.; Dasgupta, Papri; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 658 Pages: 1003-1009 Published: FEB 15 2016

6,624. Ubiquitin-mediated regulation of the E3 ligase GP78 by MGRN1 in trans affects mitochondrial homeostasis

By: Mukherjee, Rukmini; Chakrabarti, Oishee

JOURNAL OF CELL SCIENCE Volume: 129 Issue: 4 Pages: 757-773 Published: FEB 15 2016

6,625. Flavour fields in steady state: stress tensor and free energy

By: Banerjee, Avik; Kundu, Arnab; Kundu, Sandipan

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 102 Published: FEB 16 2016

6,626. Study of temperature dependent zirconium silicide phases in Zr/Si structure by differential scanning calorimetry

By: Faruque, Sk Abdul Kader Md; Bhattachryya, Satya Ranjan; Sinha, Anil Kumar; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 49 Issue: 6 Article Number: 065102 Published: FEB 17 2016

6,627. Search for  $W \rightarrow tb$  in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 122 Published: FEB 18 2016

6,628. Measurement of the charge asymmetry in top quark pair production in pp collisions at  $\sqrt{s}=8$  TeV using a template method

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 3 Article Number: 034014 Published: FEB 18 2016

6,629. Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 116 Issue: 7 Published: FEB 18 2016

6,630. Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 2 Article Number: 86 Published: FEB 19 2016

6,631. Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 145 Published: FEB 22 2016

6,632. Correlations between jets and charged particles in PbPb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 156 Published: FEB 23 2016

6,633. New experimental investigation of the structure of Be-10 and C-16 by means of intermediate-energy sequential breakup

By: Dell'Aquila, D.; Lombardo, I.; Acosta, L.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 2 Article Number: 024611 Published: FEB 24 2016

6,634. Search for pair production of first and second generation leptoquarks in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration; Harkonen, J

PHYSICAL REVIEW D Volume: 93 Issue: 3 Article Number: 032004 Published: FEB 24 2016

6,635. Search for single production of scalar leptoquarks in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Butz, E; CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 3 Article Number: 032005 Published: FEB 24 2016

6,636. Screening out the non-Arrhenius behaviour of nematic-isotropic transition by room temperature ionic liquid

By: Dan, K.; Datta, A.; Yoshida, Y.; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 144 Issue: 8 Article Number: 084904 Published: FEB 28 2016

6,637. Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 2 Article Number: 024917 Published: FEB 29 2016

6,638. Evidence of ferromagnetism in vanadium substituted layered intermetallic compounds  $RE(\text{Co}_{1-x}\text{V}_x)_2\text{Si}_2$  ( $RE=\text{Pr}$  and  $\text{Nd}$ ;  $0 \leq x \leq 0.35$ )

By: Chowdhury, R. Roy; Dhara, S.; Bandyopadhyay, B.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 401 Pages: 998-1005 Published: MAR 1 2016

6,639. Narrowing of band gap and effective charge carrier separation in oxygen deficient  $\text{TiO}_2$  nanotubes with improved visible light photocatalytic activity

By: Choudhury, Biswajit; Bayan, Sayan; Choudhury, Amarjyoti; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 465 Pages: 1-10 Published: MAR 1 2016

6,640. Structure dependent hydrophobic and hydrophilic interactions between nickel(II) Schiff base complexes and serum albumins: Spectroscopic and docking studies

By: Seth, Banabithi Koley; Ray, Aurkie; Banerjee, Mousumi; et al.  
JOURNAL OF LUMINESCENCE Volume: 171 Pages: 85-97 Published: MAR 2016

6,641. LEED and photoemission study of growth and structural evolution of Sn on Ag(001)

By: Chakraborty, Suvankar; Menon, Krishnakumar S. R.  
VACUUM Volume: 125 Pages: 106-112 Published: MAR 2016

6,642. Effect of ion beam parameters on engineering of nanoscale voids and their stability under post-growth annealing

By: Hooda, Sonu; Khan, S. A.; Satpati, B.; et al.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 3 Article Number: UNSP 227 Published: MAR 2016

6,643. Evaluation of the Majorana phases of a general Majorana neutrino mass matrix: Testability of hierarchical flavour models

By: Samanta, Rome; Chakraborty, Mainak; Ghosal, Ambar  
NUCLEAR PHYSICS B Volume: 904 Pages: 86-105 Published: MAR 2016

6,644. Supersymmetric analogue of BCN type rational integrable models with polarized spin reversal operators

By: Banerjee, P.; Basu-Mallick, B.; Bondyopadhaya, N.; et al.  
NUCLEAR PHYSICS B Volume: 904 Pages: 297-326 Published: MAR 2016

6,645. Low Gilbert damping and in-plane magnetic anisotropy in Ni-Mn-Sn thin film with high L2(1) order

By: Modak, Rajkumar; Samantaray, B.; Mandal, P.; et al.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 122 Issue: 3 Article Number: 252 Published: MAR 2016

6,646. Across the energy scale: from eV to GeV

By: Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 307 Issue: 3 Pages: 1571-1586 Published: MAR 2016

6,647. Separation of Er-163 from dysprosium target: a step toward neutrino mass measurement through electron capture of Ho-163

By: Maiti, Moumita; Lahiri, Susanta; Szucs, Zoltan  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 307 Issue: 3 Pages: 1667-1673 Published: MAR 2016

6,648. Platelet proteomics in thalassemia: Factors responsible for hypercoagulation

By: Karmakar, Shilpita; Banerjee, Debasis; Chakrabarti, Abhijit  
PROTEOMICS CLINICAL APPLICATIONS Volume: 10 Issue: 3 Pages: 239-247 Published: MAR 2016

6,649. Simulation results of liquid and plastic scintillator detectors for reactor antineutrino detection - A comparison

By: Kashyap, V. K. S.; Pant, L. M.; Mohanty, A. K.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: P03005 Published: MAR 2016

6,650. Onset of normal and inverse homoclinic bifurcation in a double plasma system near a plasma fireball

By: Mitra, Vramori; Sarma, Bornali; Sarma, Arun; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 3 Article Number: 032304 Published: MAR 2016

6,651. Effect of excess hafnium on HfO<sub>2</sub> crystallization temperature and leakage current behavior of HfO<sub>2</sub>/Si metal-oxide-semiconductor devices

By: Biswas, Debaleen; Singh, Manavendra Narayan; Sinha, Anil Kumar; et al.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 34 Issue: 2 Article Number: 022201

Published: MAR 2016

6,652. Dilepton rate and quark number susceptibility with the Gribov action

By: Bandyopadhyay, Aritra; Haque, Najmul; Mustafa, Munshi G.; et al.

PHYSICAL REVIEW D Volume: 93 Issue: 6 Article Number: 065004 Published: MAR 2 2016

6,653. Spectral anion sensing and gamma-radiation induced magnetic modifications of polyphenol generated Ag-nanoparticles

By: Ansari, Zarina; Dhara, Susmita; Bandyopadhyay, Bilwadal; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 156

Pages: 98-104 Published: MAR 5 2016

6,654. Giant enhancement of magnetocaloric effect at room temperature by the formation of nanoparticle of La<sub>0.48</sub>Ca<sub>0.52</sub>MnO<sub>3</sub> compound

By: Das, Kalipada; Das, I.

JOURNAL OF APPLIED PHYSICS Volume: 119 Issue: 9 Article Number: 093903 Published: MAR 7

2016

6,655. Measurement of the  $t\bar{t}$  production cross section in the all-jets final state in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 3 Article Number: 128 Published: MAR 8

2016

6,656. Measurements of  $t\bar{t}$  spin correlations and top quark polarization using dilepton final states in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 5 Article Number: 052007 Published: MAR 9 2016

6,657. Predictive Coding: A Possible Explanation of Filling-In at the Blind Spot

By: Raman, Rajani; Sarkar, Sandip

PLOS ONE Volume: 11 Issue: 3 Article Number: e0151194 Published: MAR 9 2016

6,658. Transverse momentum spectra of inclusive b jets in pPb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 754 Pages: 59-80 Published: MAR 10 2016

6,659. Measurement of electrons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 754 Pages: 81-93 Published: MAR 10 2016

6,660. Direct photon production in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 754 Pages: 235-248 Published: MAR 10 2016

6,661.  $(3)(\Lambda)_{\text{Hand}}(3)((\Lambda)_{\text{over-bar}})(H)_{\text{over-bar}}$  production in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 754 Pages: 360-372 Published: MAR 10 2016

6,662. Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 754 Pages: 373-385 Published: MAR 10 2016

6,663. MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013

By: Balokovic, M.; Paneque, D.; Madejski, G.; et al.

Group Author(s): NuSTAR Team; VERITAS Collaboration; MAGIC Collaboration

ASTROPHYSICAL JOURNAL Volume: 819 Issue: 2 Article Number: 156 Published: MAR 10 2016

6,664. Review of QCD, quark-gluon plasma, heavy quark hybrids, and heavy quark state production in p-p and A-A collisions

By: Kisslinger, Leonard S.; Das, Debasish

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 31 Issue: 7 Article Number: 1630010

Published: MAR 10 2016

6,665. Measurement of D-s(+) product ion and nuclear modification factor in Pb-Pb collisions at root S-NN=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 082 Published: MAR 14 2016

6,666. Transverse momentum dependence of D-meson production in Pb-Pb collisions at root S-NN=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 081 Published: MAR 14 2016

6,667. Decoupling of gravity on non-susy Dp branes

By: Nayek, Kuntal; Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 102 Published: MAR 15 2016

6,668. Large adiabatic temperature and magnetic entropy changes in EuTiO3

By: Midya, A.; Mandal, P.; Rubi, Km.; et al.

PHYSICAL REVIEW B Volume: 93 Issue: 9 Article Number: 094422 Published: MAR 16 2016

6,669. Event generator tunes obtained from underlying event and multiparton scattering measurements

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 3 Article Number: 155 Published: MAR 17 2016

6,670. Search for excited leptons in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 125 Published: MAR 17 2016

6,671. Structure of Te-132(52)80: The two-particle and two-hole spectrum of Sn-132(50)82

By: Biswas, S.; Palit, R.; Navin, A.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 3 Article Number: 034324 Published: MAR 21 2016

6,672. Improved dark matter search results from PICO-2L Run 2

By: Amole, C.; Ardid, M.; Arnquist, I. J.; et al.

Group Author(s): PICO Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 6 Article Number: 061101 Published: MAR 21 2016

6,673. Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration



PHYSICAL REVIEW D Volume: 93 Issue: 5 Article Number: 052011 Published: MAR 22 2016

6,674. Three-dimensional super Yang-Mills with compressible quark matter

By: Faedo, Anton F.; Kundu, Arnab; Mateos, David; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 154 Published: MAR 22 2016

6,675. Structural and Electrical Properties of MoTe<sub>2</sub> and MoSe<sub>2</sub> Grown by Molecular Beam Epitaxy

By: Roy, Anupam; Movva, Hema C. P.; Satpati, Biswarup; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 11 Pages: 7396-7402 Published: MAR 23 2016

6,676. Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 3 Article Number: 034913 Published: MAR 25 2016

6,677. Dark matter search results from the PICO-60 CF<sub>3</sub>I bubble chamber

By: Amole, C.; Ardid, M.; Asner, D. M.; et al.

Group Author(s): PICO Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 5 Article Number: 052014 Published: MAR 28 2016

6,678. Three-loop hard-thermal-loop perturbation theory thermodynamics at finite temperature and finite baryonic and isospin chemical potential

By: Andersen, Jens O.; Haque, Najmul; Mustafa, Munshi G.; et al.

PHYSICAL REVIEW D Volume: 93 Issue: 5 Article Number: 054045 Published: MAR 29 2016

6,679. Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 3 Article Number: 034916 Published: MAR 31 2016

6,680. Size-induced modification of magneto-transport properties in nanocrystalline Sm<sub>0.5</sub>Ca<sub>0.5</sub>MnO<sub>3</sub> compound

By: Banik, Sanjib; Das, Kalipada; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 403 Pages: 36-40 Published: APR 1 2016

6,681. Detection of base-pair mismatches in DNA using graphene-based nanopore device

By: Kundu, Sourav; Karmakar, S. N.

NANOTECHNOLOGY Volume: 27 Issue: 13 Article Number: 135101 Published: APR 1 2016

6,682. Hybrid Simulation Approach Incorporating Microscopic Interaction Along with Rigid Body Degrees of Freedom for Stacking Between Base Pairs

By: Mondal, Manas; Halder, Sukanya; Chakrabarti, Jaydeb; et al.  
BIOPOLYMERS Volume: 105 Issue: 4 Pages: 212-226 Published: APR 2016

6,683. Low temperature structural phase transition in hafnium and zirconium tetrafluoride trihydrates  
By: Dey, S. K.; Dey, C. C.; Saha, S.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 91 Pages: 18-24 Published: APR 2016

6,684. Experimental investigation of T=1 analog states of Al-26 and Mg-26  
By: Srivastava, Vishal; Bhattacharya, C.; Rana, T. K.; et al.  
PHYSICAL REVIEW C Volume: 93 Issue: 4 Article Number: 044601 Published: APR 1 2016

6,685. Highly Efficient CeO<sub>2</sub> Decorated Nano-ZSM-5 Catalyst for Electrochemical Oxidation of Methanol  
By: Kaur, Balwinder; Srivastava, Rajendra; Satpati, Biswarup  
ACS CATALYSIS Volume: 6 Issue: 4 Pages: 2654-2663 Published: APR 2016

6,686. Anisotropic Flow of Charged Particles in Pb-Pb Collisions at root S-NN=5.02 TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 116 Issue: 13 Article Number: 132302 Published: APR 1 2016

6,687. Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at root s=7 and 8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 005 Published: APR 1 2016

6,688. Erythrocyte and platelet proteomics in hematological disorders  
By: Chakrabarti, Abhijit; Halder, Suchismita; Karmakar, Shilpita  
PROTEOMICS CLINICAL APPLICATIONS Volume: 10 Issue: 4 Special Issue: SI Pages: 403-414  
Published: APR 2016

6,689. Surface magnetism of NiO investigated by magnetic spectromicroscopies  
By: Mandal, Suman; Das, Jayanta; Menon, Krishnakumar S. R.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA Volume: 208 Special Issue: SI  
Pages: 51-55 Published: APR 2016

6,690. Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO<sub>4</sub> crystals  
By: Adams, T.; Adzic, P.; Ahuja, S.; et al.  
JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: P04012 Published: APR 2016

6,691. The simulation of the response of superheated emulsion to alpha particles  
By: Seth, Susnata; Das, Mala  
JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: P04015 Published: APR 2016

6,692. Effect of double local quenches on the Loschmidt echo and entanglement entropy of a one-dimensional quantum system

By: Rajak, Atanu; Divakaran, Uma

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: 043107

Published: APR 2016

6,693. Mn-Doping in NiO Nanoparticles: Defects-Modifications and Associated Effects Investigated Through Positron Annihilation Spectroscopy

By: Das, Anjan; Mandal, Atis Chandra; Roy, Soma; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 16 Issue: 4 Pages: 4153-4163

Published: APR 2016

6,694. Comparison of the  $Z/\gamma^* + \text{jets}$  to  $\gamma + \text{jets}$  cross sections in pp collisions at  $\sqrt{s} = 8$  (vol 10, 128, 2015)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 010 Published: APR 4 2016

6,695. Inclusive quarkonium production at forward rapidity in pp collisions at  $\sqrt{s}=8$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 4 Article Number: 184 Published: APR 5 2016

6,696. Search for anomalous single top quark production in association with a photon in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 035 Published: APR 6 2016

6,697. Correlation of the neutron star crust-core properties with the slope of the symmetry energy and the lead skin thickness

By: Pais, H.; Sulaksono, A.; Agrawal, B. K.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 4 Article Number: 045802 Published: APR 7 2016

6,698. Measurement of the top quark mass using proton-proton data at  $\sqrt{s}=7$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 7 Article Number: 072004 Published: APR 7 2016

6,699. Magnetic and magnetocaloric properties of quasi-one-dimensional Ising spin chain  $\text{CoV}_2\text{O}_6$

By: Nandi, M.; Mandal, P.

JOURNAL OF APPLIED PHYSICS Volume: 119 Issue: 13 Article Number: 133904 Published: APR 7 2016

- 6,700. Self-decorated Au nanoparticles on antireflective Si pyramids with improved hydrophobicity  
By: Saini, C. P.; Barman, A.; Kumar, M.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 119 Issue: 13 Article Number: 134904 Published: APR 7 2016
- 6,701. Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at root  $S_{NN}=2.76$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration; ALICE Collaboration  
PHYSICAL REVIEW C Volume: 93 Issue: 4 Article Number: 044903 Published: APR 8 2016
- 6,702. Search for new phenomena in monophoton final states in proton-proton collisions at root  $s=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 755 Pages: 102-124 Published: APR 10 2016
- 6,703. Search for  $W^+$  decaying to tau lepton and neutrino in proton-proton collisions at root  $s=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 755 Pages: 196-216 Published: APR 10 2016
- 6,704. Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with  $h \rightarrow \tau\tau$   
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 755 Pages: 217-244 Published: APR 10 2016
- 6,705. Probing clustering in excited alpha-conjugate nuclei  
By: Borderie, B.; Raduta, Ad. R.; Ademard, G.; et al.  
PHYSICS LETTERS B Volume: 755 Pages: 475-480 Published: APR 10 2016
- 6,706. Galilean Yang-Mills theory  
By: Bagchi, Arjun; Basu, Rudranil; Kakkar, Ashish; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 051 Published: APR 11 2016
- 6,707. Critical behavior of a two-dimensional complex fluid: Macroscopic and mesoscopic views  
By: Choudhuri, Madhumita; Datta, Alokmay  
PHYSICAL REVIEW E Volume: 93 Issue: 4 Article Number: 042804 Published: APR 13 2016
- 6,708. Measurement of top quark polarisation in t-channel single top quark production  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 073 Published: APR 13 2016

6,709. Highly Efficient Silver Nanoparticles Supported Nanocrystalline Zirconosilicate Catalyst for the Epoxidation and Hydration Reactions

By: Sarmah, Bhaskar; Srivastava, Rajendra; Satpati, Biswarup

CHEMISTRYSELECT Volume: 1 Issue: 5 Pages: 1047-1056 Published: APR 16 2016

6,710. Effects of variation of environmental parameters on the performance of Resistive Plate Chamber detectors

By: Meghna, K. K.; Biswas, S.; Jash, A.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 816 Pages: 1-8 Published: APR 21 2016

6,711. Sensitivity of elements of the symmetry energy of nuclear matter to the properties of neutron-rich systems

By: Mondal, C.; Agrawal, B. K.; De, J. N.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 4 Article Number: 044328 Published: APR 25 2016

6,712. Probing the fusion of Li-7 with Ni-64 at near-barrier energies

By: Shaikh, Md Moin; Roy, Subinit; Rajbanshi, S.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 4 Article Number: 044616 Published: APR 25 2016

6,713. Pionic dispersion relations in the presence of a weak magnetic field

By: Adhya, Souvik Priyam; Mandal, Mahatsab; Biswas, Subhrajyoti; et al.

PHYSICAL REVIEW D Volume: 93 Issue: 7 Article Number: 074033 Published: APR 25 2016

6,714. Integrable open spin chains related to infinite matrix product states

By: Basu-Mallick, B.; Finkel, F.; Gonzalez-Lopez, A.

PHYSICAL REVIEW B Volume: 93 Issue: 15 Article Number: 155154 Published: APR 26 2016

6,715. Search for heavy Majorana neutrinos in  $e^{+/-}e^{+/-}+$  jets and  $e^{+/-}\mu^{+/-}+$  jet events in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 169 Published: APR 27 2016

6,716. Magnetoelectric coupling and exchange bias effects in multiferroic NdCrO<sub>3</sub>

By: Indra, A.; Dey, K.; Midya, A.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 28 Issue: 16 Article Number: 166005  
Published: APR 27 2016

6,717. Giant spontaneous exchange bias effect in Sm<sub>1.5</sub>Ca<sub>0.5</sub>CoMnO<sub>6</sub> perovskite

By: Giri, S. K.; Sahoo, R. C.; Dasgupta, Papri; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 49 Issue: 16 Article Number: 165002  
Published: APR 27 2016

6,718. Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 116 Issue: 17 Article Number: 172302 Published: APR 27 2016

6,719. Search for massive WH resonances decaying into the  $l \nu b(\bar{b})$  final state at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 5 Article Number: 237 Published: APR 28 2016

6,720. Circulating persistent current and induced magnetic field in a fractal network

By: Saha, Srilekha; Maiti, Santanu K.; Karmakar, S. N.

PHYSICS LETTERS A Volume: 380 Issue: 20 Pages: 1741-1749 Published: APR 29 2016

6,721. Decoherence dynamics of interacting qubits coupled to a bath of local optical phonons

By: Lone, Muzalifar Qadir; Yarlagadda, S.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 30 Issue: 11 Article Number: 1650063 Published: APR 30 2016

6,722. Production of  $K^*(892)(0)$  and  $\phi(1020)$  in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 5 Article Number: 245 Published: APR 30 2016

6,723. Excited state hydrogen bonding fluorescent probe: Role of structure and environment

By: Dey, Debarati; Sarangi, Manas Kumar; Ray, Angana; et al.

JOURNAL OF LUMINESCENCE Volume: 173 Pages: 105-112 Published: MAY 2016

6,724. Spectroscopic investigations of L-shell ionization in heavy elements by electron impact

By: Rahangdale, H. V.; Mitra, D.; Das, P. K.; et al.

JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER Volume: 174 Pages: 79-87 Published: MAY 2016

6,725. Nanopores formation and shape evolution in Ge during intense ionizing irradiation

By: Hooda, Sonu; Khan, S. A.; Satpati, B.; et al.

MICROPOROUS AND MESOPOROUS MATERIALS Volume: 225 Pages: 323-330 Published: MAY 1 2016

6,726. Oxidation kinetics of films on Si by differential scanning calorimetry

By: Faruque, Sk Abdul Kader Md; Sinha, Anil Kumar; Chakraborty, Supratic

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 27 Issue: 5 Pages: 4923-4927 Published: MAY 2016

6,727. Development of a plasma assisted ITER level controlled heat source and observation of novel micro/nanostructures produced upon exposure of tungsten targets

By: Aomoa, N.; Sarmah, Trinayan; Sah, Puspallata; et al.

FUSION ENGINEERING AND DESIGN Volume: 106 Pages: 63-70 Published: MAY 2016

6,728. Explaining low energy gamma-ray excess from the galactic centre using a two-component dark matter model

By: Biswas, Anirban

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 43 Issue: 5 Article Number: 055201 Published: MAY 2016

6,729. Huntingtin interacting protein HYPK is a negative regulator of heat shock response and is downregulated in models of Huntington's Disease

By: Das, Srijit; Bhattacharyya, Nitai Pada

EXPERIMENTAL CELL RESEARCH Volume: 343 Issue: 2 Pages: 107-117 Published: MAY 1 2016

6,730. Deep observation of the NGC1275 region with MAGIC: search of diffuse gamma-ray emission from cosmic rays in the Perseus cluster

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 589 Article Number: A33 Published: MAY 2016

6,731. Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes

By: Thies, R.; Heinz, A.; Adachi, T.; et al.

Group Author(s): R3B Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 5 Article Number: 054601 Published: MAY 2 2016

6,732. Clinical proteomics of enervated neurons

By: Sengupta, Mohor Biplab; Chakrabarti, Arunabha; Saha, Suparna; et al.

CLINICAL PROTEOMICS Volume: 13 Article Number: 10 Published: MAY 5 2016

6,733. Measurement of the ratio  $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi \phi(1020))$  in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 756 Pages: 84-102 Published: MAY 10 2016

6,734. Long-range and short-range magnetic correlations, and microscopic origin of net magnetization in the spin-1 trimer chain compound  $\text{CaNi}_3\text{P}_4\text{O}_{14}$

By: Bera, A. K.; Yusuf, S. M.; Kumar, Amit; et al.

PHYSICAL REVIEW B Volume: 93 Issue: 18 Article Number: 184409 Published: MAY 10 2016

6,735. Conformational Changes Followed by Complete Unzipping of DNA Double Helix by Charge-Tuned Gold Nanoparticles

By: Bera, Subhas C.; Sanyal, Kasturi; Senapati, Dulal; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 120 Issue: 18 Pages: 4213-4220 Published: MAY 12 2016

6,736. Measurement of the inclusive jet cross section in pp collisions at  $\sqrt{s}=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 5 Article Number: 265 Published: MAY 12 2016

6,737. Thermal spike effect in sputtering of porous germanium to form surface pattern by high energy heavy ions irradiation

By: Hooda, Sonu; Khan, S. A.; Satpati, B.; et al.

APPLIED PHYSICS LETTERS Volume: 108 Issue: 20 Article Number: 201603 Published: MAY 16 2016

6,738. A systems biology pipeline identifies new immune and disease related molecular signatures and networks in human cells during microgravity exposure

By: Mukhopadhyay, Sayak; Saha, Rohini; Palanisamy, Anbarasi; et al.

SCIENTIFIC REPORTS Volume: 6 Article Number: 25975 Published: MAY 17 2016

6,739. Centrality dependence of charged jet production in p-Pb collisions at  $\sqrt{(NN)}-N-S=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 5 Published: MAY 17 2016

6,740. Multipion Bose-Einstein correlations in pp, p-Pb, and Pb-Pb collisions at energies available at the CERN Large Hadron Collider

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 93 Issue: 5 Article Number: 054908 Published: MAY 18 2016

6,741. Measurement of the top quark mass using charged particles in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 9 Article Number: 092006 Published: MAY 18 2016

6,742. Chemical Tailoring of Band Offsets at the Interface of ZnSe-CdS Heterostructures for Delocalized Photoexcited Charge Carriers

By: Dalui, Amit; Chakraborty, Arup; Thupakula, Umamahesh; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 120 Issue: 19 Pages: 10118-10128 Published: MAY 19 2016



6,743. Generalized Kadanoff-Baym relation in nonequilibrium quenched models

By: Britto, A. L. M.; Das, Ashok K.; Frenkel, J.

PHYSICAL REVIEW D Volume: 93 Issue: 10 Article Number: 105034 Published: MAY 23 2016

6,744. Particle identification in ALICE: a Bayesian approach

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL PLUS Volume: 131 Issue: 5 Article Number: 168 Published: MAY 25 2016

6,745. A high-temperature ferromagnetic topological insulating phase by proximity coupling

By: Katmis, Ferhat; Lauter, Valeria; Nogueira, Flavio S.; et al.

NATURE Volume: 533 Issue: 7604 Pages: 513+ Published: MAY 26 2016

6,746. Dynamics of electron density, spin-phonon coupling, and dielectric properties of SmFeO<sub>3</sub> nanoparticles at the spin-reorientation temperature: Role of exchange striction

By: Chaturvedi, Smita; Shyam, Priyank; Apte, Amey; et al.

PHYSICAL REVIEW B Volume: 93 Issue: 17 Article Number: 174117 Published: MAY 26 2016

6,747. Search for supersymmetry in pp collisions at root s=8 TeV in final states with boosted W bosons and b jets using razor variables

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 9 Article Number: 092009 Published: MAY 26 2016

6,748. Differential studies of inclusive J/psi and psi (2S) production at forward rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 179 Published: MAY 31 2016

6,749. Effect of morphology on the magnetic properties of Gd<sub>2</sub>O<sub>3</sub> nanotubes

By: Paul, Rima; Sen, Pintu; Das, I.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 80 Pages: 149-154 Published: JUN 2016

6,750. Inequality measures in kinetic exchange models of wealth distributions

By: Ghosh, Asim; Chatterjee, Arnab; Inoue, Jun-ichi; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 451 Pages: 465-474 Published: JUN 1 2016

6,751. Low temperature structural modification in Rb<sub>2</sub>ZrF<sub>6</sub>: Investigations by perturbed angular correlation spectroscopy

By: Dey, S. K.; Dey, C. C.; Saha, S.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 93 Pages: 145-156 Published: JUN 2016

6,752. Structural and Electronic Transformations of Pt/C, Pd@Pt(1 ML)/C and Pd@Pt(2 ML)/C Cathode Catalysts in Polymer Electrolyte Fuel Cells during Potential-step Operating Processes Characterized by In-situ Time-resolved XAFS

By: Nagamatsu, Shin-ichi; Takao, Shinobu; Samjeske, Gabor; et al.

SURFACE SCIENCE Volume: 648 Special Issue: SI Pages: 100-113 Published: JUN 2016

6,753. One-Step Dual Template Mediated Synthesis of Nanocrystalline Zeolites of Different Framework Structures

By: Rani, Poonam; Srivastava, Rajendra; Satpati, Biswarup

CRYSTAL GROWTH & DESIGN Volume: 16 Issue: 6 Pages: 3323-3333 Published: JUN 2016

6,754. Chaperone-like protein HYPK and its interacting partners augment autophagy

By: Choudhury, Kamalika Roy; Bucha, Sudha; Baksi, Shounak; et al.

EUROPEAN JOURNAL OF CELL BIOLOGY Volume: 95 Issue: 6-7 Pages: 182-194 Published: JUN-JUL 2016

6,755. Inhibition of Porcine Pancreatic Amylase Activity by Sulfamethoxazole: Structural and Functional Aspect

By: Maity, Sujan; Mukherjee, Koel; Banerjee, Amrita; et al.

PROTEIN JOURNAL Volume: 35 Issue: 3 Pages: 237-246 Published: JUN 2016

6,756. MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 590 Article Number: A24 Published: JUN 2016

6,757. The phase mixing of an upper hybrid wave in a magnetized pair-ion plasma

By: Pramanik, Sourav; Maity, Chandan; Chakrabarti, Nikhil

PHYSICA SCRIPTA Volume: 91 Issue: 6 Article Number: 065602 Published: JUN 2016

6,758. A Dual Non-ATP Analogue Inhibitor of Aurora Kinases A and B, Derived from Resorcinol with a Mixed Mode of Inhibition

By: Karthigeyan, Dhanasekaran; Surabhi, Sudhevan; Mizar, Pushpak; et al.

CHEMICAL BIOLOGY & DRUG DESIGN Volume: 87 Issue: 6 Pages: 958-967 Published: JUN 2016

6,759. Constraints on variations in inflaton decay rate from modulated preheating

By: Mazumdar, Arindam; Modak, Kamakshya Prasad

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 6 Article Number: 030 Published: JUN 2016

6,760. Study of uranium mobilization from Himalayan Siwaliks to the Malwa region of Punjab state in India

By: Patnaik, R.; Lahiri, S.; Chahar, V.; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 308 Issue: 3 Pages: 913-918  
Published: JUN 2016

6,761. Wave-breaking amplitudes of relativistic upper-hybrid oscillations in a cold magnetized plasma  
By: Karmakar, Mithun; Maity, Chandan; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 23 Issue: 6 Article Number: 064503 Published: JUN 2016

6,762. Investigation of complexity dynamics in a DC glow discharge magnetized plasma using recurrence quantification analysis

By: Mitra, Vramori; Sarma, Bornali; Sarma, Arun; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 6 Article Number: 062312 Published: JUN 2016

6,763. Non-neutral plasma diode in the presence of a transverse magnetic field

By: Pramanik, Sourav; Kuznetsov, V. I.; Gerasimenko, A. B.; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 6 Article Number: 062118 Published: JUN 2016

6,764. Effect of plate roughness on the field near RPC plates

By: Jash, A.; Majumdar, N.; Mukhopadhyay, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: C06010 Published: JUN 2016

6,765. Stability characteristics of a non-Newtonian strongly coupled dusty plasma in the presence of shear flow

By: Garai, S.; Jana, S.; Janaki, M. S.; et al.

EPL Volume: 114 Issue: 6 Article Number: 65003 Published: JUN 2016

6,766. Shear flow driven instability in an incompressible dusty plasma with a density dependent viscosity

By: Garai, S.; Banerjee, D.; Janaki, M. S.; et al.

INDIAN JOURNAL OF PHYSICS Volume: 90 Issue: 6 Pages: 717-724 Published: JUN 2016

6,767. Model dependence of the neutron-skin thickness on the symmetry energy

By: Mondal, C.; Agrawal, B. K.; Centelles, M.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 6 Article Number: 064303 Published: JUN 2 2016

6,768. Measurement of an Excess in the Yield of J/psi at Very Low p(T) in Pb-Pb Collisions at root s(NN)=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 116 Issue: 22 Article Number: 222301 Published: JUN 2 2016

6,769. Small Mismatches in Fatty Acyl Tail Lengths Can Effect Non Steroidal Anti-Inflammatory Drug Induced Membrane Fusion

By: Majumdar, Anupa; Sarkar, Munna

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 120 Issue: 21 Pages: 4791-4802 Published: JUN 2 2016

6,770. Flavored leptogenesis with quasidegenerate neutrinos in a broken cyclic symmetric model  
By: Adhikary, Biswajit; Chakraborty, Mainak; Ghosal, Ambar  
PHYSICAL REVIEW D Volume: 93 Issue: 11 Article Number: 113001 Published: JUN 3 2016

6,771. Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 116 Issue: 22 Article Number: 222302 Published: JUN 3 2016

6,772. Fission dynamics study in Am-243 and Fm-254  
By: Banerjee, K.; Ghosh, T. K.; Roy, P.; et al.  
PHYSICAL REVIEW C Volume: 93 Issue: 6 Article Number: 064602 Published: JUN 6 2016

6,773. Tricritical points in a compact U(1) lattice gauge theory at strong coupling  
By: De, Asit K.; Sarkar, Mugdha  
PHYSICAL REVIEW D Volume: 93 Issue: 11 Article Number: 114504 Published: JUN 6 2016

6,774. Centrality dependence of  $\langle \text{sic} \rangle(2S)$  suppression in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 050 Published: JUN 8 2016

6,775. Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 757 Pages: 6-31 Published: JUN 10 2016

6,776. Measurement of the CP-violating weak phase  $\phi(s)$  and the decay width difference  $\Delta\Gamma(s)$  using the  $B_s(0) \rightarrow J/\psi \phi(1020)$  decay channel in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 757 Pages: 97-120 Published: JUN 10 2016

6,777. Inclusive and differential measurements of the  $t(\bar{t})$  charge asymmetry in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 757 Pages: 154-179 Published: JUN 10 2016

6,778. Search for lepton flavour violating decays of heavy resonances and quantum black holes to an e  $\mu$  pair in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 6 Article Number: 317 Published: JUN 10 2016

6,779. Probing electron density across Ar<sup>+</sup> irradiation-induced self-organized TiO<sub>2</sub>-x nanochannels for memory application

By: Barman, A.; Saini, C. P.; Sarkar, P. K.; et al.

APPLIED PHYSICS LETTERS Volume: 108 Issue: 24 Article Number: 244104 Published: JUN 13 2016

6,780. Observation of resistivity minimum at low temperature in Co<sub>x</sub>Cu<sub>1-x</sub> (x similar to 0.17-0.76) nanostructured granular alloys

By: Dhara, S.; Chowdhury, R. Roy; Bandyopadhyay, B.

PHYSICAL REVIEW B Volume: 93 Issue: 21 Article Number: 214413 Published: JUN 14 2016

6,781. Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 6 Article Number: 325 Published: JUN 14 2016

6,782. Nature of single-particle states in disordered graphene

By: Nag, Sabyasachi; Garg, Arti; Ramakrishnan, T. V.

PHYSICAL REVIEW B Volume: 93 Issue: 23 Article Number: 235426 Published: JUN 15 2016

6,783. Search for pair-produced vectorlike B quarks in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 11 Article Number: 112009 Published: JUN 15 2016

6,784. Significance of 1B and 2B domains in modulating elastic properties of lamin A

By: Bera, Manindra; Ainavarapu, Sri Rama Koti; Sengupta, Kaushik

SCIENTIFIC REPORTS Volume: 6 Article Number: 27879 Published: JUN 15 2016

6,785. Three proton hole structure in Ag-106

By: Das, B.; Rather, N.; Chattopadhyay, S.; et al.

PHYSICAL REVIEW C Volume: 93 Issue: 6 Article Number: 064322 Published: JUN 20 2016

6,786. Possible explanation of indirect gamma ray signatures from hidden sector fermionic dark matter

By: Banik, Amit Dutta; Majumdar, Debasish; Biswas, Anirban

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 6 Article Number: 346 Published: JUN 23 2016

6,787. Pseudo-scalar Higgs boson production at threshold NLO and NLL QCD

By: Ahmed, Taushif; Kumar, M. C.; Mathews, Prakash; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 6 Article Number: 355 Published: JUN 25 2016

6,788. Mutation in the Pro-Peptide Region of a Cysteine Protease Leads to Altered Activity and Specificity-A Structural and Biochemical Approach

By: Dutta, Sruti; Choudhury, Debi; Roy, Sumana; et al.

PLOS ONE Volume: 11 Issue: 6 Article Number: e0158024 Published: JUN 28 2016

6,789. Relativistic wave-breaking limit of electrostatic waves in cold electron-positron-ion plasmas

By: Karmakar, Mithun; Maity, Chandan; Chakrabarti, Nikhil; et al.

EUROPEAN PHYSICAL JOURNAL D Volume: 70 Issue: 6 Article Number: 144 Published: JUN 28 2016

6,790. Quantum Hall realization of polarized intensity interferometry

By: Roychowdhury, Krishanu; Wadhawan, Disha; Mehta, Poonam; et al.

PHYSICAL REVIEW B Volume: 93 Issue: 22 Article Number: 220101 Published: JUN 29 2016

6,791. Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 177 Published: JUN 30 2016

6,792. Highly-ordered ripple structure induced by normal incidence sputtering on monocrystalline GaAs (001): ion energy and flux dependence

By: Chowdhury, Debasree; Ghose, Debabrata

VACUUM Volume: 129 Pages: 122-125 Published: JUL 2016

6,793. Paclitaxel-loaded solid lipid nanoparticles modified with Tyr-3-octreotide for enhanced anti-angiogenic and anti-glioma therapy

By: Banerjee, Indranil; De, Kakali; Mukherjee, Dibyanti; et al.

ACTA BIOMATERIALIA Volume: 38 Pages: 69-81 Published: JUL 1 2016

6,794. Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 591 Article Number: A138 Published: JUL 2016

6,795. Super-orbital variability of LS I+61 degrees 303 at TeV energies

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 591 Article Number: A76 Published: JUL 2016

6,796. Long-term study of Mkn 421 with the HAGAR Array of Telescopes

By: Sinha, A.; Shukla, A.; Saha, L.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 591 Article Number: A83 Published: JUL 2016

6,797. Growth and structural evolution of Sn on Ag(001): Epitaxial monolayer to thick alloy film  
By: Chakraborty, Suvankar; Menon, Krishnakumar S. R.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A Volume: 34 Issue: 4 Article Number: 041513  
Published: JUL 2016

6,798. Mechanochemical devulcanization of natural rubber vulcanizate by dual function disulfide  
chemicals

By: Ghorai, Soumyajit; Bhunia, Satyaban; Roy, Madhusudan; et al.

POLYMER DEGRADATION AND STABILITY Volume: 129 Pages: 34-46 Published: JUL 2016

6,799. Perpendicular Standing Spin Wave and Magnetic Anisotropic Study on Amorphous FeTaC Films  
By: Samantaray, B.; Singh, Akhilesh Kr; Banerjee, Chandrima; et al.

IEEE TRANSACTIONS ON MAGNETICS Volume: 52 Issue: 7 Article Number: 2003104 Published:  
JUL 2016

6,800. Multiwavelength observations of the blazar 1ES 1011+496 in Spring 2008

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; AGILE Team

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 459 Issue: 3 Pages: 2286-  
2298 Published: JUL 1 2016

6,801. Investigating the peculiar emission from the new VHE gamma-ray source H1722+119

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; Fermi LAT Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 459 Issue: 3 Pages: 3271-  
3281 Published: JUL 1 2016

6,802. Diverse Spectroscopic Studies and First-Principles Investigations of the Zinc Vacancy Mediated  
Ferromagnetism in Mn-Doped ZnO Nanoparticles

By: Ponnusamy, Rajeswari; Selvaraj, Selva Chandrasekaran; Ramachandran, Meera; et al.

CRYSTAL GROWTH & DESIGN Volume: 16 Issue: 7 Pages: 3656-3668 Published: JUL 2016

6,803. Nonlinear coherent structures of Alfvén wave in a collisional plasma

By: Jana, Sayanee; Ghosh, Samiran; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 23 Issue: 7 Article Number: 072304 Published: JUL 2016

6,804. Structure, optical and magnetic characterizations of Mn doped ZnS dilute magnetic  
semiconductor synthesized by mechanical alloying

By: Sain, S.; Kar, A.; Mukherjee, M.; et al.

ADVANCED POWDER TECHNOLOGY Volume: 27 Issue: 4 Pages: 1790-1799 Published: JUL 2016

6,805. HF-free microwave assisted dissolution of soil samples for quantitative assessment of  
potassium

By: Naskar, Nabanita; Lahiri, Susanta; Chaudhuri, Punarbasu

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 93 Issue: 7 Pages: 799-803 Published: JUL 2016

6,806. Time Resolved Spectroscopic Investigations to Compare the Photophysical Properties of a Short-Chain Dyad When Combined with Silver and Gold Nanoparticles to Form Nanocomposite Systems

By: Dutta (Pal), Gopa; Chakraborty, Priyanka; Yadav, Somnath; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 16 Issue: 7 Pages: 7411-7419 Published: JUL 2016

6,807. Measurement of inclusive jet production and nuclear modifications in pPb collisions at root s(NN)=5.02 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 7 Article Number: 372 Published: JUL 4 2016

6,808. Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 7 Article Number: 371 Published: JUL 4 2016

6,809. Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 027 Published: JUL 5 2016

6,810. Viability of an arctan model of f(R) gravity for late-time cosmology

By: Dutta, Koushik; Panda, Sukanta; Patel, Avani

PHYSICAL REVIEW D Volume: 94 Issue: 2 Article Number: 024016 Published: JUL 6 2016

6,811. Measurement of t(t)over-bar production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at root s=8TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 7 Article Number: 379 Published: JUL 7 2016

6,812. Branched Platinum Nanostructures on Reduced Graphene: An excellent Transducer for Nonenzymatic Sensing of Hydrogen Peroxide and Biosensing of Xanthine

By: Behera, Tapan Kumar; Sahu, Subash Chandra; Satpati, Biswarup; et al.

ELECTROCHIMICA ACTA Volume: 206 Pages: 238-245 Published: JUL 10 2016



6,813. Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 758 Pages: 152-180 Published: JUL 10 2016

6,814. Search for a low-mass pseudoscalar Higgs boson produced in association with a  $b\bar{b}$  pair in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 758 Pages: 296-320 Published: JUL 10 2016

6,815. Measurement of spin correlations in  $t\bar{t}$  production using the matrix element method in the muon plus jets final state in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 758 Pages: 321-346 Published: JUL 10 2016

6,816. Multi-strange baryon production in p-Pb collisions at  $\sqrt{(NN)}-N-S=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 758 Pages: 389-401 Published: JUL 10 2016

6,817. Fiber Bragg Grating (FBG) sensors as flatness and mechanical stretching sensors

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 824 Pages: 493-495

Published: JUL 11 2016

6,818. Status report of the upgrade of the CMS muon system with Triple-GEM detectors

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 824 Pages: 521-525

Published: JUL 11 2016

6,819. Magnetoelectric coupling and exchange bias effects in multiferroic  $\text{NdCrO}_3$  (vol 28, 166005, 2016)

By: Indra, A.; Dey, K.; Midya, A.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 28 Issue: 27 Article Number: 279601

Published: JUL 13 2016

6,820. Study of Gallium Oxide Nanoparticles Conjugated with beta-Cyclodextrin: An Application To Combat Cancer

By: Ganguly, Bichitra Nandi; Verma, Vivek; Chatterjee, Debanuj; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 27 Pages: 17127-17137 Published: JUL 13 2016

6,821. Development of a Triplet-Triplet Absorption Ruler: DNA- and Chromatin-Mediated Drug Molecule Release from a Nanosurface

By: Das Chakraborty, Sudeshna; Sau, Abhishek; Kuznetsov, Denis V.; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 120 Issue: 27 Pages: 6872-6881 Published: JUL 14 2016

6,822. Search for Narrow Resonances in Dijet Final States at root  $s=8$  TeV with the Novel CMS Technique of Data Scouting

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 117 Issue: 3 Article Number: 031802 Published: JUL 14 2016

6,823. The influence of projectile ion induced chemistry on surface pattern formation

By: Karmakar, Prasanta; Satpati, Biswarup

JOURNAL OF APPLIED PHYSICS Volume: 120 Issue: 2 Article Number: 025301 Published: JUL 14 2016

6,824. Growth and characterization of ultrathin epitaxial MnO film on Ag (001)

By: Kundu, Asish K.; Menon, Krishnakumar S. R.

JOURNAL OF CRYSTAL GROWTH Volume: 446 Pages: 85-91 Published: JUL 15 2016

6,825. Electronic transport in single-helical protein molecules: Effects of multiple charge conduction pathways and helical symmetry

By: Kundu, Sourav; Karmakar, S. N.

PHYSICS LETTERS A Volume: 380 Issue: 31-32 Pages: 2395-2399 Published: JUL 15 2016

6,826. Measurement of the  $W+W^-$  cross section in pp collisions at root  $s=8$  TeV and limits on anomalous gauge couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 7 Article Number: 401 Published: JUL 15 2016

6,827. Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at root  $s=7$  and 8 TeV

By: Aad, G.; Abbott, B.; Abdallah, J.; et al.

Group Author(s): ATLAS Collaborations; ATLAS Collaborations; CMS Collaborations

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 045 Published: JUL 18 2016

6,828. Effect of resonance decay on conserved number fluctuations in a hadron resonance gas model

By: Mishra, D. K.; Garg, P.; Netrakanti, P. K.; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 1 Article Number: 014905 Published: JUL 18 2016

- 6,829. Phase coexistence and spatial correlations in reconstituting k-mer models  
By: Chatterjee, Amit Kumar; Daga, Bijoy; Mohanty, P. K.  
PHYSICAL REVIEW E Volume: 94 Issue: 1 Article Number: 012121 Published: JUL 18 2016
- 6,830. Band structure in Sn-113  
By: Banerjee, P.; Ganguly, S.; Pradhan, M. K.; et al.  
PHYSICAL REVIEW C Volume: 94 Issue: 1 Article Number: 014316 Published: JUL 20 2016
- 6,831. Detailed analysis of flavor-changing decays of top quarks as a probe of new physics at the LHC  
By: Bardhan, Debjyoti; Bhattacharyya, Gautam; Ghosh, Diptimoy; et al.  
PHYSICAL REVIEW D Volume: 94 Issue: 1 Article Number: 015026 Published: JUL 22 2016
- 6,832. Enhanced CO gas sensing properties of Cu doped SnO<sub>2</sub> nanostructures prepared by a facile wet chemical method  
By: Bhardwaj, Neha; Pandey, Akhilesh; Satpati, Biswarup; et al.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 28 Pages: 18846-18854 Published: JUL 28 2016
- 6,833. Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at  $\sqrt{s}=8$  and 13 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 117 Issue: 5 Article Number: 051802 Published: JUL 28 2016
- 6,834. Formation and evolution of vortices in a collisional strongly coupled dusty plasma  
By: Jana, Sayanee; Banerjee, Debabrata; Chakrabarti, Nikhil  
PHYSICS LETTERS A Volume: 380 Issue: 33 Pages: 2531-2539 Published: JUL 29 2016
- 6,835. Effects of Zr impurity on microscopic behavior of Hf metal  
By: Dey, S. K.; Dey, C. C.; Saha, S.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 95 Pages: 98-105 Published: AUG 2016
- 6,836. Nonlinear low-frequency electrostatic wave dynamics in a two-dimensional quantum plasma  
By: Ghosh, Samiran; Chakrabarti, Nikhil  
ANNALS OF PHYSICS Volume: 371 Pages: 67-76 Published: AUG 2016
- 6,837. Mahogunin-mediated regulation of G alpha(i) localisation during mitosis and its effect on spindle positioning  
By: Srivastava, Devika; Mukherjee, Rukmini; Mookherjee, Debdatto; et al.  
BIOCHEMISTRY AND CELL BIOLOGY Volume: 94 Issue: 4 Pages: 359-369 Published: AUG 2016
- 6,838. Wnt signal transduction pathways: modules, development and evolution  
By: Nayak, Losiana; Bhattacharyya, Nitai P.; De, Rajat K.  
BMC SYSTEMS BIOLOGY Volume: 10 Supplement: 2 Article Number: 44 Published: AUG 1 2016

6,839. In situ fluorescence of lac dye stabilized gold nanoparticles; DNA binding assay and toxicity study

By: Pattanayak, Sutanuka; Chakraborty, Sharmila; Mollick, Md. Masud Rahaman; et al.

NEW JOURNAL OF CHEMISTRY Volume: 40 Issue: 8 Pages: 7121-7131 Published: AUG 2016

6,840. Exact asymmetric Skyrmion in anisotropic ferromagnet and its helimagnetic application

By: Kundu, Anjan

NUCLEAR PHYSICS B Volume: 909 Pages: 73-85 Published: AUG 2016

6,841. A study on the steady-state solutions of a relativistic Bursian diode in the presence of a transverse magnetic field

By: Pramanik, Sourav; Kuznetsov, V. I.; Bakaleinikov, L. A.; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 8 Article Number: 082110 Published: AUG 2016

6,842. Effect of water vapor on the performance of glass RPCs in avalanche mode operation

By: Raveendrababu, K.; Behera, P. K.; Satyanarayana, B.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: C08001 Published: AUG 2016

6,843. Moduli vacuum misalignment and precise predictions in string inflation

By: Cicoli, Michele; Dutta, Koushik; Maharana, Anshuman; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 8 Article Number: 006 Published: AUG 2016

6,844. Measurement of the  $t\bar{t}$  production cross section in the  $e\mu$  channel in proton-proton collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 029 Published: AUG 3 2016

6,845. Effect of added salt on swelling dynamics of ultrathin films of strong polyelectrolytes

By: Samanta, Tanusree; Sinha, Sumona; Mukherjee, M.

POLYMER Volume: 97 Pages: 285-294 Published: AUG 5 2016

6,846. Shape coexistence in Ho-153

By: Pramanik, Dibyadyuti; Sarkar, S.; Sarkar, M. Saha; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 2 Article Number: 024311 Published: AUG 5 2016

6,847. Search for new physics in same-sign dilepton events in proton-proton collisions at

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 8 Article Number: 439 Published: AUG 5 2016

6,848. Role of nuclear physics in oscillations of magnetars

By: Nandi, Rana; Char, Prasanta; Chatterjee, Debarati; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 2 Article Number: 025801 Published: AUG 10 2016

6,849. Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Cms Collaboration

PHYSICS LETTERS B Volume: 759 Pages: 9-35 Published: AUG 10 2016

6,850. Study of Z boson production in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Cms Collaboration

PHYSICS LETTERS B Volume: 759 Pages: 36-57 Published: AUG 10 2016

6,851. Maximal zero textures in Linear and Inverse seesaw

By: Sinha, Roopam; Samanta, Rome; Ghosal, Ambar

PHYSICS LETTERS B Volume: 759 Pages: 206-213 Published: AUG 10 2016

6,852. Search for neutral resonances decaying into a Z boson and a pair of b jets or tau leptons

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 759 Pages: 369-394 Published: AUG 10 2016

6,853. Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at  $\sqrt{s}=8$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 759 Pages: 479-500 Published: AUG 10 2016

6,854. Measurement of the inelastic cross section in proton-lead collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboratdion

PHYSICS LETTERS B Volume: 759 Pages: 641-662 Published: AUG 10 2016

6,855. Combined search for anomalous pseudoscalar HW couplings in  $VH(H \rightarrow b\bar{b})$  production and  $H \rightarrow VV$  decay

By: Adam, W.; Asilar, E.; Bergauer, T.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 759 Pages: 672-696 Published: AUG 10 2016

6,856. Measurement of D-meson production versus multiplicity in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 078 Published: AUG 11 2016

6,857. Measurement of the double-differential inclusive jet cross section in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 8 Published: AUG 11 2016

6,858. Rapid and efficient removal of fluoride ions from aqueous solution using a polypyrrole coated hydrous tin oxide nanocomposite

By: Parashar, Kanya; Ballav, Niladri; Debnath, Sushanta; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 476 Pages: 103-118 Published: AUG 15 2016

6,859. Sintering behavior and growth mechanism of beta-TCP in nanocrystalline hydroxyapatite synthesized by mechanical alloying

By: Lala, S.; Satpati, B.; Pradhan, S. K.

CERAMICS INTERNATIONAL Volume: 42 Issue: 11 Pages: 13176-13182 Published: AUG 15 2016

6,860. Hepatitis B virus X protein mediated suppression of miRNA-122 expression enhances hepatoblastoma cell proliferation through cyclin G1-p53 axis

By: Bandopadhyay, Manikankana; Sarkar, Neelakshi; Datta, Sibnarayan; et al.

INFECTIOUS AGENTS AND CANCER Volume: 11 Article Number: 40 Published: AUG 15 2016

6,861. Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 8 Article Number: 460 Published: AUG 16 2016

6,862. Evidence for exclusive  $\gamma\gamma \rightarrow W(+)\ W(-)$  production and constraints on anomalous quartic gauge couplings in pp collisions at and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 119 Published: AUG 22 2016

6,863. Measurement of the differential cross section and charge asymmetry for inclusive  $pp \rightarrow W^{+/-} + X$  production at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V. y; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 8 Article Number: 469 Published: AUG 22 2016

6,864. Search for supersymmetry in pp collisions at  $\sqrt{s}=13\text{TeV}$  in the single-lepton final state using the sum of masses of large-radius jets

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 122 Published: AUG 22 2016

6,865. Fission fragment mass distributions in reactions populating Pb-200

By: Chaudhuri, A.; Sen, A.; Ghosh, T. K.; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 2 Article Number: 024617 Published: AUG 24 2016

6,866. Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 139 Published: AUG 24 2016

6,867. Determination of intrinsic ferroelectric polarization in lossy improper ferroelectric systems

By: Chowdhury, Ujjal; Goswami, Sudipta; Bhattacharya, Dipten; et al.

APPLIED PHYSICS LETTERS Volume: 109 Issue: 9 Article Number: 092902 Published: AUG 29 2016

6,868. Direct view at colossal permittivity in donor-acceptor (Nb, In) co-doped rutile TiO<sub>2</sub>

By: Mandal, Suman; Pal, Somnath; Kundu, Asish K.; et al.

APPLIED PHYSICS LETTERS Volume: 109 Issue: 9 Article Number: 092906 Published: AUG 29 2016

6,869. Conformational selection underpins recognition of multiple DNA sequences by proteins and consequent functional actions

By: Naiya, Gitashri; Raha, Paromita; Mondal, Manas Kumar; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 18 Issue: 31 Pages: 21618-21628 Published: AUG 31 2016

6,870. Threshold behavior of interaction potential for the System Li-7+Ni-64: Comparison with Li-6+Ni-64

By: Shaikh, Md. Moin; Das, Mili; Roy, Subinit; et al.

NUCLEAR PHYSICS A Volume: 953 Pages: 80-94 Published: SEP 2016

6,871. Absence of low energy magnetic spin-fluctuations in isovalently and aliovalently doped LaCo<sub>2</sub>B<sub>2</sub> superconducting compounds

By: Majumder, M.; Ghoshray, A.; Khuntia, P.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 28 Issue: 34 Article Number: 345701  
Published: SEP 1 2016

6,872. Solid-State Thermal Reaction of a Molecular Material and Solventless Synthesis of Iron Oxide

By: Roy, Debasis; Roy, Madhusudan; Zubko, Maciej; et al.

INTERNATIONAL JOURNAL OF THERMOPHYSICS Volume: 37 Issue: 9 Article Number: 93  
Published: SEP 2016

6,873. Multiple mobility edges in a 1D Aubry chain with Hubbard interaction in presence of electric field: Controlled electron transport

By: Saha, Srilekha; Maiti, Santanu K.; Karmakar, S. N.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 83 Pages: 358-364

Published: SEP 2016

6,874. Synthesis and characterization of magnesium oxide nanocrystallites and probing the vacancy-type defects through positron annihilation studies

By: Das, Anjan; Mandal, Atis Chandra; Roy, Soma; et al.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 83 Pages: 389-397

Published: SEP 2016

6,875. Nonlinear coupling of acoustic and shear mode in a strongly coupled dusty plasma with a density dependent viscosity

By: Garai, S.; Janaki, M. S.; Chakrabarti, N.

ASTROPHYSICS AND SPACE SCIENCE Volume: 361 Issue: 9 Article Number: 294 Published: SEP

2016

6,876. Role of annealing temperature in the oxide charge distribution in high-kappa-based MOS devices: simulation and experiment

By: Biswas, Debaleen; Chakraborty, Ayan; Chakraborty, Supratic

JOURNAL OF COMPUTATIONAL ELECTRONICS Volume: 15 Issue: 3 Pages: 795-800 Published: SEP

2016

6,877. Structure dependent selective efficacy of pyridine and pyrrole based Cu(II) Schiff base complexes towards in vitro cytotoxicity, apoptosis and DNA-bases binding in ground and excited state

By: Seth, Banabithi Koley; Saha, Arpita; Haldar, Srijan; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 162 Pages: 463-472

Published: SEP 2016

6,878. A Systems Biology Analysis Unfolds the Molecular Pathways and Networks of Two Proteobacteria in Spaceflight and Simulated Microgravity Conditions

By: Roy, Raktim; Shilpa, P. Phani; Bagh, Sangram

ASTROBIOLOGY Volume: 16 Issue: 9 Pages: 677-689 Published: SEP 2016

6,879. A review of the discovery of SM-like Higgs boson in  $H \rightarrow \gamma\gamma$  decay channel with the CMS detector at the LHC

By: Bhattacharya, Satyaki; Jain, Shilpi

PRAMANA-JOURNAL OF PHYSICS Volume: 87 Issue: 3 Article Number: UNSP 35 Published: SEP

2016

6,880. Scalar sector of two-Higgs-doublet models: A minireview

By: Bhattacharyya, Gautam; Das, Dipankar

PRAMANA-JOURNAL OF PHYSICS Volume: 87 Issue: 3 Article Number: UNSP 40 Published: SEP

2016



6,881. Hysteresis of fluctuation dynamics associated with a fireball in a magnetized glow discharge plasma in a currentless toroidal assembly

By: Ghosh, Sabuj; Shaw, Pankaj Kumar; Saha, Debajyoti; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 9 Article Number: 093511 Published: SEP 2016

6,882. Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): Magic Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 593 Article Number: A91 Published: SEP 2016

6,883. Numerical study on the effect of design parameters and spacers on RPC signal and timing properties

By: Jash, A.; Majumdar, N.; Mukhopadhyay, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: C09014 Published: SEP 2016

6,884. Neutron emission and dose distribution from natural carbon irradiated with a 12 MeV amu(-1) C-12(5+) ion beam

By: Nandy, Maitreyee; Sarkar, P. K.; Sanami, T.; et al.

JOURNAL OF RADIOLOGICAL PROTECTION Volume: 36 Issue: 3 Pages: 456-473 Published: SEP 2016

6,885. UVC-priming mediated modulation of forskolin biosynthesis key genes against Macrophomina root rot of Coleus forskohlii-A tissue culture based sustainable approach

By: Gangopadhyay, Moumita; Gantait, Saikat; Palchoudhury, Shouroseni; et al.

PHYTOCHEMISTRY LETTERS Volume: 17 Pages: 36-44 Published: SEP 2016

6,886. Instantaneous ion configurations in the K<sup>+</sup> ion channel selectivity filter revealed by 2D IR spectroscopy

By: Kratochvil, Huong T.; Carr, Joshua K.; Matulef, Kimberly; et al.

SCIENCE Volume: 353 Issue: 6303 Pages: 1040-1044 Published: SEP 2 2016

6,887. Search for s channel single top quark production in pp collisions at root s=7 and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Collaboration, C

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 027 Published: SEP 6 2016

6,888. Direct experimental evidence for a multiparticle-hole ground state configuration of deformed Mg-33

By: Datta, Ushasi; Rahaman, A.; Aumann, T.; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 3 Article Number: 034304 Published: SEP 6 2016

6,889. Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at root s(NN)=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 028 Published: SEP 6 2016

6,890. Preequilibrium neutron emission in heavy ion reaction: Mean field effect and multiple emission

By: Paul, Sabyasachi; Nandy, Maitreyee; Mohanty, A. K.; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 3 Article Number: 034607 Published: SEP 8 2016

6,891. Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Cms Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 5 Article Number: 052006 Published: SEP 8 2016

6,892. Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 051 Published: SEP 9 2016

6,893. Search for R-parity violating decays of a top squark in proton-proton collisions at  $\sqrt{s}=8$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 760 Pages: 178-201 Published: SEP 10 2016

6,894. Measurements of  $t(\bar{t})$  charge asymmetry using dilepton final states in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 760 Pages: 365-386 Published: SEP 10 2016

6,895. Measurement of the  $Z \gamma \rightarrow \nu(\bar{\nu}) \gamma$  production cross section in pp collisions at  $\sqrt{s}=8$  TeV and limits on anomalous ZZ  $\gamma$  and Z  $\gamma \gamma$  trilinear gauge boson couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 760 Pages: 448-468 Published: SEP 10 2016

6,896. Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in p-Pb collisions  $\sqrt{S_{NN}}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 760 Pages: 720-735 Published: SEP 10 2016

6,897. Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at  $\sqrt{S} = 8$  TeV (vol 07, 027, 2016)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Published: SEP 12 2016

6,898. Large magnetic cooling power involving frustrated antiferromagnetic spin-glass state in  $R_2NiSi_3$  ( $R = Gd, Er$ )

By: Pakhira, Santanu; Mazumdar, Chandan; Ranganathan, R.; et al.

PHYSICAL REVIEW B Volume: 94 Issue: 10 Article Number: 104414 Published: SEP 14 2016

6,899. Measurement of transverse energy at midrapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 94 Issue: 3 Article Number: 034903 Published: SEP 15 2016

6,900. Phosphorylation of Ku70 subunit by cell cycle kinases modulates the replication related function of Ku heterodimer

By: Mukherjee, Soumita; Chakraborty, Prabal; Saha, Partha

NUCLEIC ACIDS RESEARCH Volume: 44 Issue: 16 Pages: 7755-7765 Published: SEP 19 2016

6,901. Tuning of composite cubic spinel structure in  $Co_{1.75}Fe_{1.25}O_4$  spinel oxide by thermal treatment and its effects on modifying the ferrimagnetic properties

By: Bhowmik, R. N.; Kazhugasalamoorthy, S.; Ranganathan, R.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 680 Pages: 315-327 Published: SEP 25 2016

6,902. Lepton flavor violating decay of 125 GeV Higgs boson to mu tau channel and excess in  $t(t)\text{over-bar}H$

By: Bhattacharjee, Biplob; Chakraborty, Sabyasachi; Mukherjee, Swagata

MODERN PHYSICS LETTERS A Volume: 31 Issue: 30 Article Number: 1650174 Published: SEP 28 2016

6,903. Emergent horizons and causal structures in holography

By: Banerjee, Avik; Kundu, Arnab; Kundu, Sandipan

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 166 Published: SEP 28 2016

6,904. Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 164 Published: SEP 28 2016

6,905. Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 5 Article Number: 052012 Published: SEP 29 2016

6,906. Measurement of dijet azimuthal decorrelation in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 10 Article Number: 536 Published: SEP 30 2016

6,907. I and I $\bar{\nu}$  Production in p-p Collisions at E=5, 14 TeV; and Comparison with Experiment at E=7 TeV

By: Kisslinger, Leonard S.; Das, Debasish

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 55 Issue: 10 Pages: 4362-4370

Published: OCT 2016

6,908. Probing maximal zero textures with broken cyclic symmetry in inverse seesaw

By: Samanta, Rome; Ghosal, Ambar

NUCLEAR PHYSICS B Volume: 911 Pages: 846-862 Published: OCT 2016

6,909. ESCRTs and associated proteins in lysosomal fusion with endosomes and autophagosomes

By: Majumder, Priyanka; Chakrabarti, Oishee

BIOCHEMISTRY AND CELL BIOLOGY Volume: 94 Issue: 5 Special Issue: SI Pages: 443-450

Published: OCT 2016

6,910. Time-independent states of a non-neutral plasma diode when emitted electrons are partially turned around by a transverse magnetic field

By: Pramanik, Sourav; Kuznetsov, V. I.; Gerasimenko, A. B.; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 10 Article Number: 103105 Published: OCT 2016

6,911. Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS-HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: T10004 Published: OCT 2016

6,912. Search for new physics with the M-T2 variable in all-jets final states produced in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 006 Published: OCT 3 2016

6,913. Proof of Bekenstein-Mukhanov ansatz in loop quantum gravity

By: Majhi, Abhishek

MODERN PHYSICS LETTERS A Volume: 31 Issue: 31 Article Number: 1650171 Published: OCT 10

2016

6,914. Experimental probe for the production of Ru-97 from the Li-7+Nb-93 reaction: A study of precompound emissions

By: Kumar, Deepak; Maiti, Moumita; Lahiri, Susanta

PHYSICAL REVIEW C Volume: 94 Issue: 4 Article Number: 044603 Published: OCT 10 2016

6,915. Upsilon ( $nS$ ) polarizations versus particle multiplicity in pp collisions at  $\sqrt{s}=7$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 761 Pages: 31-52 Published: OCT 10 2016

6,916. Drude weight in hard-core boson systems: Possibility of a finite-temperature ideal conductor

By: Majumder, Gourab; Garg, Arti

PHYSICAL REVIEW B Volume: 94 Issue: 13 Article Number: 134508 Published: OCT 12 2016

6,917. Measurement of the integrated and differential  $t(\bar{t})$  production cross sections for high- $p(T)$  top quarks in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 7 Article Number: 072002 Published: OCT 12 2016

6,918. Tuning the scattering mechanism in the three-dimensional Dirac semimetal Cd<sub>3</sub>As<sub>2</sub>

By: Pariari, A.; Khan, N.; Singha, R.; et al.

PHYSICAL REVIEW B Volume: 94 Issue: 16 Article Number: 165139 Published: OCT 18 2016

6,919. Shears mechanism and development of collectivity in Sm-141

By: Rajbanshi, S.; Ali, Sajad; Bisoi, Abhijit; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 4 Article Number: 044318 Published: OCT 21 2016

6,920. Phenomenological MSSM interpretation of CMS searches in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 129 Published: OCT 24 2016

6,921. Metamorphosis of Ruthenium-Doped Carbon Dots: In Search of the Origin of Photoluminescence and Beyond

By: Bera, Kallol; Sau, Abhishek; Mondal, Pritiranjana; et al.

CHEMISTRY OF MATERIALS Volume: 28 Issue: 20 Pages: 7404-7413 Published: OCT 25 2016

6,922. Oslo model, hyperuniformity, and the quenched Edwards-Wilkinson model

By: Grassberger, Peter; Dhar, Deepak; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 94 Issue: 4 Article Number: 042314 Published: OCT 25 2016

6,923.  $D(\bar{D})$  meson pair production in antiproton-nucleus collisions

By: Shyam, R.; Tsushima, K.

PHYSICAL REVIEW D Volume: 94 Issue: 7 Article Number: 074041 Published: OCT 27 2016

6,924. Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at root S-NN=2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 117 Issue: 18 Article Number: 182301 Published: OCT 28 2016

6,925. Gold-decorated highly ordered self-organized grating-like nanostructures on Ge surface: Kelvin probe force microscopy and conductive atomic force microscopy studies

By: Mollick, Safiul Alam; Kumar, Mohit; Singh, Ranveer; et al.

NANOTECHNOLOGY Volume: 27 Issue: 43 Article Number: 435302 Published: OCT 28 2016

6,926. Effects of oxygen partial pressure and annealing temperature on the residual stress of hafnium oxide thin-films on silicon using synchrotron-based grazing incidence X-ray diffraction

By: Biswas, Debaleen; Sinh, Anil Kumar; Chakraborty, Supratic

APPLIED SURFACE SCIENCE Volume: 384 Pages: 376-379 Published: OCT 30 2016

6,927. Magnetocaloric effect at cryogenic temperature in gadolinium oxide nanotubes

By: Paul, Rima; Paramanik, Tapas; Das, Kalipada; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 417 Pages: 182-188 Published: NOV 1 2016

6,928. Nanoripple formation on GaAs (001) surface by reverse epitaxy during ion beam sputtering at elevated temperature

By: Chowdhury, Debasree; Ghose, Debabrata

APPLIED SURFACE SCIENCE Volume: 385 Pages: 410-416 Published: NOV 1 2016

6,929. Green synthesized cerium oxide nanoparticle: A prospective drug against oxidative harm

By: Dutta, Debanjan; Mukherjee, Riya; Patra, Mousumi; et al.

COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 147 Pages: 45-53 Published: NOV 1 2016

6,930. Effect of N<sub>2</sub>O ratio on the crystallization temperature of ZrO<sub>2</sub> film deposited on Si by reactive sputtering in Ar/O-2/N<sub>2</sub>O plasma

By: Faruque, Sk Abdul Kader Md; Chakraborty, Rajendra Prasad Giri Supratic

MATERIALS RESEARCH EXPRESS Volume: 3 Issue: 11 Article Number: 116406 Published: NOV 2016

6,931. Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 595 Article Number: A98 Published: NOV 2016

6,932. Stability characteristics of Rayleigh-Taylor instability in a strongly coupled incompressible dust fluid with finite shear flow

By: Garai, Sudip

PHYSICS OF PLASMAS Volume: 23 Issue: 11 Article Number: 113706 Published: NOV 2016

6,933. Investigation of coherent modes and their role in intermittent oscillations using empirical mode decomposition

By: Shaw, Pankaj Kumar; Ghosh, Sabuj; Saha, Debajyoti; et al.

PHYSICS OF PLASMAS Volume: 23 Issue: 11 Article Number: 112103 Published: NOV 2016

6,934. Modified photoluminescence and photodetection characteristics of chemically grown SnO coated ZnO nanoneedles

By: Bayan, Sayan; Mishra, Sheo K.; Satpati, Biswarup; et al.

JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 34 Issue: 6 Article Number: 061201

Published: NOV-DEC 2016

6,935. Performance enhancement of open loop gas recovery process by centrifugal separation of gases

By: Kalmani, S. D.; Joshi, A. V.; Bhattacharya, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: C11031 Published: NOV 2016

6,936. Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube

By: Aartsen, M. G.; Abraham, K.; Ackermann, M.; et al.

Group Author(s): IceCube Collaboration; MAGIC Collaboration; VERITAS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 11 Article Number: P11009 Published: NOV 2016

6,937. Strong correlations of neutron star radii with the slopes of nuclear matter incompressibility and symmetry energy at saturation

By: Alam, N.; Agrawal, B. K.; Fortin, M.; et al.

PHYSICAL REVIEW C Volume: 94 Issue: 5 Article Number: 052801 Published: NOV 9 2016

6,938. Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Ruiz Vargas, J. C.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 055 Published: NOV 9 2016

6,939. Search for third-generation scalar leptoquarks in the  $t$   $\tau$  channel in proton-proton collisions at  $\sqrt{s} = 8$  TeV (vol 7, 042, 2015)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 056 Published: NOV 9 2016

6,940. Hollow Gold Nanoprism as Highly Efficient "Single" Nanotransducer for Surface-Enhanced Raman Scattering Applications

By: Hazra, Bidhan; Das, Kamalika; Das Chakraborty, Sudeshna; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 120 Issue: 44 Pages: 25548-25556 Published: NOV 10 2016

6,941. Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 762 Pages: 376-388 Published: NOV 10 2016

6,942. Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton plus jets final states produced in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 762 Pages: 512-534 Published: NOV 10 2016

6,943. Single-Molecule FRET Studies of the Hybridization Mechanism during Noncovalent Adsorption and Desorption of DNA on Graphene Oxide

By: Paul, Tapas; Bera, Subhas Chandra; Agnihotri, Nidhi; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 120 Issue: 45 Pages: 11628-11636 Published: NOV 17 2016

6,944. Radiation linear energy transfer and drop size dependence of the low frequency signal from tiny superheated droplets

By: Seth, Susnata; Das, Mala

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 837 Pages: 92-98 Published: NOV 21 2016

6,945. D-meson production in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV and in pp collisions at  $\sqrt{s}=7$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 94 Issue: 5 Article Number: 054908 Published: NOV 23 2016

6,946. 3D Co-3(PO<sub>4</sub>)<sub>2</sub>-Reduced Graphene Oxide Flowers for Photocatalytic Water Splitting: A Type II Staggered Heterojunction System

By: Samal, Alaka; Swain, Smrutirekha; Satpati, Biswarup; et al.

CHEMSUSCHEM Volume: 9 Issue: 22 Pages: 3150-3160 Published: NOV 23 2016

6,947. Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 147 Published: NOV 24 2016

6,948. Spectral properties of the rho meson in a magnetic field

By: Ghosh, Snigdha; Mukherjee, Arghya; Mandal, Mahatsab; et al.



PHYSICAL REVIEW D Volume: 94 Issue: 9 Article Number: 094043 Published: NOV 28 2016

6,949. Extended scaling and residual flavor symmetry in the neutrino Majorana mass matrix

By: Samanta, Rome; Roy, Probir; Ghosal, Ambar

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 12 Article Number: 662 Published: NOV 30 2016

6,950. Power corrections to the electromagnetic spectral function and the dilepton rate in QCD plasma within operator product expansion in  $D=4$

By: Bandyopadhyay, Aritra; Mustafa, Munshi G.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 183 Published: NOV 30 2016

6,951. Upsilon production measurements in pp, p-Pb and Pb-Pb collisions with ALICE

By: Das, Indranil

Group Author(s): ALICE Collaboration

NUCLEAR PHYSICS A Volume: 956 Pages: 709-712 Published: DEC 2016

6,952. Implications and Assessment of the Elastic Behavior of Lamins in Laminopathies

By: Dutta, Subarna; Bhattacharyya, Maitree; Sengupta, Kaushik

CELLS Volume: 5 Issue: 4 Article Number: 37 Published: DEC 2016

6,953. Regulation of Mitofusin1 by Mahogunin Ring Finger-1 and the proteasome modulates mitochondrial fusion

By: Mukherjee, Rukmini; Chakrabarti, Oishee

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1863 Issue: 12 Pages: 3065-3083 Published: DEC 2016

6,954.  $\Psi(2S)$  and  $Y(3S)$  Suppression in p-Pb 8 TeV Collisions and Mixed Heavy Quark Hybrid Mesons

By: Kisslinger, Leonard S.; Das, Debasish

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS Volume: 55 Issue: 12 Pages: 5152-5156  
Published: DEC 2016

6,955. Ionic liquid-salt based aqueous biphasic system for rapid separation of no-carrier-added Pb-203 from proton irradiated (Ti<sub>2</sub>CO<sub>3</sub>)-Ti-nat target

By: Ghosh, Kaustab; Lahiri, Susanta; Sarkar, Kangkana; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 310 Issue: 3 Pages: 1311-1316  
Published: DEC 2016

6,956. Separation of no-carrier-added Hg-195(m,Hg-g), Hg-197m from Au target by ionic liquid and salt based aqueous biphasic systems

By: Ghosh, Kaustab; Lahiri, Susanta; Maiti, Moumita

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 310 Issue: 3 Pages: 1345-1351  
Published: DEC 2016

6,957. Measurement of naturally occurring radioactive materials, U-238 and Th-232: anomalies in photopeak selection

By: Naskar, Nabanita; Lahiri, Susanta; Chaudhuri, Punarbasu; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 310 Issue: 3 Pages: 1381-1396  
Published: DEC 2016

6,958. Spectroscopic studies on the interaction of DNA with the copper complexes of NSAIDs lornoxicam and isoxicam

By: Goswami, Sathi; Ray, Suhita; Sarkar, Munna

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 93 Pages: 47-56 Part: A  
Published: DEC 2016

6,959. Distance-Dependent Electron Transfer in Chemically Engineered Carbon Dots

By: Sau, Abhishek; Bera, Kallol; Mondal, Pritiranjana; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 120 Issue: 47 Pages: 26630-26636 Published: DEC 1 2016

6,960. Probing Localized Surface Plasmons of Trisoctahedral Gold Nanocrystals for Surface Enhanced Raman Scattering

By: Maity, Achyut; Maiti, Arpan; Satpati, Biswarup; et al.

Journal of Physical Chemistry C Volume: 120 Issue: 47 Pages: 27003-27012 Published: DEC 1 2016

6,961. Exact Bethe ansatz solution of a nonlinear quantum field model in quasi-two dimensions linked to the Landau-Lifshitz equation

By: Kundu, Anjan

NUCLEAR PHYSICS B Volume: 913 Pages: 1-14 Published: DEC 2016

6,962. Separation of no-carrier-added Pb-203, a surrogate radioisotope, from proton irradiated (Ti<sub>2</sub>CO<sub>3</sub>)-Ti-nat target using calcium alginate hydrogel beads

By: Sarkar, Kangkana; Lahiri, Susanta; Sen, Kamalika

RADIOCHIMICA ACTA Volume: 104 Issue: 12 Pages: 891-896 Published: DEC 2016

6,963. Checkerboard-supersolidity in a two-dimensional Bose-Holstein model

By: Kar, Satyaki; Yarlagadda, Sudhakar

ANNALS OF PHYSICS Volume: 375 Pages: 322-336 Published: DEC 2016

6,964. Pseudo-scalar Higgs boson production at (NLO)-L<sup>3</sup>+(NLL)-L<sup>3</sup>

By: Ahmed, Taushif; Bonvini, Marco; Kumar, M. C.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 12 Article Number: 663 Published: DEC 1 2016

6,965. Plastic scintillator-based hodoscope for the characterization of large-area resistive plate chambers

By: Kashyap, V. K. S.; Yadav, C.; Sehgal, S. T.; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 87 Issue: 6 Article Number: 92 Published: DEC 2016

6,966. Temperature and high fluence induced ripple rotation on Si(100) surface  
By: Chowdhury, Debasree; Satpati, Biswarup; Ghose, Debabrata  
MATERIALS RESEARCH EXPRESS Volume: 3 Issue: 12 Article Number: 125003 Published: DEC 2016

6,967. Systemic study of a natural feedback loop in Huntington's disease at the onset of neurodegeneration  
By: Baksi, Shounak; Bagh, Sangram; Sarkar, Sandip; et al.  
BIOSYSTEMS Volume: 150 Pages: 46-51 Published: DEC 2016

6,968. Can economics afford not to become natural science?  
By: Chakrabarti, Bikas K.  
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 225 Issue: 17-18 Pages: 3121-3125  
Published: DEC 2016

6,969. Is it "natural" to expect economics to become a part of the natural sciences?  
By: Chatterjee, A.  
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 225 Issue: 17-18 Pages: 3145-3149  
Published: DEC 2016

6,970. Neutron Star Physics in the Square Kilometre Array Era: An Indian Perspective  
By: Konar, Sushan; Bagchi, Manjari; Bandyopadhyay, Debades; et al.  
JOURNAL OF ASTROPHYSICS AND ASTRONOMY Volume: 37 Issue: 4 Special Issue: SI Article Number: 36 Published: DEC 2016

6,971. The two-loop QCD correction to massive spin-2 resonance  $\rightarrow q(q)\text{over-barg}$   
By: Ahmed, Taushif; Das, Goutam; Mathews, Prakash; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 12 Article Number: 667 Published: DEC 3 2016

6,972. Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 013 Published: DEC 5 2016

6,973. Generalized geodesic deviation equations and an entanglement first law for rotating BTZ black holes  
By: Ghosh, Avirup; Mishra, Rohit  
PHYSICAL REVIEW D Volume: 94 Issue: 12 Article Number: 126005 Published: DEC 7 2016

6,974. Search for long-lived charged particles in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 11 Article Number: 112004 Published: DEC 7 2016

6,975. Experimental observation of phase-flip transitions in two inductively coupled glow discharge plasmas

By: Chaubey, Neeraj; Mukherjee, S.; Sen, A.; et al.

PHYSICAL REVIEW E Volume: 94 Issue: 6 Article Number: 061201 Published: DEC 8 2016

6,976. Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 11 Article Number: 112005 Published: DEC 8 2016

6,977. White-light emission by phonon assisted coherent mixing of excitons in Au8-CdS hybrid nanorods

By: Rath, S.; Halder, O.; Pradhani, A.; et al.

NANOTECHNOLOGY Volume: 27 Issue: 49 Article Number: 495706 Published: DEC 9 2016

6,978. Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 763 Pages: 238-250 Published: DEC 10 2016

6,979. Measurement of the ZZ production cross section and  $Z \rightarrow l^{(+)}l^{(-)}$  branching fraction in pp collisions at  $\sqrt{s}=13\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 763 Pages: 280-303 Published: DEC 10 2016

6,980. Search for lepton flavour violating decays of the Higgs boson to  $e\tau$  and  $e\mu$  in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 763 Pages: 472-500 Published: DEC 10 2016

6,981. Simultaneous observations of electromagnetically induced transparency (EIT) and absorption (EIA) in a multi-level V-type system of Rb-87 and theoretical simulation of the observed spectra using a multi-mode approach

By: Das, Bankim Chandra; Bhattacharyya, Dipankar; Das, Arpita; et al.

JOURNAL OF CHEMICAL PHYSICS Volume: 145 Issue: 22 Article Number: 224312 Published: DEC 14 2016

6,982. Preparation, characterization and evaluation of fluoride adsorption efficiency from water of iron-aluminium oxide-graphene oxide composite material

By: Kanrar, Sarat; Debnath, Sushanta; De, Pradip; et al.

CHEMICAL ENGINEERING JOURNAL Volume: 306 Pages: 269-279 Published: DEC 15 2016

6,983. Ionic conductivity and free volume related microstructural properties of LiClO<sub>4</sub>/PVA/NaAlg polymer composites: Positron annihilation spectroscopic studies

By: Sheela, T.; Bhajantri, R. F.; Nambissan, P. M. G.; et al.

JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 454 Pages: 19-30 Published: DEC 15 2016

6,984. Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 083 Published: DEC 16 2016

6,985. Search for dark matter particles in proton-proton collisions at  $\sqrt{s} = 8$  TeV using the razor variables

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 088 Published: DEC 19 2016

6,986. Anti-viral role of toll like receptor 4 in hepatitis B virus infection: An in vitro study

By: Das, Dipanwita; Sarkar, Neelakshi; Sengupta, Isha; et al.

WORLD JOURNAL OF GASTROENTEROLOGY Volume: 22 Issue: 47 Pages: 10341-10352 Published: DEC 21 2016

6,987. Measurement of the mass of the top quark in decays with a J/psi meson in pp collisions 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 123 Published: DEC 22 2016

6,988. Electromagnetic spectral properties and Debye screening of a strongly magnetized hot medium

By: Bandyopadhyay, Aritra; Islam, Chowdhury Aminul; Mustafa, Munshi G.

PHYSICAL REVIEW D Volume: 94 Issue: 11 Article Number: 114034 Published: DEC 27 2016

6,989. Multicritical absorbing phase transition in a class of exactly solvable models

By: Chatterjee, Arijit; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 94 Issue: 6 Article Number: 062141 Published: DEC 28 2016

6,990. Disorder-induced phase transition in an opinion dynamics model: Results in two and three dimensions

By: Mukherjee, Sudip; Chatterjee, Arnab

PHYSICAL REVIEW E Volume: 94 Issue: 6 Article Number: 062317 Published: DEC 28 2016

6,991. Flat holography: aspects of the dual field theory

By: Bagchi, Arjun; Basu, Rudranil; Kakkar, Ashish; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 147 Published: DEC 29 2016

6,992. Searches for R-parity-violating supersymmetry in pp collisions at root s=8 TeV in final states with 0-4 leptons

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 94 Issue: 11 Article Number: 112009 Published: DEC 29 2016

6,993. Fourier Transform Ultrasound Spectroscopy for the determination of wave propagation parameters

By: Pal, Barnana

ULTRASONICS Volume: 73 Pages: 140-143 Published: JAN 2017

6,994. Characterization of nonOhmic electrical transport in double perovskite compounds through bias scale and nonlinearity exponent

By: Chakraborty, D.; Nandi, U. N.; Jana, D.; et al.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 100 Pages: 19-24 Published: JAN 2017

6,995. Breakup effects on alpha spectroscopic factors of O-16

By: Adhikari, S.; Basu, C.; Sugathan, P.; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 44 Issue: 1 Article Number: 015102 Published: JAN 2017

6,996. A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421

By: Abeysekara, A. U.; Archambault, S.; Archer, A.; et al.

Group Author(s): VERITAS Collaboration; MAGIC Collaboration

ASTROPHYSICAL JOURNAL Volume: 834 Issue: 1 Article Number: 2 Published: JAN 1 2017

6,997. Increased expression of ApoA1 after neuronal injury may be beneficial for healing

By: Sengupta, Mohor B.; Saha, Suparna; Mohanty, Pradeep K.; et al.

MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 424 Issue: 1-2 Pages: 45-55 Published: JAN 2017

6,998. Detection of bubble nucleation event in superheated drop detector by the pressure sensor

By: Das, Mala; Biswas, Nilanjan

PRAMANA-JOURNAL OF PHYSICS Volume: 88 Issue: 1 Article Number: 14 Published: JAN 2017

6,999. Modulation of mutant Huntingtin aggregates and toxicity by human myeloid leukemia factors

By: Banerjee, Manisha; Datta, Moumita; Bhattacharyya, Nitai P.

INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY Volume: 82 Pages: 1-9 Published: JAN 2017

7,000. Competitive adsorption of ternary dye mixture using pine cone powder modified with beta-cyclodextrin

By: Debnath, Sushanta; Ballav, Niladri; Maity, Arjun; et al.

JOURNAL OF MOLECULAR LIQUIDS Volume: 225 Pages: 679-688 Published: JAN 2017

7,001. Structures of spin-coated and annealed monolayer and multilayer poly(3-dodecylthiophene) thin films

By: Roy, I.; Hazra, S.

RSC ADVANCES Volume: 7 Issue: 5 Pages: 2563-2572 Published: 2017

7,002. Positron annihilation studies and complementary experimental characterization of  $x\text{Ag}(2)\text{O}-(1-x)(0.3\text{CdO}-0.7\text{MoO}(3))$  metal oxide glass nanocomposites

By: Kundu, Ranadip; Bhattacharya, Sanjib; Roy, Debasish; et al.

RSC ADVANCES Volume: 7 Issue: 14 Pages: 8131-8141 Published: 2017

7,003. Dual upper drift waves in RF produced magnetized helium plasma

By: Ghosh, Abhijit; Saha, S. K.; Chowdhury, S.; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 1 Article Number: 012104 Published: JAN 2017

7,004. The CMS trigger system

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P010120 Published: JAN 2017

7,005. Electronic and spatial control over the formation of transient ion pairs during photoinduced electron transfer between proflavine-amine systems in a subpicosecond time regime

By: Sengupta, Chaitrali; Mitra, Piyali; Seth, Banabithi Koley; et al.

RSC ADVANCES Volume: 7 Issue: 25 Pages: 15149-15157 Published: 2017

7,006. Enhancement of the magnetoresistive property by introducing disorder in the  $(\text{La}_{1-x}\text{Y}_x)(0.7)\text{Ca}_0.3\text{MnO}_3$  compound

By: Banik, Sanjib; Das, Kalipada; Das, I.

RSC ADVANCES Volume: 7 Issue: 27 Pages: 16575-16580 Published: 2017

7,007. The plant alkaloid chelerythrine binds to chromatin, alters H3K9Ac and modulates global gene expression

By: Banerjee, Amrita; Sanyal, Sulagna; Dutta, Shreyasi; et al.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume: 35 Issue: 7 Pages: 1491-1499 Published: 2017

7,008. Gravitomagnetic effect in magnetized neutron stars

By: Chatterjee, Debarati; Chakraborty, Chandrachur; Bandyopadhyay, Debades

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 1 Article Number: 062 Published: JAN 2017

7,009. Enzyme Adsorption on Nanoparticle Surface Probed by Highly Sensitive Second Harmonic Light Scattering

By: Das, Anindita; Chakrabarti, Abhijit; Das, Puspendu K.

NANOARMORING OF ENZYMES: RATIONAL DESIGN OF POLYMER-WRAPPED ENZYMES Book Series:  
Methods in Enzymology Volume: 590 Pages: 33-58 Published: 2017

7,010. Origin of the optical anisotropy and the electronic structure of Ru-based double perovskite oxides: DFT and XPS studies

By: Sakhya, Anup Pradhan; Rai, D. P.; Sheikh, Md. Sariful; et al.

RSC ADVANCES Volume: 7 Issue: 69 Pages: 43531-43539 Published: 2017

7,011. Production of no-carrier-added Ru-97 from B-11-activated natural yttrium target and its subsequent separation using liquid-liquid extraction

By: Kumar, Deepak; Maiti, Moumita; Lahiri, Susanta

SEPARATION SCIENCE AND TECHNOLOGY Volume: 52 Issue: 14 Pages: 2372-2378 Published: 2017

7,012. Composition analysis of two different PEDOT:PSS commercial products used as an interface layer in Au/n-Si Schottky diode

By: Mahato, Somnath

RSC ADVANCES Volume: 7 Issue: 74 Pages: 47125-47131 Published: 2017

7,013. Flow Cytometric Analysis of Protein Aggregates

By: Debnath, Sushanta; Nath, Bikram; Chakrabarti, Abhijit

PROTEIN AND PEPTIDE LETTERS Volume: 24 Issue: 10 Pages: 969-973 Published: 2017

7,014. Deformed band structures at high spin in TI-200

By: Bhattacharya, Soumik; Bhattacharyya, S.; Das Gupta, S.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 1 Article Number: 014301 Published: JAN 3 2017

7,015. Inclusive search for supersymmetry using razor variables in pp collisions at root s=13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012003 Published: JAN 6 2017

7,016. Measurements of the  $t\bar{t}$  production cross section in lepton plus jets final states in pp collisions at 8 and ratio of 8 to 7 cross sections

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Pages: 1-27 Article Number: 15 Published: JAN 7 2017

7,017. Coexistence of topological Dirac fermions on the surface and three-dimensional Dirac cone state in the bulk of ZrTe5 single crystal

By: Pariari, Arnab; Mandal, Prabhat

SCIENTIFIC REPORTS Volume: 7 Article Number: 40327 Published: JAN 9 2017

7,018. Nonequilibrium steady states in a closed inhomogeneous asymmetric exclusion process with generic particle nonconservation



- By: Daga, Bijoy; Mondal, Souvik; Chandra, Anjan Kumar; et al.  
PHYSICAL REVIEW E Volume: 95 Issue: 1 Article Number: 012113 Published: JAN 9 2017
- 7,019. Observation of the decay  $B^+ \rightarrow \psi(2S)\phi(1020)K^+$  in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 764 Pages: 66-86 Published: JAN 10 2017
- 7,020. NNLO QCD corrections to the Drell-Yan cross section in models of TeV-scale gravity  
By: Ahmed, Taushif; Banerjee, Pulak; Dhani, Prasanna K.; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Article Number: 22 Published: JAN 10 2017
- 7,021. Role of Oxygen Vacancy on the Hydrophobic Behavior of TiO<sub>2</sub> Nanorods on Chemically Etched Si Pyramids  
By: Saini, C. P.; Barman, A.; Das, D.; et al.  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 1 Pages: 278-283 Published: JAN 12 2017
- 7,022. Efficient Excitation of Higher Order Modes in the Plasmonic Response of Individual Concave Gold Nanocubes  
By: Maiti, Arpan; Maity, Achyut; Satpati, Biswarup; et al.  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 1 Pages: 731-740 Published: JAN 12 2017
- 7,023. Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 118 Issue: 2 Article Number: 021802 Published: JAN 12 2017
- 7,024. Anti-hepatitis B virus (HBV) response of imiquimod based toll like receptor 7 ligand in hbv-positive human hepatocellular carcinoma cell line  
By: Das, Dipanwita; Sengupta, Isha; Sarkar, Neelakshi; et al.  
BMC INFECTIOUS DISEASES Volume: 17 Article Number: 76 Published: JAN 14 2017
- 7,025. Socio-economic inequality: Relationship between Gini and Kolkata indices  
By: Chatterjee, Arnab; Ghosh, Asim; Chakrabarti, Bikas K.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 466 Pages: 583-595  
Published: JAN 15 2017
- 7,026. Search for high-mass Z gamma resonances in  $e^{(+)}e^{(-)}\gamma$  and  $\mu^{(+)}\mu^{(-)}\gamma$  final states in proton-proton collisions at  $\sqrt{s}=8$  and 13 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 076 Published: JAN 17 2017
- 7,027. Charged-particle multiplicities in proton-proton collisions at  $\sqrt{s}=0.9$  to 8 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Article Number: 33 Published: JAN 17 2017

7,028.A Possible Role of the Full-Length Nascent Protein in Post-Translational Ribosome Recycling  
By: Das, Debasis; Samanta, Dibyendu; Bhattacharya, Arpita; et al.  
PLOS ONE Volume: 12 Issue: 1 Article Number: e0170333 Published: JAN 18 2017

7,029.Jahn-Teller effect in LiMn<sub>2</sub>O<sub>4</sub>: influence on charge ordering, magnetoresistance and battery performance  
By: Ragavendran, K.; Xia, H.; Mandal, P.; et al.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 19 Issue: 3 Pages: 2073-2077 Published: JAN 21 2017

7,030.Thickness dependent structural, magnetic and magneto-dynamic properties of Mn rich Ni-Mn-Sn films  
By: Modak, Rajkumar; Samantaray, B.; Mandal, P.; et al.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 692 Pages: 529-534 Published: JAN 25 2017

7,031.Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at root s=8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012009 Published: JAN 25 2017

7,032.Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at root s=13 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012011 Published: JAN 27 2017

7,033.Nanoscale eta-NiSi formation via ion irradiation of Si/Ni/Si  
By: Banu, Nasrin; Satpati, Biswarup; Bhukta, Anjan; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 121 Issue: 4 Article Number: 045302 Published: JAN 28 2017

7,034.Determination of the neutron-capture rate of C-17 for r-process nucleosynthesis  
By: Heine, M.; Typel, S.; Wu, M. -R.; et al.  
Group Author(s): R3B Collaboration  
PHYSICAL REVIEW C Volume: 95 Issue: 1 Article Number: 014613 Published: JAN 30 2017

7,035.Crystal growth kinetics of ultra-thin ZrO<sub>2</sub> film on Si by differential scanning calorimetry  
By: Faruque, Sk Abdul Kader Md; Debnath, Debika; Giri, Bimalesh; et al.  
JOURNAL OF CRYSTAL GROWTH Volume: 459 Pages: 38-42 Published: FEB 1 2017

7,036. Formation of annular plasma downstream by magnetic aperture in the helicon experimental device

By: Ghosh, Soumen; Yadav, S.; Barada, K. K.; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 2 Article Number: 020703 Published: FEB 2017

7,037. Stability properties of the steady state solutions of a non-neutral plasma diode when there is a uniform magnetic field along transverse direction

By: Kuznetsov, V. I.; Pramanik, Sourav; Gerasimenko, A. B.; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 2 Article Number: 023107 Published: FEB 2017

7,038. Mixed mode oscillations in presence of inverted fireball in an excitable DC glow discharge magnetized plasma

By: Mitra, Vramori; Prakash, N. Hari; Solomon, Infant; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 2 Article Number: 022307 Published: FEB 2017

7,039. RNA Helix: computational modeling of nucleic acid structures with Watson-Crick and non-canonical base pairs

By: Bhattacharyya, Dhananjay; Halder, Sukanya; Basu, Sankar; et al.

JOURNAL OF COMPUTER-AIDED MOLECULAR DESIGN Volume: 31 Issue: 2 Pages: 219-235  
Published: FEB 2017

7,040. The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade

By: Ahmed, W.; Abbaneo, D.; Abbas, M.; et al.

Group Author(s): CMS Muon Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P02003 Published: FEB 2017

7,041. Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P02014 Published: FEB 2017

7,042. Evidence of Formation of Superdense Nonmagnetic Cobalt

By: Banu, Nasrin; Singh, Surendra; Satpati, B.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 41856 Published: FEB 3 2017

7,043. Geometrically frustrated GdInO<sub>3</sub>: An exotic system to study negative thermal expansion and spin-lattice coupling

By: Paul, Barnita; Chatterjee, Swastika; Roy, Anushree; et al.

PHYSICAL REVIEW B Volume: 95 Issue: 5 Article Number: 054103 Published: FEB 6 2017

7,044. X-ray Reflectivity Study of the Interaction of an Imidazolium-Based Ionic Liquid with a Soft Supported Lipid Membrane

By: Bhattacharya, G.; Giri, R. P.; Saxena, H.; et al.

LANGMUIR Volume: 33 Issue: 5 Pages: 1295-1304 Published: FEB 7 2017

7,045. Search for anomalous  $Wtb$  couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 028 Published: FEB 7 2017

7,046. Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Ruiz Vargas, J. C.; Battilana, C.; Malberti, M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 048 Published: FEB 9 2017

7,047. Evidence for collectivity in pp collisions at the LHC

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 765 Pages: 193-220 Published: FEB 10 2017

7,048. Overview of large area triple-GEM detectors for the CMS forward muon upgrade

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 845 Pages: 298-303

Published: FEB 11 2017

7,049. R&D on a new type of micropattern gaseous detector: The Fast Timing Micropattern detector

By: Abbaneo, D.; Abbas, M.; Abbrescia, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 845 Pages: 313-317

Published: FEB 11 2017

7,050. Measurement of the production cross section of a W boson in association with two b jets in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 2 Article Number: 92 Published: FEB 11 2017

7,051. Role of oxygen in wetting of copper nanoparticles on silicon surfaces at elevated temperature

By: Ghosh, Tapas; Satpati, Biswarup

BEILSTEIN JOURNAL OF NANOTECHNOLOGY Volume: 8 Pages: 425-433 Published: FEB 13 2017

7,052. Evidence of two structurally related solvatochromic probes complexed with beta-cyclodextrin by using spectroscopic methods

By: Ghosh, Sujay; Mitra, Amrit Krishna; Pal, Uttam; et al.

JOURNAL OF MOLECULAR STRUCTURE Volume: 1130 Pages: 810-817 Published: FEB 15 2017

7,053. Transition from single to multiple axial potential structure in expanding helicon plasma

By: Ghosh, Soumen; Chattopadhyay, P. K.; Ghosh, J.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 50 Issue: 6 Article Number: 065201 Published: FEB 15 2017

7,054.W and Z boson production in p-Pb collisions at TeV  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 077 Published: FEB 15 2017

7,055.Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMC Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 079 Published: FEB 15 2017

7,056.Interaction at the F16CuPc/TiO<sub>2</sub> Interface: A Photoemission and X-ray Absorption Study

By: Sinha, Sumona; Islam, A. K. M. Maidul; Vorokhta, Mykhailo; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 6 Pages: 3365-3372 Published: FEB 16 2017

7,057.Tuning separation behavior of tailor-made thin film poly(piperazine-amide) composite membranes for pesticides and salts from water

By: Mehta, Romil; Brahmabhatt, H.; Mukherjee, M.; et al.

DESALINATION Volume: 404 Pages: 280-290 Published: FEB 17 2017

7,058.Multiple crossovers between positive and negative magnetoresistance versus field due to fragile spin structure in metallic GdPd<sub>3</sub>

By: Pandey, Abhishek; Mazumdar, Chandan; Ranganathan, R.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 42789 Published: FEB 17 2017

7,059.Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at  $\sqrt{s}=8$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Burns, D; CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 096 Published: FEB 20 2017

7,060.Structural and biochemical studies on *Vibrio cholerae* Hsp31 reveals a novel dimeric form and Glutathione-independent Glyoxalase activity

By: Das, Samir; Chowdhury, Sanghati Roy; Dey, Sanjay; et al.

PLOS ONE Volume: 12 Issue: 2 Article Number: e0172629 Published: FEB 24 2017

7,061.Determination of the event collision time with the ALICE detector at the LHC

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL PLUS Volume: 132 Issue: 2 Article Number: 99 Published: FEB 24 2017

7,062. Anjan Kundu (1953-2016)

By: Lakshmanan, M.; Chakrabarti, Bikas K.

CURRENT SCIENCE Volume: 112 Issue: 4 Pages: 865-866 Published: FEB 25 2017

7,063. Intracellular detection of hazardous Cd<sup>2+</sup> through a fluorescence imaging technique by using a nontoxic coumarin based sensor

By: Kumari, Chanda; Sain, Dibyendu; Kumar, Ashish; et al.

DALTON TRANSACTIONS Volume: 46 Issue: 8 Pages: 2524-2531 Published: FEB 28 2017

7,064. Three loop form factors of a massive spin-2 particle with nonuniversal coupling

By: Ahmed, Taushif; Banerjee, Pulak; Dhani, Prasanna K.; et al.

PHYSICAL REVIEW D Volume: 95 Issue: 3 Article Number: 034035 Published: FEB 28 2017

7,065. Searches for invisible decays of the Higgs boson in pp collisions at root S=7, 8, and 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 135 Published: FEB 28 2017

7,066. Investigation of multifractal nature of floating potential fluctuations obtained from a dc glow discharge magnetized plasma

By: Shaw, Pankaj Kumar; Saha, Debajyoti; Ghosh, Sabuj; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 469 Pages: 363-371

Published: MAR 1 2017

7,067. Incorporation of no-carrier added Pb-200, Pb-203 and Tl-200, Tl-201, Tl-202 in calcium alginate and hesperidin incorporated calcium alginate beads

By: Sarkar, Kangkana; Lahiri, Susanta; Sen, Kamalika

APPLIED RADIATION AND ISOTOPES Volume: 121 Pages: 16-21 Published: MAR 2017

7,068. Effect of Au thickness on AuAg bimetallic growth on reconstructed Si(5512) surfaces

By: Bhukta, Anjan; Ghosh, Arnab; Guha, Puspendu; et al.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 123 Issue: 3 Article Number: 174

Published: MAR 2017

7,069. Somatostatin receptor targeted liposomes with Diacerein inhibit IL-6 for breast cancer therapy

By: Bharti, Rashmi; Dey, Goutam; Banerjee, Indranil; et al.

CANCER LETTERS Volume: 388 Pages: 292-302 Published: MAR 1 2017

7,070. Micellar control over tautomerization and photo-induced electron transfer of Lumichrome in the presence of aliphatic and aromatic amines: a transient absorption study

By: Sengupta, Chaitrali; Sarangi, Manas Kumar; Sau, Abhishek; et al.

METHODS AND APPLICATIONS IN FLUORESCENCE Volume: 5 Issue: 1 Article Number: 014008

Published: MAR 2017

7,071. Measurement of background radioactivity in surface soil of Indian Sundarban

By: Chaudhuri, Punarbasu; Naskar, Nabanita; Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 311 Issue: 3 Pages: 1947-1952  
Published: MAR 2017

7,072. Separation of long-lived Eu-152 radioisotopes from a binary mixture of Eu-152 and Cs-134 by calcium alginate: a green technique

By: Sarkar, Kangkana; Sen, Kamalika; Lahiri, Susanta  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 311 Issue: 3 Pages: 2001-2006  
Published: MAR 2017

7,073. beta DECAY AS A NEW PROBE FOR THE LOW-ENERGY E1 STRENGTH

By: Scheck, M.; Mishev, S.; Ponomarev, V. Yu.; et al.  
ACTA PHYSICA POLONICA B Volume: 48 Issue: 3 Pages: 547-552 Published: MAR 2017

7,074. Supergravity contributions to inflation in models with non-minimal coupling to gravity

By: Das, Kumar; Domcke, Valerie; Dutta, Koushik  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 3 Article Number: 036 Published:  
MAR 2017

7,075. Baryon asymmetry via leptogenesis in a neutrino mass model with complex scaling

By: Samanta, Rome; Chakraborty, Mainak; Roy, Probir; et al.  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 3 Article Number: 025 Published:  
MAR 2017

7,076. Possible management of near shore nonlinear surging waves through bottom boundary conditions

By: Mukherjee, Abhik; Janaki, M. S.; Kundu, Anjan  
PHYSICA SCRIPTA Volume: 92 Issue: 3 Article Number: 035201 Published: MAR 2017

7,077. Magnetoelectric memory in reentrant frozen state and considerable ferroelectricity in the multiferroic spin-chain compound  $\text{Sm}_2\text{BaNiO}_5$

By: Indra, A.; Dey, K.; Majumdar, S.; et al.  
PHYSICAL REVIEW B Volume: 95 Issue: 9 Article Number: 094402 Published: MAR 3 2017

7,078. Magnetic ordering induced ferroelectricity in  $\alpha\text{-Cu}_2\text{V}_2\text{O}_7$  studied through non-magnetic Zn doping

By: Chattopadhyay, Bidisa; Ahmed, Md. A.; Bandyopadhyay, S.; et al.  
JOURNAL OF APPLIED PHYSICS Volume: 121 Issue: 9 Article Number: 094103 Published: MAR 7  
2017

7,079. Large nonsaturating magnetoresistance and signature of nondegenerate Dirac nodes in  $\text{ZrSiS}$

By: Singha, Ratnadwip; Pariari, Arnab Kumar; Satpati, Biswarup; et al.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA  
Volume: 114 Issue: 10 Pages: 2468-2473 Published: MAR 7 2017

7,080.Evidence of contact epitaxy in the self-assembly of HgSe nanocrystals formed at a liquid-liquid interface

By: Maiti, Santanu; Sanyal, Milan K.; Jana, Manoj K.; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 29 Issue: 9 Article Number: 095101

Published: MAR 8 2017

7,081.Decoupling limit and throat geometry of non-susy D3 brane

By: Nayek, Kuntal; Roy, Shibaji

PHYSICS LETTERS B Volume: 766 Pages: 192-195 Published: MAR 10 2017

7,082.J/Psi suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 766 Pages: 212-224 Published: MAR 10 2017

7,083.Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 061 Published: MAR 10 2017

7,084.Fundamental flavours, fields and fixed points: a brief account

By: Kundu, Arnab; Kundu, Nilay

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 071 Published: MAR 13 2017

7,085.Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 5 Article Number: 052002 Published: MAR 13 2017

7,086.Magnetic and magnetoresistive properties of half-metallic ferromagnetic and charge ordered modified ferromagnetic manganite nanoparticles

By: Das, Kalipada; Das, I.

JOURNAL OF APPLIED PHYSICS Volume: 121 Issue: 10 Article Number: 103904 Published: MAR 14 2017

7,087.Search for heavy neutrinos or third-generation leptiquarks in final states with two hadronically decaying tau leptons and two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 077 Published: MAR 14 2017

7,088.Search for CP violation in  $t(\bar{t})$  production and decay in proton-proton collisions at  $\sqrt{s}=8$  TeV



By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 101 Published: MAR 20 2017

7,089.Measurement of the  $t\bar{t}$  production cross section using events in the  $e\mu$  final state in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 3 Article Number: 172 Published: MAR 20 2017

7,090.In-Situ GISAXS Study of Supramolecular Nanofibers having Ultrafast Humidity Sensitivity

By: Bhattacharyya, Arpan; Sanyal, Milan K.; Mogera, Umesha; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 246 Published: MAR 21 2017

7,091.Continuously Varying Critical Exponents Beyond Weak Universality

By: Khan, N.; Sarkar, P.; Midya, A.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 45004 Published: MAR 22 2017

7,092.Two-Dimensional Hybrid Organohalide Perovskites from Ultrathin PbS Nanocrystals as Template

By: Pradhan, Jayita; Mukherjee, Soham; Khan, Ali Hossain; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 11 Pages: 6401-6408 Published: MAR 23 2017

7,093.Natural Template Mediated Sustainable Synthesis of Nanocrystalline Zeolite with Significantly Improved Catalytic Activity

By: Rani, Poonam; Satpati, Biswarup; Srivastava, Rajendra

CHEMISTRYSELECT Volume: 2 Issue: 9 Pages: 2870-2879 Published: MAR 23 2017

7,094.Detecting supernova neutrinos with iron and lead detectors

By: Bandyopadhyay, Abhijit; Bhattacharjee, Pijushpani; Chakraborty, Sovan; et al.

PHYSICAL REVIEW D Volume: 95 Issue: 6 Article Number: 065022 Published: MAR 23 2017

7,095.Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 12 Article Number: 122301 Published: MAR 24 2017

7,096.Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at  $\sqrt{s}=8$  TeV and cross section ratios to 2.76 and 7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 156 Published: MAR 29 2017

7,097. Search for massive resonances decaying in to WW, WZ or ZZ bosons in proton-proton collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 162 Published: MAR 30 2017

7,098. Hierarchically designed PEDOT encapsulated graphene-MnO<sub>2</sub> nanocomposite as supercapacitors

By: Agnihotri, Nidhi; Sen, Pintu; De, Amitabha; et al.

MATERIALS RESEARCH BULLETIN Volume: 88 Pages: 218-225 Published: APR 2017

7,099. Coulomb breakup of neutron-rich Na-29, Na-30 isotopes near the island of inversion

By: Rahaman, A.; Datta, Ushasi; Aumann, T.; et al.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 44 Issue: 4 Article Number: 045101 Published: APR 2017

7,100. Localization and dynamics of the anticarcinogenic curcumin with GM(1) and other micellar assemblies

By: Patra, Malay; Mandal, Manoj; Chakrabarti, Abhijit; et al.

GLYCOCONJUGATE JOURNAL Volume: 34 Issue: 2 Pages: 171-179 Published: APR 2017

7,101. Measurement of naturally occurring radioactive material, U-238 and Th-232: part 2-optimization of counting time

By: Naskar, Nabanita; Lahiri, Susanta; Chaudhuri, Punarbasu; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 312 Issue: 1 Pages: 161-171 Published: APR 2017

7,102. Magnetic and magnetocaloric properties of polycrystalline La<sub>0.48</sub>Ca<sub>0.52</sub>MnO<sub>3</sub> compound at low temperature: Influence of glassy magnetic state

By: Das, Kalipada; Das, I.

PHYSICA B-CONDENSED MATTER Volume: 510 Pages: 29-32 Published: APR 1 2017

7,103. Chromatin reader ZMYND8 is a key target of all trans retinoic acid-mediated inhibition of cancer cell proliferation

By: Basu, Moitri; Khan, Md Wasim; Chakrabarti, Partha; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENE REGULATORY MECHANISMS Volume: 1860 Issue: 4 Pages: 450-459 Published: APR 2017

7,104. Final results of the PICASSO dark matter search experiment

By: Behnke, E.; Besnier, M.; Bhattacharjee, P.; et al.

ASTROPARTICLE PHYSICS Volume: 90 Pages: 85-92 Published: APR 2017

7,105. Mechanical stability of the CMS strip tracker measured with a laser alignment system

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P04023 Published: APR 2017

7,106.Langmuir probe in collisionless and collisional plasma including dusty plasma

By: Bose, Sayak; Kaur, Manjit; Chattopadhyay, P. K.; et al.

JOURNAL OF PLASMA PHYSICS Volume: 83 Issue: 2 Article Number: 615830201 Published: APR 2017

7,107.Sapindus mukorossi fruit extract mediated synthesis of silver nanoparticle and study of its catalytic and antibacterial activity

By: Mitra, Atanu; Dinda, Gargi; Halder, Dipankar; et al.

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 253 Meeting Abstract: 352-COLL Published: APR 2 2017

7,108.Direct observation of breathing dynamics at the mismatch induced DNA bubble by smFRET measurement

By: Paul, Tapas; Mishra, Padmaja

ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 253 Meeting Abstract: 145 Published: APR 2 2017

7,109.Correlation between battery material performance and cooperative electron-phonon interaction in LiCoMn<sub>2</sub>-yO<sub>4</sub>

By: Ragavendran, Krishna Rao; Mandal, Prabhat; Yarlagadda, Sudhakar

APPLIED PHYSICS LETTERS Volume: 110 Issue: 14 Article Number: 143901 Published: APR 3 2017

7,110.D2-D8 system with massive strings and the Lifshitz spacetimes

By: Singh, Harvendra

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 011 Published: APR 4 2017

7,111.Search for electroweak production of charginos in final states with two T leptons in pp collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 018 Published: APR 4 2017

7,112.Multifragmentation model for the production of astrophysical strangelets

By: Biswas, Sayan; De, J. N.; Joarder, Partha S.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 4 Article Number: 045201 Published: APR 4 2017

7,113.Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 022 Published: APR 5 2017

7,114.Charged-particle nuclear modification factors in PbPb and pPb collisions at root s(NN)=5.02 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 039 Published: APR 7 2017

7,115. Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 767 Pages: 147-170 Published: APR 10 2017

7,116. Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at  $\sqrt{s}=8$  TeV using the  $\alpha(T)$  variable

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 767 Pages: 403-430 Published: APR 10 2017

7,117. Reentrant superspin glass state and magnetization steps in the oxyborate  $\text{Co}_2\text{AlBO}_5$

By: Kumar, Jitender; Panja, Soumendra Nath; John, Deepak; et al.

PHYSICAL REVIEW B Volume: 95 Issue: 14 Article Number: 144409 Published: APR 10 2017

7,118. Manipulating cold atoms with optical fibres

By: Chakrabarti, Shrabana

CURRENT SCIENCE Volume: 112 Issue: 7 Pages: 1369-1374 Published: APR 10 2017

7,119. Measurement of the WZ production cross section in pp collisions at  $\sqrt{s}=7$  and 8 TeV and search for anomalous triple gauge couplings at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 236 Published: APR 12 2017

7,120. Effect of magnetic field on dilepton production in a hot plasma

By: Bandyopadhyay, Aritra; Mallik, S.

PHYSICAL REVIEW D Volume: 95 Issue: 7 Article Number: 074019 Published: APR 13 2017

7,121. Effects of boundary conditions and gradient flow in (1+1)-dimensional lattice  $\phi(4)$  theory

By: Harindranath, A.; Maiti, Jyotirmoy

PHYSICAL REVIEW D Volume: 95 Issue: 7 Article Number: 074506 Published: APR 13 2017

7,122. Antisite-disorder driven large exchange bias effect in phase separated  $\text{La}_{1.5}\text{Ca}_{0.5}\text{CoMnO}_6$  double perovskite

By: Sahoo, R. C.; Paladhi, D.; Dasgupta, Papri; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 428 Pages: 86-91 Published: APR 15 2017

7,123. Differential role of nonmuscle myosin II isoforms during blebbing of MCF-7 cells  
By: Dey, Sumit K.; Singh, Raman K.; Chatteraj, Shyamtanu; et al.  
MOLECULAR BIOLOGY OF THE CELL Volume: 28 Issue: 8 Pages: 1034-1042 Published: APR 15 2017

7,124. Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at  $\sqrt{s}=7$  TeV and p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 245 Published: APR 17 2017

7,125. Suppression and azimuthal anisotropy of prompt and nonprompt J/psi production in PbPb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 252 Published: APR 19 2017

7,126. Relative Modification of Prompt psi(2S) and J/psi Yields from pp to PbPb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 118 Issue: 16 Article Number: 162301 Published: APR 20 2017

7,127. Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 118 Issue: 16 Article Number: 162302 Published: APR 21 2017

7,128. Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 136 Published: APR 21 2017

7,129. Cholesterol-Induced Structural Changes in Saturated Phospholipid Model Membranes Revealed through X-ray Scattering Technique  
By: Giri, Rajendra P.; Chakrabarti, Abhijit; Mukhopadhyay, Mrinmay K.  
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 121 Issue: 16 Pages: 4081-4090 Published: APR 27 2017

7,130.Measurement of prompt and nonprompt J/psi production in pp and pPb collisions at root s(NN)=5.02 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 269 Published: APR 27 2017

7,131.Magnetic ground state and giant spontaneous exchange bias in Ni<sub>46</sub>Mn<sub>43</sub>In<sub>11</sub> alloy

By: Ray, Mayukh K.; Maji, Bibekananda; Modak, M.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 429 Pages: 110-116 Published: MAY 1 2017

7,132.Highly efficient and recyclable basic mesoporous zeolite catalyzed condensation, hydroxylation, and cycloaddition reactions

By: Sarmah, Bhaskar; Satpati, Biswarup; Srivastava, Rajendra

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 493 Pages: 307-316 Published: MAY 1 2017

7,133.Thickness-dependent evolution of structure, electronic structure, and metal-insulator transition in ultrathin V<sub>2</sub>O<sub>3</sub>(0001) films on Ag(001)

By: Kundu, Asish K.; Menon, Krishnakumar S. R.

SURFACE SCIENCE Volume: 659 Pages: 43-51 Published: MAY 2017

7,134.Thermal Decomposition Reaction of Ferrocene in the Presence of Oxalic Acid

By: Rooj, Amlan; Roy, Madhusudan; Bhattacharjee, Ashis

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS Volume: 49 Issue: 5 Pages: 319-332 Published: MAY 2017

7,135.Variation of surface area of silica monoliths by controlling ionic character/chain length of surfactants and polymers

By: Sharma, Manisha; Jain, Pallavi; Mishra, Amit; et al.

MATERIALS LETTERS Volume: 194 Pages: 213-216 Published: MAY 1 2017

7,136.A bis-hydrazone derivative of 2,5-furandicarboxaldehyde with perfect hetero-atomic cavity for selective sensing of Hg(II) and its intracellular detection in living HeLa S3 cell

By: Kumari, Chanda; Sain, Dibyendu; Kumar, Ashish; et al.

SENSORS AND ACTUATORS B-CHEMICAL Volume: 243 Pages: 1181-1190 Published: MAY 2017

7,137.Electric field gradients in Zr<sub>8</sub>Ni<sub>21</sub> and Hf<sub>8</sub>Ni<sub>21</sub> intermetallic compounds; results from perturbed angular correlation measurements and first-principles density functional theory

By: Dey, S. K.; Dey, C. C.; Saha, S.; et al.

INTERMETALLICS Volume: 84 Pages: 112-120 Published: MAY 2017

7,138.Radiometric analysis of isotherms and thermodynamic parameters for cadmium(II) adsorption from aqueous medium by calcium alginate beads

By: Sarkar, Kangkana; Sen, Kamalika; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 312 Issue: 2 Pages: 343-354  
Published: MAY 2017

7,139.Evidence of nonlinearity in presence of external forcing and magnetic field in a glow discharge plasma

By: Saha, Debajyoti; Shaw, Pankaj Kumar; Ghosh, Sabuj; et al.

CHAOS SOLITONS & FRACTALS Volume: 98 Pages: 46-55 Published: MAY 2017

7,140.Cellular levels of Grb2 and cytoskeleton stability are correlated in a neurodegenerative scenario

By: Majumder, Piyali; Roy, Kasturi; Singh, Brijesh Kumar; et al.

DISEASE MODELS & MECHANISMS Volume: 10 Issue: 5 Pages: 655-669 Published: MAY 1 2017

7,141.Metabolomic Analysis of Mice Exposed to Gamma Radiation Reveals a Systemic Understanding of Total-Body Exposure

By: Golla, Srujana; Golla, Jaya Prakash; Krausz, Kristopher W.; et al.

RADIATION RESEARCH Volume: 187 Issue: 5 Pages: 612-629 Published: MAY 2017

7,142.Quasi exactly solvable extension of Calogero model associated with exceptional orthogonal polynomials

By: Basu-Mallick, B.; Mandal, Bhabani Prasad; Roy, Pinaki

ANNALS OF PHYSICS Volume: 380 Pages: 206-212 Published: MAY 2017

7,143.Discrete Single Crystalline Titanium Oxide Nanoparticle Formation from a Two-Dimensional Nanowelded Network

By: Dhal, Satyanarayan; Chatterjee, Shyamal; Facsko, Stefan; et al.

CRYSTAL GROWTH & DESIGN Volume: 17 Issue: 5 Pages: 2660-2666 Published: MAY 2017

7,144.Limiting symmetry energy elements from empirical evidence

By: Agrawal, B. K.; Samaddar, S. K.; De, J. N.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 26 Issue: 5 Article Number: 1750022 Published: MAY 2017

7,145.Measurement of differential cross sections for top quark pair production using the lepton plus jets final state in proton-proton collisions at 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 9 Article Number: 092001 Published: MAY 1 2017

7,146.Invited review: Physics potential of the ICAL detector at the India-based Neutrino Observatory (INO)

By: Kumar, A.; Kumar, A. M. Vinod; Jash, Abhik; et al.

PRAMANA-JOURNAL OF PHYSICS Volume: 88 Issue: 5 Article Number: 79 Published: MAY 2017

7,147.Strain Effects by Surface Oxidation of Cu<sub>3</sub>N Thin Films Deposited by DC Magnetron Sputtering

By: Majumdar, Abhijit; Drache, Steffen; Wulff, Harm; et al.

COATINGS Volume: 7 Issue: 5 Article Number: 64 Published: MAY 2017

7,148. Plasma wakefield excitation in a cold magnetized plasma for particle acceleration

By: Karmakar, Mithun; Chakrabarti, Nikhil; Sengupta, Sudip

PHYSICS OF PLASMAS Volume: 24 Issue: 5 Article Number: 052111 Published: MAY 2017

7,149. Energization of charged particles in regular and chaotic magnetic fields

By: Samanta, Subha; Shaw, Pankaj Kumar; Janaki, M. S.; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 5 Article Number: 054506 Published: MAY 2017

7,150. Observations of Sagittarius A\* during the pericenter passage of the G2 object with MAGIC

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 601 Article Number: A33 Published: MAY 2017

7,151. Jet-dilepton conversion from an anisotropic quark-gluon plasma

By: Mukherjee, Arghya; Mandal, Mahatsab; Roy, Pradip

EUROPEAN PHYSICAL JOURNAL A Volume: 53 Issue: 5 Article Number: 81 Published: MAY 2 2017

7,152. Observation of gamma(1S) pair production in proton-proton collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 013 Published: MAY 3 2017

7,153. Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at root s=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 029 Published: MAY 5 2017

7,154. Hydrothermal synthesis of polyaniline intercalated vanadium oxide xerogel hybrid nanocomposites: effective control of morphology and structural characterization

By: Kundu, Samapti; Satpati, Biswarup; Mukherjee, Manabendra; et al.

NEW JOURNAL OF CHEMISTRY Volume: 41 Issue: 9 Pages: 3634-3645 Published: MAY 7 2017

7,155. Novel evolution of the positive parity shears band in Ag-106

By: Das, B.; Rather, N.; Datta, P.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 5 Article Number: 051301 Published: MAY 8 2017

7,156. A search for new phenomena in pp collisions at root s=13 TeV in final states with missing transverse momentum and at least one jet using the alpha(T) variable

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 294 Published: MAY 8 2017



7,157. Search for narrow resonances in dilepton mass spectra in proton-proton collisions at  $\sqrt{s}=13$  TeV and combination with 8 TeV data

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 57-80 Published: MAY 10 2017

7,158. Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 103-129 Published: MAY 10 2017

7,159. Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 137-162 Published: MAY 10 2017

7,160.  $\phi$ -Meson production at forward rapidity in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV and in pp collisions at  $\sqrt{s}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 203-217 Published: MAY 10 2017

7,161. Universal spatiotemporal scaling of distortions in a drifting lattice

By: Dolai, Pritha; Basu, Abhik; Simha, Aditi

PHYSICAL REVIEW E Volume: 95 Issue: 5 Article Number: 052115 Published: MAY 10 2017

7,162. Search for the sterile neutrino mixing with the ICAL detector at INO

By: Behera, S. P.; Ghosh, Anushree; Choubey, Sandhya; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 307 Published: MAY 13 2017

7,163. Direct observation of breathing dynamics at the mismatch induced DNA bubble with nanometre accuracy: a smFRET study

By: Paul, Tapas; Bera, Subhas C.; Mishra, Padmaja P.

NANOSCALE Volume: 9 Issue: 18 Pages: 5835-5842 Published: MAY 14 2017

7,164. Searches for pair production of third-generation squarks in  $\sqrt{s}=13$  TeV pp collisions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 327 Published: MAY 18 2017

7,165. Production of  $\pi(0)$  and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 339 Published: MAY 22 2017

7,166. Warm unstable asymmetric nuclear matter: Critical properties and the density dependence of the symmetry energy

By: Alam, N.; Pais, H.; Providencia, C.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 5 Article Number: 055808 Published: MAY 23 2017

7,167. Pygmy Gamow-Teller resonance in the N=50 region: New evidence from staggering of beta-delayed neutron-emission probabilities

By: Verney, D.; Testov, D.; Ibrahim, F.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 5 Article Number: 054320 Published: MAY 23 2017

7,168. Measurement of the top quark mass using single top quark events in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 354 Published: MAY 29 2017

7,169. Size and density controlled Ag nanocluster embedded MOS structure for memory applications

By: Biswas, Debaleen; Mondal, Shyamal; Rakshit, Abhishek; et al.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 63 Pages: 1-5 Published: JUN 2017

7,170. A time projection chamber with GEM-based readout

By: Attie, David; Behnke, Ties; Bellerive, Alain; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 856 Pages: 109-118

Published: JUN 1 2017

7,171. MAGIC detection of very high energy gamma-ray emission from the low-luminosity blazar 1ES 1741+196

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; Fermi-LAT Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 468 Issue: 2 Pages: 1534-1541 Published: JUN 2017

7,172. Structural, Optical and Plasmonic Properties of Ag-TiO<sub>2</sub> Hybrid Plasmonic Nanostructures with Enhanced Photocatalytic Activity

By: Singh, Jaspal; Satpati, Biswarup; Mohapatra, Satyabrata

PLASMONICS Volume: 12 Issue: 3 Pages: 877-888 Published: JUN 2017

7,173. Effect of pH on stability, conformation, and chaperone activity of erythroid & non-erythroid spectrin

By: Bose, Dipayan; Patra, Malay; Chakrabarti, Abhijit

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1865 Issue: 6 Pages: 694-702 Published: JUN 2017

7,174. Dual histone reader ZMYND8 inhibits cancer cell invasion by positively regulating epithelial genes

By: Basu, Moitri; Sengupta, Isha; Khan, Md Wasim; et al.

BIOCHEMICAL JOURNAL Volume: 474 Issue: 11 Pages: 1919-1934 Published: JUN 1 2017

7,175. Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

NATURE PHYSICS Volume: 13 Issue: 6 Pages: 535-539 Published: JUN 2017

7,176. The electron capture in Ho-163 experiment - ECHO

By: Gastaldo, L.; Blaum, K.; Chrysalidis, K.; et al.

EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS Volume: 226 Issue: 8 Pages: 1623-1694 Published: JUN 2017

7,177. Experimental observation of electron-acoustic wave propagation in laboratory plasma

By: Chowdhury, Satyajit; Biswas, Subir; Chakrabarti, Nikhil; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 6 Article Number: 062111 Published: JUN 2017

7,178. Differential adsorption of a membrane skeletal protein, spectrin, in phospholipid membranes

By: Giri, Rajendra P.; Mukhopadhyay, Mrinmay K.; Mitra, Madhurima; et al.

EPL Volume: 118 Issue: 5 Article Number: 58002 Published: JUN 2017

7,179. Very-high-energy gamma-ray observations of the Type Ia Supernova SN 2014J with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 602 Article Number: A98 Published: JUN 2017

7,180. Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at root s(NN)=2.76 TeV

By: Adamova, D.; Aggarwal, M. M.; Rinella, G. Aglieri; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 22 Article Number: 222301 Published: JUN 2 2017

7,181. Designing of an artificial light energy converter in the form of short-chain dyad when combined with core-shell gold/silver nanocomposites

By: Dutta (Pal), Gopa; Paul, Somnath; Bardhan, Munmun; et al.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY Volume: 180 Pages: 168-174 Published: JUN 5 2017

7,182. Centrality dependence of high-p(T) D-meson suppression in Pb-Pb collisions at  $\sqrt{s(NN)} = 2.76$  TeV (vol 2015, 2015)

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 032 Published: JUN 6 2017

7,183. Mechanistic details of the formation and growth of nanoscale voids in Ge under extreme conditions within an ion track

By: Hooda, Sonu; Avchachov, Konstantin; Khan, S. A.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 50 Issue: 22 Article Number: 225302

Published: JUN 7 2017

7,184. Suppression of near band edge emission in specially engineered ZnO twin nanorods

By: Singh, Avanendra; Senapati, Kartik; Satpati, Biswarup; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 19 Issue: 21 Pages: 14012-14019 Published:

JUN 7 2017

7,185. Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 769 Pages: 391-412 Published: JUN 10 2017

7,186. Search for dijet resonances in proton-proton collisions at  $\sqrt{s}=13$  TeV and constraints on dark matter and other models

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 769 Pages: 520-542 Published: JUN 10 2017

7,187. Entanglement asymmetry for boosted black branes and the bound

By: Mishra, Rohit; Singh, Harvendra

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 32 Issue: 16 Article Number: 1750091

Published: JUN 10 2017

7,188. Role of the stability of charge ordering in exchange bias effect in doped manganites

By: Dasgupta, Papri; Das, Kalipada; Pakhira, Santanu; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 3220 Published: JUN 12 2017

7,189.  $K^*(892)(0)$  and  $\phi(1020)$  meson production at high transverse momentum in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 064606 Published: JUN 12 2017

7,190. Production of  $\Sigma(1385)(+/-)$  and  $\Xi(1530)(0)$  in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adamova, D.; Aggarwal, M. M.; Rinella, G. Aglieri; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 389 Published: JUN 13 2017

7,191. Specific DNA sequences allosterically enhance protein-protein interaction in a transcription factor through modulation of protein dynamics: implications for specificity of gene regulation

By: Mazumder, Abhishek; Batabyal, Subrata; Mondal, Manas; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 19 Issue: 22 Pages: 14781-14792 Published: JUN 14 2017

7,192. Energy dependence of forward-rapidity J/psi and psi (2S) production in pp collisions at the LHC

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 392 Published: JUN 14 2017

7,193. Growth of large aspect ratio AuAg bimetallic nanowires on Si(110) substrate

By: Bhukta, Anjan; Guha, Puspendu; Satpati, Biswarup; et al.

APPLIED SURFACE SCIENCE Volume: 407 Pages: 337-344 Published: JUN 15 2017

7,194. Doping of Ga in antiferromagnetic semiconductor alpha-Cr<sub>2</sub>O<sub>3</sub> and its effects on magnetic and electronic properties

By: Bhowmik, R. N.; Siva, K. Venkata; Ranganathan, R.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 432 Pages: 56-67 Published: JUN 15 2017

7,195. A comparative study of magnetic field induced meta-magnetic transition in nanocrystalline and bulk Pr<sub>0.65</sub>(Ca<sub>0.7</sub>Sr<sub>0.3</sub>)<sub>0.35</sub>MnO<sub>3</sub> compound

By: Saha, Suvayan; Das, Kalipada; Bandyopadhyay, Sudipta; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 432 Pages: 271-275 Published: JUN 15 2017

7,196. Magnetic field induced low temperature upturn of magnetization in highly Ca-doped La<sub>0.1875</sub>Ca<sub>0.8125</sub>MnO<sub>3</sub> polycrystalline compound

By: Das, Kalipada; Dasgupta, P.; Poddar, A.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 432 Pages: 425-429 Published: JUN 15 2017

7,197. Significance of Natural Scene Statistics in Understanding the Anisotropies of Perceptual Filling-in at the Blind Spot

By: Raman, Rajani; Sarkar, Sandip

SCIENTIFIC REPORTS Volume: 7 Article Number: 3586 Published: JUN 15 2017

7,198. Noncommutative duality and fermionic quasinormal modes of the BTZ black hole

By: Gupta, Kumar S.; Juric, Tajron; Samsarov, Andjelo

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 107 Published: JUN 20 2017

7,199.Measurement of electroweak-induced production of W gamma with two jets in pp collisions at root s=8TeV and constraints on anomalous quartic gauge couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 106 Published: JUN 20 2017

7,200.High-spin states in Cs-133 and the shell model description

By: Biswas, S.; Palit, R.; Sethi, J.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 064320 Published: JUN 22 2017

7,201.Relative fragmentation in ternary systems within the temperature-dependent relativistic mean-field approach

By: Kannan, M. T. Senthil; Kumar, Bharat; Balasubramaniam, M.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 064613 Published: JUN 22 2017

7,202.Dark Matter Search Results from the PICO-60C(3)F(8) Bubble Chamber

By: Amole, C.; Ardid, M.; Arnquist, I. J.; et al.

Group Author(s): PICO Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 25 Article Number: 251301 Published: JUN 23 2017

7,203.Millisecond radio pulsars with known masses: Parameter values and equation of state models

By: Bhattacharyya, Sudip; Bombaci, Ignazio; Bandyopadhyay, Debades; et al.

NEW ASTRONOMY Volume: 54 Pages: 61-71 Published: JUL 2017

7,204.Reentrant condensation transition in a two species driven diffusive system

By: Daga, Bijoy

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 477 Pages: 1-8 Published: JUL 1 2017

7,205.Energy level alignment and molecular conformation at rubrene/Ag interfaces: Impact of contact contaminations on the interfaces

By: Sinha, Sumona; Wang, C. -H.; Mukherjee, M.

APPLIED SURFACE SCIENCE Volume: 409 Pages: 22-28 Published: JUL 1 2017

7,206.Calcium dependent regulation of protein ubiquitination - Interplay between E3 ligases and calcium binding proteins

By: Mukherjee, Rukmini; Das, Aneesha; Chakrabarti, Saikat; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1864 Issue: 7 Pages: 1227-1235 Published: JUL 2017

7,207. Constrained Photophysics of 5,7-dimethoxy-2,3,4,9-tetrahydro-1H-carbazol-1-one in the Bioenvironment of Serum Albumins: A Spectroscopic Endeavour Supported by Molecular Docking Analysis

By: Mitra, Amrit Krishna; Sau, Abhishek; Pal, Uttam; et al.

JOURNAL OF FLUORESCENCE Volume: 27 Issue: 4 Pages: 1547-1558 Published: JUL 2017

7,208. Salt-bridge networks within globular and disordered proteins: characterizing trends for designable interactions

By: Basu, Sankar; Mukharjee, Debasish

JOURNAL OF MOLECULAR MODELING Volume: 23 Issue: 7 Article Number: 206 Published: JUL 2017

7,209. Simulation study of energy resolution, position resolution and  $\pi^0$ - $\gamma$  separation of a sampling electromagnetic calorimeter at high energies

By: Roy, A.; Jain, S.; Banerjee, S.; et al.

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P07013 Published: JUL 2017

7,210. First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 603 Article Number: A25 Published: JUL 2017

7,211. Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; VERITAS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 603 Article Number: A31 Published: JUL 2017

7,212. Multiwavelength observations of a VHE gamma-ray flare from PKS 1510-089 in 2015

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; Fermi-LAT Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 603 Article Number: A29 Published: JUL 2017

7,213. Interaction of imidazolium-based ionic liquids with soft supported lipid membrane

By: Bhattacharya, G.; Giri, R. P.; Saxena, H.; et al.

EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Volume: 46 Supplement: 1 Pages: S361-S361 Meeting Abstract: P-941 (O-1 Published: JUL 2017

7,214. Interaction of imidazolium-based ionic liquids with soft supported lipid membrane

By: Bhattacharya, G.; Giri, R. P.; Saxena, H.; et al.

EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Volume: 46 Supplement: 1 Pages: S105-S105 Meeting Abstract: O-181 (P-9 Published: JUL 2017

7,215. Search for  $t\bar{t}$  resonances in highly boosted lepton plus jets and fully hadronic final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 001 Published: JUL 3 2017

7,216. Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 003 Published: JUL 3 2017

7,217. Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at  $\sqrt{S}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 014 Published: JUL 5 2017

7,218. Search for new physics with dijet angular distributions in proton-proton collisions at  $\sqrt{S} = 13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 013 Published: JUL 5 2017

7,219. Oscillating shells and oscillating balls in AdS

By: Banerjee, Avik; Kundu, Arnab; Roy, Pratik; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 026 Published: JUL 6 2017

7,220. Emerging photoluminescence from bilayer large-area 2D MoS<sub>2</sub> films grown by pulsed laser deposition on different substrates

By: Barvat, Arun; Prakash, Nisha; Satpati, Biswarup; et al.

JOURNAL OF APPLIED PHYSICS Volume: 122 Issue: 1 Article Number: 015304 Published: JUL 7 2017

7,221. Prominent metallic surface conduction and the singular magnetic response of topological Dirac fermion in three-dimensional topological insulator Bi<sub>1.5</sub>Sb<sub>0.5</sub>Te<sub>1.7</sub>Se<sub>1.3</sub>

By: Dutta, Prithwish; Pariari, Arnab; Mandal, Prabhat

SCIENTIFIC REPORTS Volume: 7 Article Number: 4883 Published: JUL 7 2017

7,222. Measurement of the mass difference between top quark and antiquark in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 50-71 Published: JUL 10 2017

7,223. Production of  $\Lambda_b^+(c)$  hypernuclei in antiproton-nucleus collisions

By: Shyam, R.; Tsushima, K.

PHYSICS LETTERS B Volume: 770 Pages: 236-241 Published: JUL 10 2017



7,224. Search for heavy gauge  $W^\pm$  bosons in events with an energetic lepton and large missing transverse momentum at  $\sqrt{s}=13\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 278-301 Published: JUL 10 2017

7,225. Suppression of  $\gamma(1S)$ ,  $\gamma(2S)$ , and  $\gamma(3S)$  quarkonium states in PbPb collisions at  $\sqrt{s_{NN}}=2.76\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 357-379 Published: JUL 10 2017

7,226. Measurement of the cross section for electroweak production of  $Z\gamma$  in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 380-402 Published: JUL 10 2017

7,227. Production of muons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{NN}}=5.02\text{TeV}$

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 459-472 Published: JUL 10 2017

7,228. NLO predictions for the production of a spin-two particle at the LHC

By: Das, Goutam; Degrande, Celine; Hirschi, Valentin; et al.

PHYSICS LETTERS B Volume: 770 Pages: 507-513 Published: JUL 10 2017

7,229. Measurement of double-differential cross sections for top quark pair production in pp collisions at  $\sqrt{s}=8\text{TeV}$  and impact on parton distribution functions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number: 459 Published: JUL 11 2017

7,230. Measurement of electrons from beauty-hadron decays in p-Pb collisions at  $\sqrt{s_{NN}}=5.02\text{TeV}$  and Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76\text{TeV}$

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 052 Published: JUL 11 2017

7,231. Anisotropic SD2 brane: accelerating cosmology and Kasner-like space-time from compactification

By: Nayek, Kuntal; Roy, Shibaji

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number: 462 Published: JUL 12 2017

7,232. Field dynamics on the trapping horizon in Vaidya spacetime

By: Majhi, Abhishek

PHYSICAL REVIEW D Volume: 96 Issue: 2 Article Number: 024013 Published: JUL 12 2017

7,233. Measurement of the jet mass in highly boosted  $t(\bar{t})$  events from pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number: 467 Published: JUL 14 2017

7,234. Enhancement of magnetocaloric effect in V doped intermetallic compounds  $\text{Nd}(\text{Co}_{1-x}\text{V}_x)_2\text{Si}_2$  ( $x=0, 0.20$  and  $0.35$ )

By: Chowdhury, R. Roy; Dhara, S.; Bandyopadhyay, B.

PHYSICA B-CONDENSED MATTER Volume: 517 Pages: 6-9 Published: JUL 15 2017

7,235. Tumor susceptibility gene 101 regulates predisposition to apoptosis via ESCRT machinery accessory proteins

By: Kaul, Zenia; Chakrabarti, Oishee

MOLECULAR BIOLOGY OF THE CELL Volume: 28 Issue: 15 Pages: 2106-2122 Published: JUL 15 2017

7,236. Structural Transformation in Inverse-Perovskite  $\text{REPt}_3\text{B}$  ( $\text{RE} = \text{Sm}$  and  $\text{Gd-Tm}$ ) Associated with Large Volume Reduction

By: Mondal, Sudipta; Mazumdar, Chandan; Ranganathan, Rajarao; et al.

INORGANIC CHEMISTRY Volume: 56 Issue: 14 Pages: 8446-8453 Published: JUL 17 2017

7,237. Measurement of inclusive jet cross sections in pp and PbPb collisions at  $\sqrt{s(\text{NN})}=2.76\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 1 Article Number: 015202 Published: JUL 17 2017

7,238. Long-term Study of the Light Curve of PKS 1510-089 in GeV Energies

By: Prince, Raj; Majumdar, Pratik; Gupta, Nayantara

ASTROPHYSICAL JOURNAL Volume: 844 Issue: 1 Article Number: 62 Published: JUL 20 2017

7,239. Experimental and numerical simulation of a TPC like set up for the measurement of ion backflow

By: Bhattacharya, Deb Sankar; Bhattacharya, Purba; Rout, Prasant Kumar; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 861 Pages: 64-70 Published: JUL 21 2017

7,240. Fermi surface topology and signature of surface Dirac nodes in LaBi

By: Singha, Ratnadwip; Satpati, Biswarup; Mandal, Prabhat  
SCIENTIFIC REPORTS Volume: 7 Article Number: 6321 Published: JUL 24 2017

7,241. Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 1 Article Number: 012004 Published: JUL 25 2017

7,242. Li-7-induced reaction on Mo-nat: A study of complete versus incomplete fusion

By: Kumar, Deepak; Maiti, Moumita; Lahiri, Susanta

PHYSICAL REVIEW C Volume: 96 Issue: 1 Article Number: 014617 Published: JUL 26 2017

7,243. Engineered isopeptide bond stabilized fibrin inspired nanoscale peptide based sealants for efficient blood clotting

By: Ghosh, Snehasish; Mukherjee, Sanchita; Dutta, Chiranjit; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 6509 Published: JUL 26 2017

7,244. Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 121 Published: JUL 26 2017

7,245. Doping a dipole into an incipient ferroelectric: Route to relaxor ferroelectrics

By: Chaudhary, N. Vijay Prakash; Sarkar, Sagar; Sharma, Neetika; et al.

PHYSICAL REVIEW B Volume: 96 Issue: 2 Article Number: 024107 Published: JUL 26 2017

7,246. Mass modification of hot pions in a magnetized dense medium

By: Mukherjee, Arghya; Ghosh, Snigdha; Mandal, Mahatsab; et al.

PHYSICAL REVIEW D Volume: 96 Issue: 1 Article Number: 016024 Published: JUL 27 2017

7,247. Atom beam sputtered Ag-TiO<sub>2</sub> plasmonic nanocomposite thin films for photocatalytic applications

By: Singh, Jaspal; Sahu, Kavita; Pandey, A.; et al.

APPLIED SURFACE SCIENCE Volume: 411 Pages: 347-354 Published: JUL 31 2017

7,248. Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 1 Article Number: 014915 Published: JUL 31 2017

7,249. Interaction of a common painkiller piroxicam and copper-piroxicam with chromatin causes structural alterations accompanied by modulation at the epigenomic/genomic level

By: Goswami, Sathi; Sanyal, Sulagna; Chakraborty, Payal; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1861 Issue: 8 Pages: 2048-2059  
Published: AUG 2017

7,250. Two-Neutron Alignment in Xe-127

By: Chakraborty, S.; Sharma, H. P.; Tiwary, S. S.; et al.

BRAZILIAN JOURNAL OF PHYSICS Volume: 47 Issue: 4 Pages: 406-410 Published: AUG 2017

7,251. Substrate induced molecular conformations in rubrene thin films: A thickness dependent study

By: Sinha, Sumona; Wang, C. -H.; Mukherjee, T.; et al.

SYNTHETIC METALS Volume: 230 Pages: 51-57 Published: AUG 2017

7,252. Active hydrodynamics of synchronization and ordering in moving oscillators

By: Banerjee, Tirthankar; Basu, Abhik

PHYSICAL REVIEW E Volume: 96 Issue: 2 Article Number: 022201 Published: AUG 1 2017

7,253. On  $1/4$  BPS  $((F, D1), (I\backslash 155, D5))$  bound states of type IIB string theory

By: Jia, Qiang; Lu, J. X.; Roy, Shibaji

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 007 Published: AUG 1 2017

7,254. Melting of polymeric DNA double helix at elevated temperature: a molecular dynamics approach

By: Kundu, Sangeeta; Mukherjee, Sanchita; Bhattacharyya, Dhananjay

JOURNAL OF MOLECULAR MODELING Volume: 23 Issue: 8 Article Number: 226 Published: AUG 2017

7,255. Super Rogers-Szego polynomials associated with BCN type of Polychronakos spin chains

By: Basu-Mallick, B.; Datta, C.

NUCLEAR PHYSICS B Volume: 921 Pages: 59-85 Published: AUG 2017

7,256. Limits on brane-world and particle dark radiation from big bang nucleosynthesis and the CMB

By: Sasankan, N.; Gangopadhyay, Mayukh R.; Mathews, G. J.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 26 Issue: 8 Special Issue: SI Article Number: 1741007 Published: AUG 2017

7,257. Analysis of temperature dependent current-voltage and capacitance-voltage characteristics of an Au/V<sub>2</sub>O<sub>5</sub>/n-Si Schottky diode

By: Mahato, Somnath; Biswas, Debaleen; Gerling, Luis G.; et al.

AIP ADVANCES Volume: 7 Issue: 8 Article Number: 085313 Published: AUG 2017

7,258. Anomalous magnetoresistive behavior in Ni<sub>44</sub>Co<sub>2</sub>Mn<sub>43</sub>In<sub>11</sub> alloy

By: Ray, Mayukh K.; Maji, Bibekananda; Obaidat, Ihab; et al.

AIP ADVANCES Volume: 7 Issue: 8 Article Number: 085005 Published: AUG 2017

7,259. Chaotic magnetic field lines and spontaneous development of current sheets

By: Kumar, Sanjay; Bhattacharyya, R.; Dasgupta, B.; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 8 Article Number: 082902 Published: AUG 2017

7,260.A localized cathode glow in the presence of a bar magnet and its associated nonlinear dynamics

By: Shaw, Pankaj Kumar; Samanta, Subha; Saha, Debajyoti; et al.

PHYSICS OF PLASMAS Volume: 24 Issue: 8 Article Number: 082105 Published: AUG 2017

7,261.Magnetic frustration induced large magnetocaloric effect in the absence of long range magnetic order

By: Pakhira, Santanu; Mazumdar, Chandan; Ranganathan, R.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 7367 Published: AUG 4 2017

7,262.Quark mixing in an S-3 symmetric model with two Higgs doublets

By: Das, Dipankar; Dey, Ujjal Kumar; Pal, Palash B.

PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 031701 Published: AUG 7 2017

7,263.Searches for  $W^+$  bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Pages: 1-42 Article Number: 029 Published: AUG 8 2017

7,264.search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jet (vol 12, 083, 2016)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 035 Published: AUG 9 2017

7,265.Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 80-105 Published: AUG 10 2017

7,266.Measurement of the production of high-p(T) electrons from heavy-flavour hadron decays in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 467-481 Published: AUG 10 2017

7,267.Measurement of the differential inclusive  $B^+$  hadron cross sections in pp collisions at  $\sqrt{s}=13$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 435-456 Published: AUG 10 2017

7,268.Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 046 Published: AUG 11 2017

7,269.Large polaron tunneling, magnetic and impedance analysis of magnesium ferrite nanocrystallite

By: Mahato, Dev K.; Majumder, Sumit; Banerjee, S.

APPLIED SURFACE SCIENCE Volume: 413 Pages: 149-159 Published: AUG 15 2017

7,270.Magnetocaloric effect study of ferromagnetic-charge ordered core-shell type manganite nanostructures

By: Das, Kalipada; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 436 Pages: 97-100 Published: AUG 15 2017

7,271.Survival probability in a quenched Majorana chain with an impurity

By: Rajak, Atanu; Nag, Tanay

PHYSICAL REVIEW E Volume: 96 Issue: 2 Article Number: 022136 Published: AUG 15 2017

7,272.Measurement of D-meson production at mid-rapidity in pp collisions at  $\sqrt{s}=7$  TeV

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number: 550 Published: AUG 17 2017

7,273.Search for top quark partners with charge  $5/3$  in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 073 Published: AUG 18 2017

7,274.Measurement of the top quark mass in the dileptonic  $t(\bar{t})$  decay channel using the mass observables  $M_{bl}$ ,  $M_{T2}$ , and  $M_{blv}$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 032002 Published: AUG 22 2017

7,275.Interdependence of different symmetry energy elements

By: Mondal, C.; Agrawal, B. K.; De, J. N.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 2 Article Number: 021302 Published: AUG 22 2017

7,276.Determination of the  $Mg-36(n,\gamma)Mg-37$  reaction rate from Coulomb dissociation of  $Mg-37$

By: Shubhchintak; Chatterjee, R.; Shyam, R.

PHYSICAL REVIEW C Volume: 96 Issue: 2 Article Number: 025804 Published: AUG 23 2017

7,277. Study of Jet Quenching with Z plus jet Correlations in Pb-Pb and pp Collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 8 Article Number: 082301 Published: AUG 23 2017

7,278. Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at  $\sqrt{s}=7$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number: 569 Published: AUG 24 2017

7,279. Protein-Protein Interaction Probed by Label-free Second Harmonic Light Scattering: Hemoglobin Adsorption on Spectrin Surface as a Case Study

By: Mishra, Kamini; Chakrabarti, Abhijit; Das, Puspendu K.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 121 Issue: 33 Pages: 7797-7802 Published: AUG 24 2017

7,280. Alteration of magnetic behavior and microstructural distortion of  $\text{EuMnO}_3$  by partial substitution of Eu with monovalent Na

By: Nandy, Anshuman; Kar, Tanusree; Bhattacharyya, Satya Ranjan; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 715 Pages: 214-223 Published: AUG 25 2017

7,281. India-based Neutrino Observatory

By: Datar, Vivek M.; Mondal, Naba K.

CURRENT SCIENCE Volume: 113 Issue: 4 Pages: 701-706 Published: AUG 25 2017

7,282. Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 032003 Published: AUG 25 2017

7,283. Many-body mobility edges in a one-dimensional system of interacting fermions

By: Nag, Sabyasachi; Garg, Arti

PHYSICAL REVIEW B Volume: 96 Issue: 6 Article Number: 060203 Published: AUG 28 2017

7,284. A new route to enhance the ferromagnetic transition temperature in diluted magnetic semiconductors

By: Pradhan, Kalpataru; Das, Subrat K.

SCIENTIFIC REPORTS Volume: 7 Article Number: 9603 Published: AUG 29 2017

7,285. Evolution of phonon anharmonicity in Se-doped  $\text{Sb}_2\text{Te}_3$  thermoelectrics

By: Das, Diptasikha; Das, Subarna; Singha, P.; et al.

PHYSICAL REVIEW B Volume: 96 Issue: 6 Article Number: 064116 Published: AUG 29 2017

7,286.Evidence of antimagnetic rotation in an odd-odd nucleus: The case of Eu-142

By: Ali, Sajad; Rajbanshi, S.; Das, B.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 2 Article Number: 021304 Published: AUG 30 2017

7,287.Improving fine-tuning in composite Higgs models

By: Banerjee, Avik; Bhattacharyya, Gautam; Ray, Tirtha Sankar

PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 035040 Published: AUG 31 2017

7,288.Influence of dielectric substrate modification and deposition temperature on structure and morphology of CuPc thin films: X-ray reflectivity and angle dependent NEXAFS study

By: Sinha, Sumona; Wang, C. -H.; Mukherjee, M.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 93 Pages: 39-45 Published: SEP 2017

7,289.Fluence dependent oscillatory amorphization and recrystallization in ion irradiation

By: Banu, Nasrin; Satpati, B.; Dev, B. N.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 406 Pages: 689-696 Part: B Published: SEP 1 2017

7,290.Separation of no-carrier-added astatine radionuclides from alpha-particle irradiated lead bismuth eutectic target: A classical method

By: Maiti, Moumita; Lahiri, Susanta; Kumar, Deepak; et al.

APPLIED RADIATION AND ISOTOPES Volume: 127 Pages: 227-230 Published: SEP 2017

7,291.Substrate Specificity in the Context of Molecular Chaperones

By: Bose, Dipayan; Chakrabarti, Abhijit

IUBMB LIFE Volume: 69 Issue: 9 Pages: 647-659 Published: SEP 2017

7,292.Oxygen ion implantation induced structural modifications and electrical conductivity in glass RPC detector materials: A positron lifetime study

By: Kumar, K. V. Aneesh; Krishnaveni, S.; Nambissan, P. M. G.; et al.

JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 471 Pages: 151-159 Published: SEP 1 2017

7,293.Production of Pd radionuclides from natural niobium and their purification simulating Nb-nat(B-11,xn)Pd-100,Pd-101 reaction: an indirect production route of Rh-101m

By: Kumar, Deepak; Maiti, Moumita; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 313 Issue: 3 Pages: 655-660 Published: SEP 2017

7,294.Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration



ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES Volume: 232 Issue: 1 Article Number: 9  
Published: SEP 2017

7,295.Unique and Novel Urinary Metabolomic Features in Malignant versus Benign Adrenal Neoplasms

By: Patel, Dhaval; Thompson, Matthew D.; Manna, Soumen K.; et al.

CLINICAL CANCER RESEARCH Volume: 23 Issue: 17 Pages: 5302-5310 Published: SEP 1 2017

7,296.Ground-state configuration of neutron-rich Al-35 via Coulomb breakup

By: Chakraborty, S.; Datta, Ushasi; Aumann, T.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 034301 Published: SEP 1 2017

7,297.Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 578 Published: SEP 1 2017

7,298.Separation of Hg-195(m,Hg-g),Hg-197m from bulk gold target by liquid-liquid extraction using hydrophobic ionic liquids

By: Ghosh, Kaustab; Maiti, Moumita; Lahiri, Susanta

RADIOCHIMICA ACTA Volume: 105 Issue: 9 Pages: 747-753 Published: SEP 2017

7,299.Zero range and finite range processes with asymmetric rate functions

By: Chatterjee, Amit Kumar; Mohanty, P. K.

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: 093201

Published: SEP 2017

7,300.Measurement of cosmic muon angular distribution and vertical integrated flux by 2 m x 2 m RPC stack at IICHEP-Madurai

By: Pethuraj, S.; Datar, V. M.; Majumder, G.; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 9 Article Number: 021 Published: SEP 2017

7,301.Neutron Stars: Laboratories for Fundamental Physics Under Extreme Astrophysical Conditions

By: Bandyopadhyay, Debades

JOURNAL OF ASTROPHYSICS AND ASTRONOMY Volume: 38 Issue: 3 Article Number: 37

Published: SEP 2017

7,302.Performance of the MAGIC telescopes under moonlight

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTROPARTICLE PHYSICS Volume: 94 Pages: 29-41 Published: SEP 2017

7,303.Trace analysis at the backdrop of women welfare : Assessment of heavy metals in vermilion

By: Banerjee, Kakoli; Naskar, Nabanita; Choudhury, Dibyasree; et al.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 94 Issue: 9 Pages: 1017-1022 Published: SEP 2017

7,304. Miltefosine Resistant Field Isolate From Indian Kala-Azar Patient Shows Similar Phenotype in Experimental Infection

By: Khanra, Supriya; Sarraf, Nibedeeta R.; Das, Anjan K.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 10330 Published: SEP 4 2017

7,305. Nuclear symmetry energy with mesonic cross-couplings in the effective chiral model

By: Malik, Tuhin; Banerjee, Kinjal; Jha, T. K.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 035803 Published: SEP 6 2017

7,306. Production of  $\pi(0)$  and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV (vol 77, 339, 2017)

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 586 Published: SEP 6 2017

7,307. Study of long-range orders of hard-core bosons coupled to cooperative normal modes in two-dimensional lattices

By: Ghosh, A.; Yarlagadda, S.

PHYSICAL REVIEW B Volume: 96 Issue: 12 Article Number: 125108 Published: SEP 6 2017

7,308. Hydrotrope induced structural modifications in CTAB/butanol/water/isooctane reverse micellar systems

By: Sethi, Vaishali; Mishra, Jayanti; Bhattacharyya, Arpan; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 19 Issue: 33 Pages: 22033-22048 Published: SEP 7 2017

7,309. Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 034904 Published: SEP 8 2017

7,310. Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 10 Article Number: 102301 Published: SEP 8 2017

7,311. Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 032 Published: SEP 8 2017

7,312. Effect of compound nuclear reaction mechanism in C-12(Li-6,d) reaction at sub-Coulomb energy  
By: Mondal, Ashok; Adhikari, S.; Basu, C.  
PHYSICS LETTERS B Volume: 772 Pages: 216-218 Published: SEP 10 2017

7,313. Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 306-329 Published: SEP 10 2017

7,314. Search for standard model production of four top quarks in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 336-358 Published: SEP 10 2017

7,315. Search for high-mass Z gamma resonances in proton-proton collisions at  $\sqrt{s}=8$  and 13 TeV using jet substructure techniques  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 363-387 Published: SEP 10 2017

7,316. Coherent J/psi photoproduction in ultra-peripheral PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV with the CMS experiment  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 489-511 Published: SEP 10 2017

7,317. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 567-577 Published: SEP 10 2017

7,318. Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 772 Pages: 634-656 Published: SEP 10 2017

7,319. Cross section measurement of t-channel single top quark production in pp collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 752-776 Published: SEP 10 2017

7,320. Conformal quantum mechanics and holography in noncommutative space-time

By: Gupta, Kumar S.; Harikumar, E.; Zuhair, N. S.

PHYSICS LETTERS B Volume: 772 Pages: 808-813 Published: SEP 10 2017

7,321. Depletion of Cr(VI) from aqueous solution by heat dried biomass of a newly isolated fungus *Arthrimum malaysianum*: A mechanistic approach

By: Majumder, Rajib; Sheikh, Lubna; Naskar, Animesh; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 11254 Published: SEP 12 2017

7,322. Anti-SSTR2 peptide based targeted delivery of potent PLGA encapsulated 3,3'-diindolylmethane nanoparticles through blood brain barrier prevents glioma progression

By: Bhowmik, Arijit; Chakravarti, Sayak; Ghosh, Aparajita; et al.

ONCOTARGET Volume: 8 Issue: 39 Pages: 65339-65358 Published: SEP 12 2017

7,323. Search for a heavy resonance decaying to a top quark and a vector-like top quark at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 053 Published: SEP 13 2017

7,324. Measurement of the  $t\bar{t}$  production cross section using events with one lepton and at least one jet in pp collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 051 Published: SEP 13 2017

7,325. Painkiller Isoxicam and Its Copper Complex Can Form Inclusion Complexes with Different Cyclodextrins: A Fluorescence, Fourier Transform Infrared Spectroscopy, and Nuclear Magnetic Resonance Study

By: Goswami, Sathi; Majumdar, Anupa; Sarkar, Munna

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 121 Issue: 36 Pages: 8454-8466 Published: SEP 14 2017

7,326. Effect of pressure on normal and superconducting state properties of iron based superconductor  $\text{PrFeAsO}_{0.6}\text{F}_y$  ( $y=0.12, 0.14$ )

By: Arumugam, S.; Ganguli, C.; Thiyagarajan, R.; et al.

SCIENTIFIC REPORTS Volume: 7 Article Number: 11731 Published: SEP 15 2017

7,327. Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 11 Article Number: 111802 Published: SEP 15 2017

7,328.Quasistatic remanence in Dzyaloshinskii-Moriya interaction driven weak ferromagnets and piezomagnets

By: Pattanayak, Namrata; Bhattacharyya, Arpan; Nigam, A. K.; et al.

PHYSICAL REVIEW B Volume: 96 Issue: 10 Article Number: 104422 Published: SEP 18 2017

7,329.A Non-Perilous Coumarin-Based Ratiometric Probe for 'In Vitro' Detection of Cu through Cell Imaging Technique

By: Kumari, Chanda; Sain, Dibyendu; Kumar, Ashish; et al.

CHEMISTRYSELECT Volume: 2 Issue: 27 Pages: 8270-8277 Published: SEP 21 2017

7,330.Heavy quark state production in Pb-Pb collisions at root s(pp)=5.02 TeV

By: Kisslinger, Leonard S.; Das, Debasish

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 105 Published: SEP 22 2017

7,331.Search for new phenomena with multiple charged leptons in proton-proton collisions at root s=13TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 635 Published: SEP 22 2017

7,332.Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at root s=13TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 636 Published: SEP 22 2017

7,333.Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at root s = 13 TeV (vol 3, 061, 2017)

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 106 Published: SEP 22 2017

7,334.Exploiting Le Chatelier's principle for a one-pot synthesis of nontoxic HHogGNPs with the sharpest nanoscopic features suitable for tunable plasmon spectroscopy and high throughput SERS sensing

By: Bhattacharya, M.; Mazov, V.; Satpati, B.; et al.

CHEMICAL COMMUNICATIONS Volume: 53 Issue: 75 Pages: 10402-10405 Published: SEP 25 2017

7,335.Relative mass distributions of neutron-rich thermally fissile nuclei within a statistical model

By: Kumar, Bharat; Kannan, M. T. Senthil; Balasubramaniam, M.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 034623 Published: SEP 29 2017

7,336. Rubrene on differently treated SiO<sub>2</sub>/Si substrates: A comparative study by atomic force microscopy, X-ray absorption and photoemission spectroscopies techniques

By: Sinha, Sumona; Wang, C. -H.; Mukherjee, M.

THIN SOLID FILMS Volume: 638 Pages: 167-172 Published: SEP 30 2017

7,337. Large magnetoresistance and spin glass behavior of nanocrystalline La<sub>0.48</sub>Ca<sub>0.52</sub>MnO<sub>3</sub> compound at low temperature

By: Das, Kalipada; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 439 Pages: 328-332 Published: OCT 1 2017

7,338. Observation of the black widow B1957+20 millisecond pulsar binary system with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 470 Issue: 4 Pages: 4608-4617 Published: OCT 2017

7,339. MAGIC observations of the microquasar V404 Cygni during the 2015 outburst

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): Magic Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 471 Issue: 2 Pages: 1688-1693 Published: OCT 2017

7,340. New parameterization of the effective field theory motivated relativistic mean field model

By: Kumar, Bharat; Singh, S. K.; Agrawal, B. K.; et al.

NUCLEAR PHYSICS A Volume: 966 Pages: 197-207 Published: OCT 2017

7,341. Study of Ag induced bimetallic (Au-Ag) nanowires on silicon (5512) surfaces: Experiment and, theoretical aspects

By: Bhukta, Anjan; Bagarti, Trilochan; Guha, Puspendu; et al.

SURFACE SCIENCE Volume: 664 Pages: 29-37 Published: OCT 2017

7,342. Stabilization of polar Mn<sub>3</sub>O<sub>4</sub>(001) film on Ag(001): Interplay between kinetic and structural stability

By: Kundu, Asish K.; Barman, Sukanta; Menon, Krishnakumar S. R.

SURFACE SCIENCE Volume: 664 Pages: 207-215 Published: OCT 2017

7,343. A review on multiple sequence alignment from the perspective of genetic algorithm

By: Chowdhury, Biswanath; Garai, Gautam

GENOMICS Volume: 109 Issue: 5-6 Pages: 419-431 Published: OCT 2017

7,344. Intrinsic structural variability in GNRA-like tetraloops: insight from molecular dynamics simulation

By: Mukherjee, Debasish; Bhattacharyya, Dhananjay

JOURNAL OF MOLECULAR MODELING Volume: 23 Issue: 10 Article Number: 300 Published: OCT 2017

7,345. Production, separation and embedment of no-carrier added Mo-93m in iron-doped calcium alginate beads from Li-7 irradiated yttrium target

By: Sen, Kamalika; Sarkar, Kangkana; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 314 Issue: 1 Pages: 451-456 Published: OCT 2017

7,346. Measurement of naturally occurring radioactive materials, U-238 and Th-232-part 3: is efficiency calibration necessary for quantitative measurement of ultra-low level NORM?

By: Naskar, Nabanita; Lahiri, Susanta; Chaudhuri, Punarbasu; et al.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 314 Issue: 1 Pages: 507-511 Published: OCT 2017

7,347. Determination of Silica Content and Its Dispersion in NR-PBR-RR Ternary Blends/SiO<sub>2</sub> Nanocomposites by Digital Image Analysis of SEM Images

By: De, Debapriya; Kundu, Soumik; Jana, Premananda; et al.

POLYMER COMPOSITES Volume: 38 Issue: 10 Pages: 2080-2089 Published: OCT 2017

7,348. Hierarchy problem and BSM physics

By: Bhattacharyya, Gautam

PRAMANA-JOURNAL OF PHYSICS Volume: 89 Issue: 4 Article Number: 53 Published: OCT 2017

7,349. Exploring a hidden fermionic dark sector

By: Majumdar, Debasish; Banik, Amit Dutta; Biswas, Anirban

PRAMANA-JOURNAL OF PHYSICS Volume: 89 Issue: 4 Article Number: 67 Published: OCT 2017

7,350. Involution symmetries and the PMNS matrix

By: Pal, Palash B.; Byakti, Pritibhajan

PRAMANA-JOURNAL OF PHYSICS Volume: 89 Issue: 4 Article Number: 63 Published: OCT 2017

7,351. Study of Mg-26 through 1p pick-up reaction Al-27(d,He-3)

By: Srivastava, Vishal; Bhattacharya, C.; Rana, T. K.; et al.

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS Volume: 26 Issue: 10 Article Number: 1750064 Published: OCT 2017

7,352. Particle-flow reconstruction and global event description with the CMS detector

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P10003 Published: OCT 2017

7,353. Effect of electron inertia on dispersive properties of Alfvén waves in cold plasmas  
By: Jana, Sayanee; Ghosh, Samiran; Chakrabarti, Nikhil  
PHYSICS OF PLASMAS Volume: 24 Issue: 10 Article Number: 102307 Published: OCT 2017

7,354. Measurement of the semileptonic  $t(\bar{t}) + \gamma$  production cross section in pp collisions at  $\sqrt{s}=8$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 006 Published: OCT 2 2017

7,355. Search for direct production of super symmetric partners of the top quark in the all-jets final state in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 005 Published: OCT 2 2017

7,356. Two component WIMP-FIMP dark matter model with singlet fermion, scalar and pseudo scalar  
By: Banik, Amit Dutta; Pandey, Madhurima; Majumdar, Debasish; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number: 657 Published: OCT 3 2017

7,357. Search for top squark pair production in pp collisions at  $\sqrt{s}=13$  TeV using single lepton events  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 019 Published: OCT 3 2017

7,358. Annealing Induced Morphology of Silver Nanoparticles on Pyramidal Silicon Surface and Their Application to Surface-Enhanced Raman Scattering  
By: Roy, Abhijit; Maiti, Arpan; Chini, Tapas Kumar; et al.  
ACS APPLIED MATERIALS & INTERFACES Volume: 9 Issue: 39 Pages: 34405-34415 Published: OCT 4 2017

7,359. Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV at the LHC  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number: 658 Published: OCT 4 2017

7,360. Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration; Ferri, F; Berger, J; et al.  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 14 Article Number: 141802 Published: OCT 4 2017



- 7,361. Effective removal of metal ions from aqueous solution by mesoporous MnO<sub>2</sub> and TiO<sub>2</sub> monoliths: Kinetic and equilibrium modelling  
By: Sharma, Manisha; Choudhury, Diptiman; Hazra, Satyajit; et al.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 720 Pages: 221-229 Published: OCT 5 2017
- 7,362. Microstructure characterization of hydrothermally synthesized PANI/V<sub>2</sub>O<sub>5</sub> center dot nH<sub>2</sub>O heterojunction photocatalyst for visible light induced photodegradation of organic pollutants and non-absorbing colorless molecules  
By: Kundu, Samapti; Satpati, Biswarup; Kar, Tanusree; et al.  
JOURNAL OF HAZARDOUS MATERIALS Volume: 339 Pages: 161-173 Published: OCT 5 2017
- 7,363. Tuning the Band Gap in Titanium Dioxide Thin Films by Surfactant-Mediated Confinement and Patterning of Gold Nanoparticles  
By: Mukherjee, Smita; Das, Pradip Sekhar; Choudhuri, Madhumita; et al.  
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 39 Pages: 21311-21323 Published: OCT 5 2017
- 7,364. Study of the antibacterial and catalytic activity of silver colloids synthesized using the fruit of Sapindus mukorossi  
By: Dinda, Gargi; Halder, Dipankar; Mitra, Atanu; et al.  
NEW JOURNAL OF CHEMISTRY Volume: 41 Issue: 19 Pages: 10703-10711 Published: OCT 7 2017
- 7,365. High yield synthesis of branched gold nanoparticles as excellent catalysts for the reduction of nitroarenes  
By: Reddy, Kalvakunta Paul; Jaiswal, Kanishk; Satpati, Biwarup; et al.  
NEW JOURNAL OF CHEMISTRY Volume: 41 Issue: 19 Pages: 11250-11257 Published: OCT 7 2017
- 7,366. Multichain models of conserved lattice gas  
By: Chatterjee, Arijit; Mohanty, P. K.  
PHYSICAL REVIEW E Volume: 96 Issue: 4 Article Number: 042120 Published: OCT 9 2017
- 7,367. Linear and non-linear flow mode in Pb-Pb collisions at root s<sub>NN</sub>=2.76 TeV  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 773 Pages: 68-80 Published: OCT 10 2017
- 7,368. Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at root s=8 TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 773 Pages: 563-584 Published: OCT 10 2017
- 7,369. Preequilibrium neutron emission from O + Al at 7.5 MeV/nucleon and 8.8 MeV/nucleon  
By: Paul, Sabyasachi; Sunil, C.; Pal, Sanjoy; et al.  
PHYSICAL REVIEW C Volume: 96 Issue: 4 Article Number: 044607 Published: OCT 10 2017

7,370. Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 076 Published: OCT 11 2017

7,371. Search for new physics in the monophoton final state in proton-proton collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 073 Published: OCT 11 2017

7,372. Measurements of the  $pp \rightarrow W \gamma \gamma$  and  $pp \rightarrow Z \gamma \gamma$  cross sections and limits on anomalous quartic gauge couplings at root  $s=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 072 Published: OCT 11 2017

7,373. Measurement of the  $B^{+/-}$  Meson Nuclear Modification Factor in Pb-Pb Collisions at root  $s(NN)=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 15 Article Number: 152301 Published: OCT 13 2017

7,374. Search for Supersymmetry in pp Collisions at root  $s=13$  TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 15 Article Number: 151802 Published: OCT 13 2017

7,375. Kinetic and isotherm studies on adsorption of toxic pollutants using porous ZnO@SiO<sub>2</sub> monolith

By: Sharma, Manisha; Hazra, Satyajit; Basu, Soumen

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 504 Pages: 669-679 Published: OCT 15 2017

7,376. Synthesis of p-n junctions in ZnO nanorods by O<sup>+</sup> ion implantation

By: Singh, Avanendra; Senapati, K.; Datta, D. P.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 409 Pages: 143-146 Published: OCT 15 2017

7,377. Fabrication of nanoscale topographies on Ge(100) surface by low energy Ar<sup>+</sup> ion sputtering

By: Chowdhury, Debasree; Ghose, Debabrata

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS Volume: 409 Pages: 197-201 Published: OCT 15 2017

7,378.Non-perturbatively gauge-fixed compact U(1) lattice gauge theory

By: De, Asit K.; Sarkar, Mugdha

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 125 Published: OCT 19 2017

7,379.Measurements of jet charge with dijet events in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 131 Published: OCT 19 2017

7,380.Unidirectional endotaxial cobalt di-silicide nanowires on Si(110) substrates

By: Mahato, J. C.; Das, Debolina; Banu, Nasrin; et al.

NANOTECHNOLOGY Volume: 28 Issue: 42 Article Number: 425603 Published: OCT 20 2017

7,381.Search for Higgs boson pair production in the bb tau state in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 7 Article Number: 072004 Published: OCT 20 2017

7,382.3D simulation of electron and ion transmission of GEM-based detectors

By: Bhattacharya, Purba; Mohanty, Bedangadas; Mukhopadhyay, Supratik; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 870 Pages: 64-72 Published: OCT 21 2017

7,383.Interfacial Charge Transfer between Zinc Oxide Nanoparticles and Methyl Viologen: Influence of Size

By: Mitra, Piyali; Barman, Monoj Kumar; Basu, Samita; et al.

CHEMISTRYSELECT Volume: 2 Issue: 30 Pages: 9869-9877 Published: OCT 23 2017

7,384.Constrains on Kahler moduli inflation from reheating

By: Bhattacharya, Sukannya; Dutta, Koushik; Maharana, Anshuman

PHYSICAL REVIEW D Volume: 96 Issue: 8 Article Number: 083522 Published: OCT 23 2017

7,385.An optimized approach for annotation of large eukaryotic genomic sequences using genetic algorithm

By: Chowdhury, Biswanath; Garai, Arnav; Garai, Gautam

BMC BIOINFORMATICS Volume: 18 Article Number: 460 Published: OCT 24 2017

7,386.Pine shaped InN nanostructure growth via vapour transport method by own shadowing and infrared detection

By: Dwivedi, Shyam Murli Manohar Dhar; Chakrabartty, Shubhro; Ghadi, Hemant; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 722 Pages: 872-877 Published: OCT 25 2017

7,387. Search for new phenomena with the M-T2 variable in the all-hadronic final state produced in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Johnson, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number: 710 Published: OCT 26 2017

7,388. Search for associated production of dark matter with a Higgs boson decaying to  $b(\bar{b})$  or  $\gamma\gamma$  at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 180 Published: OCT 26 2017

7,389. Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 7 Article Number: 072005 Published: OCT 27 2017

7,390. Ultrasound assisted adsorptive removal of hazardous dye Safranin O from aqueous solution using crosslinked graphene oxide-chitosan (GO-CH) composite and optimization by response surface methodology (RSM) approach

By: Debnath, Sushanta; Parashar, Kamyaa; Pillay, Kriveshini

CARBOHYDRATE POLYMERS Volume: 175 Pages: 509-517 Published: NOV 1 2017

7,391. Constraints on dark matter models from the observation of Triangulum-II with the Fermi Large Area Telescope

By: Biswas, Sayan; Bhattacharjee, Pooja; Majumdar, Pratik; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 11 Article Number: 003 Published: NOV 2017

7,392. Effect of single-residue bulges on RNA double-helical structures: crystallographic database analysis and molecular dynamics simulation studies

By: Ray, Angana; Agarwal, Ankita; Bhattacharyya, Dhananjay

JOURNAL OF MOLECULAR MODELING Volume: 23 Issue: 11 Article Number: 311 Published: NOV 2017

7,393. Separation of no-carrier-added Ru-97 from B-11-induced Y target by encapsulation of Ru-97 into calcium alginate hydrogel beads

By: Sarkar, Kangkana; Sen, Kamalika; Lahiri, Susanta

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 314 Issue: 2 Pages: 969-973 Published: NOV 2017

- 7,394. Study of uranium toxicity using low-background gamma-ray spectrometry  
By: Srivastava, A.; Chahar, V.; Sharma, V.; et al.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 314 Issue: 2 Pages: 1367-1373  
Published: NOV 2017
- 7,395. Tailored MoS<sub>2</sub> nanorods: a simple microwave assisted synthesis  
By: Reshmi, S.; Akshaya, M. V.; Satpati, Biswarup; et al.  
MATERIALS RESEARCH EXPRESS Volume: 4 Issue: 11 Article Number: 115012 Published: NOV 2017
- 7,396. Identification of a suitable promoter for the sigma factor of Mycobacterium tuberculosis  
By: Gupta, A. Mallick; Mukherjee, S.; Dutta, A.; et al.  
MOLECULAR BIOSYSTEMS Volume: 13 Issue: 11 Pages: 2370-2378 Published: NOV 1 2017
- 7,397. Investigation and quantification of Phase coherence index for different types of forcing in DC glow discharge plasma  
By: Saha, Debajyoti; Shaw, Pankaj Kumar; Ghosh, Sabuj; et al.  
CHAOS SOLITONS & FRACTALS Volume: 104 Pages: 173-181 Published: NOV 2017
- 7,398. Synthesis of heterogeneous Ag-Cu bimetallic monolith with different mass ratios and their performances for catalysis and antibacterial activity  
By: Sharma, Manisha; Hazra, Satyajit; Basu, Soumen  
ADVANCED POWDER TECHNOLOGY Volume: 28 Issue: 11 Pages: 3085-3094 Published: NOV 2017
- 7,399. DCM associated LMNA mutations cause distortions in lamina structure and assembly  
By: Bhattacharjee, Pritha; Dasgupta, Dipak; Sengupta, Kaushik  
BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1861 Issue: 11 Pages: 2598-2608  
Part: A Published: NOV 2017
- 7,400. Extraction of xylem fibers from Musa sapientum and characterization  
By: Das, Debabrata; Mukherjee, M.; Pal, A. K.; et al.  
FIBERS AND POLYMERS Volume: 18 Issue: 11 Pages: 2225-2234 Published: NOV 2017
- 7,401. Exploring the route to measure synchronization in non-linearly coupled Hamiltonian systems  
By: Gupta, Shraddha; De, Sadhitro; Janaki, M. S.; et al.  
CHAOS Volume: 27 Issue: 11 Article Number: 113103 Published: NOV 2017
- 7,402. Observation of geodesic acoustic mode in SINP-tokamak and its behaviour with varying edge safety factor  
By: Lachhvani, Lavkesh; Ghosh, Joydeep; Chattopadhyay, P. K.; et al.  
PHYSICS OF PLASMAS Volume: 24 Issue: 11 Article Number: 112501 Published: NOV 2017
- 7,403. Coxeter groups and the PMNS matrix  
By: Byakti, Pritibhajan; Pal, Palash B.

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 730 Published: NOV 2 2017

7,404. Identification of phase components in Zr-Ni and Hf-Ni intermetallic compounds; investigations by perturbed angular correlation spectroscopy and first principles calculations

By: Dey, S. K.; Dey, C. C.; Saha, S.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 723 Pages: 425-433 Published: NOV 5 2017

7,405. Giant reversible magnetocaloric effect in a multiferroic GdFeO<sub>3</sub> single crystal

By: Das, M.; Roy, S.; Mandal, P.

PHYSICAL REVIEW B Volume: 96 Issue: 17 Article Number: 174405 Published: NOV 6 2017

7,406. Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at root s=8 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 010 Published: NOV 6 2017

7,407. Acridone in a biological nanocavity: detailed spectroscopic and docking analyses of probing both the tryptophan residues of bovine serum albumin

By: Chakraborty, Brotati; Sengupta, Chaitrali; Pal, Uttam; et al.

NEW JOURNAL OF CHEMISTRY Volume: 41 Issue: 21 Pages: 12520-12534 Published: NOV 7 2017

7,408. Measurement of the triple-differential dijet cross section in proton-proton collisions at root s=8 TeV and constraints on parton distribution functions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 746 Published: NOV 7 2017

7,409. Effects of film thickness and magnetism on the electronic structure of MnO films

By: Kundu, Asish K.; Barman, Sukanta; Menon, Krishnakumar S. R.

PHYSICAL REVIEW B Volume: 96 Issue: 19 Article Number: 195116 Published: NOV 7 2017

7,410. Effective proton-neutron interaction near the drip line from unbound states in F-25, F-26

By: Vandebrouck, M.; Lepailleur, A.; Sorlin, O.; et al.

Group Author(s): R3B Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 5 Article Number: 054305 Published: NOV 8 2017

7,411. Measurements of the associated production of a Z boson and b jets in pp collisions at root s=8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 751 Published: NOV 8 2017

7,412. Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 029 Published: NOV 8 2017

7,413. Surfing Silicon Nanofacets for Cold Cathode Electron Emission Sites

By: Basu, Tanmoy; Kumar, Mohit; Saini, Mahesh; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 9 Issue: 44 Pages: 38931-38942 Published: NOV 8 2017

7,414. Twisted statistics and the structure of Lie-deformed Minkowski spaces

By: Meljanac, D.; Meljanac, S.; Pikutic, D.; et al.

PHYSICAL REVIEW D Volume: 96 Issue: 10 Article Number: 105008 Published: NOV 9 2017

7,415. Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 047 Published: NOV 9 2017

7,416. Measuring  $(KSK \pm)-K^0$  interactions using Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 774 Pages: 64-77 Published: NOV 10 2017

7,417. Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

PHYSICS LETTERS B Volume: 774 Pages: 279-307 Published: NOV 10 2017

7,418. Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at  $\sqrt{s}=8$  and 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 774 Pages: 533-558 Published: NOV 10 2017

7,419. Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 774 Pages: 682-705 Published: NOV 10 2017

7,420. Stacking interactions involving non-Watson-Crick basepairs: dispersion corrected density functional theory studies

By: Maiti, Satyabrata; Bhattacharyya, Dhananjay  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 19 Issue: 42 Pages: 28718-28730 Published:  
NOV 14 2017

7,421. Giant magnetoelectric effect in pure manganite-manganite heterostructures  
By: Paul, Sanjukta; Pankaj, Ravindra; Yarlagadda, Sudhakar; et al.  
PHYSICAL REVIEW B Volume: 96 Issue: 19 Article Number: 195130 Published: NOV 14 2017

7,422. Anomalous behaviour of droplet coalescence in a two-dimensional complex system  
By: Basak, Uttam Kumar; Datta, Alokmay  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 486 Pages: 284-295  
Published: NOV 15 2017

7,423. A-site cationic disorder induced significantly large magnetoresistance in polycrystalline  
La<sub>0.2</sub>Gd<sub>0.5</sub>Ba<sub>0.3</sub>MnO<sub>3</sub> compound  
By: Saha, Suvayan; Das, Kalipada; Bandyopadhyay, Sudipta; et al.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 442 Pages: 196-199 Published:  
NOV 15 2017

7,424. Synthesis of nano-patterned and Nickel Silicide embedded amorphous Si thin layer by ion  
implantation for higher efficiency solar devices  
By: Bhowmik, D.; Bhattacharjee, S.; Lavanyakumar, D.; et al.  
APPLIED SURFACE SCIENCE Volume: 422 Pages: 11-16 Published: NOV 15 2017

7,425. Search for pair production of vector-like T and B quarks in single-lepton final states using  
boosted jet substructure in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 085 Published: NOV 15 2017

7,426. Rho meson decay in the presence of a magnetic field  
By: Bandyopadhyay, Aritra; Mallik, S.  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 771 Published: NOV 16  
2017

7,427. Flavours and infra-red instability in holography  
By: Kundu, Arnab  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 101 Published: NOV 16 2017

7,428. Conformation mediated preferential swelling of amphiphilic block copolymer ultrathin films  
By: Bal, Jayanta Kumar; Mukherjee, Manabendra; Dildar, Lucky; et al.  
JOURNAL OF POLYMER RESEARCH Volume: 24 Issue: 12 Article Number: 222 Published: NOV 17  
2017



7,429. Label-Free and Nondestructive Separation Technique for Isolation of Targeted DNA from DNA-Protein Mixture Using Magnetic Au-Fe<sub>3</sub>O<sub>4</sub> Nanoprobes

By: Chowdhury, Ankan Dutta; Agnihotri, Nidhi; Doong, Ruey-an; et al.

ANALYTICAL CHEMISTRY Volume: 89 Issue: 22 Pages: 12244-12251 Published: NOV 21 2017

7,430. Microwave Absorption and the Magnetic Hyperthermia Applications of Li(0.3)Zn(3)Co(0.1)Fe(2.3)O(4) Nanoparticles in Multiwalled Carbon Nanotube Matrix

By: Dalal, Madhumita; Greneche, Jean-Marc; Satpati, Biswarup; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 9 Issue: 46 Pages: 40831-40845 Published: NOV 22 2017

7,431. Plasma expansion synthesis of tungsten nanopowder

By: Sarmah, Trinayan; Aomoa, Ngangom; Bhattacharjee, G.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 725 Pages: 606-615 Published: NOV 25 2017

7,432. SYK model, chaos and conserved charge

By: Bhattacharya, Ritabrata; Chakrabarti, Subhrooneel; Jatkar, Dileep P.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 180 Published: NOV 27 2017

7,433. Control of interfacial layer growth during deposition of high-kappa oxide thin films in reactive RF-sputtering system

By: Rakshit, Abhishek; Bose, Arijit; Biswas, Debaleen; et al.

APPLIED SURFACE SCIENCE Volume: 423 Pages: 957-960 Published: NOV 30 2017

7,434. Electronic band-offsets across Cu<sub>2</sub>O/BaZrO<sub>3</sub> heterojunction and its stable photo-electrochemical response: First-principles theoretical analysis and experimental optimization

By: Sharma, Dipika; Upadhyay, Rishibrind Kumar; Satpati, Biswarup; et al.

RENEWABLE ENERGY Volume: 113 Pages: 503-511 Published: DEC 2017

7,435. A cascaded pairwise biomolecular sequence alignment technique using evolutionary algorithm (vol 297, pg 118, 2015)

By: Chowdhury, Biswanath; Garai, Gautam

INFORMATION SCIENCES Volume: 421 Pages: 272-272 Published: DEC 2017

7,436. A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 472 Issue: 3 Pages: 2956-2962 Published: DEC 2017

7,437. Search for very high-energy gamma-ray emission from the microquasar Cygnus X-1 with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 472 Issue: 3 Pages: 3474-3485 Published: DEC 2017

7,438. Separation of lead and bismuth from proton irradiated lead-bismuth eutectic (LBE) target by differential precipitation

By: Choudhury, Dibyasree; Lahiri, Susanta; Naskar, Nabanita

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 314 Issue: 3 Pages: 2551-2555 Published: DEC 2017

7,439. Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 22 Article Number: 221802 Published: DEC 1 2017

7,440. Splitting of electromagnetically induced absorption signal in a five-level V-type atomic system

By: Islam, Khairul; Bandyopadhyay, Amitava; Das, Bankim Chandra; et al.

JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS Volume: 34 Issue: 12 Pages: 2550-2557 Published: DEC 1 2017

7,441. An FPGA based track finder for the L1 trigger of the CMS experiment at the High Luminosity LHC

By: Aggleton, R.; Ardila-Perez, L. E.; Ball, F. A.; et al.

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P12019 Published: DEC 2017

7,442. MGRN1-mediated ubiquitination of  $\alpha$ -tubulin regulates microtubule dynamics and intracellular transport

By: Mukherjee, Rukmini; Majumder, Priyanka; Chakrabarti, Oishee

TRAFFIC Volume: 18 Issue: 12 Pages: 791-807 Published: DEC 2017

7,443. Radioactive source calibration test of the CMS Hadron Endcap Calorimeter test wedge with Phase I upgrade electronics

By: Chatrchyan, S.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P12034 Published: DEC 2017

7,444. Investigating Exchange Bias and Coercivity in Fe<sub>3</sub>O<sub>4</sub>- $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> Core-Shell Nanoparticles of Fixed Core Diameter and Variable Shell Thicknesses

By: Obaidat, Ihab M.; Nayek, Chiranjib; Manna, Kaustuv; et al.

NANOMATERIALS Volume: 7 Issue: 12 Article Number: 415 Published: DEC 2017

7,445. Entanglement dynamics following a sudden quench: An exact solution

By: Ghosh, Supriyo; Gupta, Kumar S.; Srivastava, Shashi C. L.

EPL Volume: 120 Issue: 5 Article Number: 50005 Published: DEC 2017

7,446.Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064902 Published: DEC 5 2017

7,447.Measurement of charged pion, kaon, and proton production in proton-proton collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 112003 Published: DEC 5 2017

7,448.Generalized  $Z(2) \times Z(2)$  in scaling neutrino Majorana mass matrix and baryogenesis via flavored leptogenesis

By: Sinha, Roopam; Samanta, Rome; Ghosal, Ambar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 030 Published: DEC 6 2017

7,449.In situ synchrotron X-ray diffraction study of coherently embedded silver nanostructure growth in silicon

By: Guha, Puspendu; Juluri, Raghavendra Rao; Bhukta, Anjan; et al.

CRYSTENGCOMM Volume: 19 Issue: 45 Pages: 6811-6820 Published: DEC 7 2017

7,450.Effect of Scattering Efficiency in the Tip-Enhanced Raman Spectroscopic Imaging of Nanostructures in the Sub-diffraction Limit

By: Sivadasan, A. K.; Patsha, Avinash; Maity, Achyut; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 121 Issue: 48 Pages: 26967-26975 Published: DEC 7 2017

7,451.Matrix product states for interacting particles without hardcore constraints

By: Chatterjee, Amit Kumar; Mohanty, P. K.

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL Volume: 50 Issue: 49 Article Number: 495001 Published: DEC 8 2017

7,452.Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at root  $s=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 12 Article Number: 845 Published: DEC 8 2017

7,453.Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at root  $s=0.9, 7,$  and 8 TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 12 Article Number: 852 Published: DEC 9 2017

7,454. Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state

By: Sirunyan, A. M.; Collaboration, C. M. S.; Tumasyan, A.; et al.

PHYSICS LETTERS B Volume: 775 Pages: 1-24 Published: DEC 10 2017

7,455. Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 775 Pages: 315-337 Published: DEC 10 2017

7,456. Nanoclustering phase competition induces the resistivity hump in colossal magnetoresistive manganites

By: Pradhan, Kalpataru; Yunoki, Seiji

PHYSICAL REVIEW B Volume: 96 Issue: 21 Article Number: 214416 Published: DEC 11 2017

7,457. Growth dynamics of copper thin film deposited by soft-landing of size selected nanoclusters

By: Mondal, Shyamal; Chowdhury, Debasree; Barman, Pintu; et al.

EUROPEAN PHYSICAL JOURNAL D Volume: 71 Issue: 12 Article Number: 327 Published: DEC 12 2017

7,458. Observation of Top Quark Production in Proton-Nucleus Collisions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 24 Article Number: 242001 Published: DEC 14 2017

7,459. Hydrous ZrO<sub>2</sub> decorated polyaniline nanofibres: Synthesis, characterization and application as an efficient adsorbent for water defluoridation

By: Parashar, Kamya; Ballav, Niladri; Debnath, Sushanta; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 508 Pages: 342-358 Published: DEC 15 2017

7,460. J/ψ Elliptic Flow in Pb-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 24 Article Number: 242301 Published: DEC 15 2017

7,461.

Transcription factor 19 interacts with histone 3 lysine 4 trimethylation and controls gluconeogenesis via the nucleosome-remodeling-deacetylase complex

By: Sen, Sabyasachi; Sanyal, Sulagna; Srivastava, Dushyant Kumar; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 292 Issue: 50 Pages: 20362-20378 Published: DEC 15 2017

7,462. Host transcription factor Speckled 110 kDa (Sp110), a nuclear body protein, is hijacked by hepatitis B virus protein X for viral persistence

By: Sengupta, Isha; Das, Dipanwita; Singh, Shivaram Prasad; et al.

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 292 Issue: 50 Pages: 20379-20393 Published: DEC 15 2017

7,463. Fission fragment mass distributions from Po-210 and At-213

By: Sen, A.; Ghosh, T. K.; Bhattacharya, S.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064609 Published: DEC 18 2017

7,464. Low-field induced large magnetocaloric effect in  $Tm_2Ni_0.93Si_2.93$ : influence of short-range magnetic correlation

By: Pakhira, Santanu; Mazumdar, Chandan; Ranganathan, R.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 29 Issue: 50 Article Number: 505801  
Published: DEC 20 2017

7,465. Sensing of low concentration of ammonia at room temperature by cadmium sulphide nanoparticle decorated multiwalled carbon nanotube: fabrication and characterisation

By: Hasnahena, S. T.; Roy, M.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 50 Issue: 50 Article Number: 505103  
Published: DEC 20 2017

7,466. Kaon femtoscopy in Pb-Pb collisions at root  $s(NN)=2.76$  TeV

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064613 Published: DEC 21 2017

7,467. Magnetotransport properties and evidence of a topological insulating state in LaSbTe

By: Singha, Ratnadwip; Pariari, Arnab; Satpati, Biswarup; et al.

PHYSICAL REVIEW B Volume: 96 Issue: 24 Article Number: 245138 Published: DEC 26 2017

7,468. Thermal effects on rho meson properties in an external magnetic field

By: Ghosh, Snigdha; Mukherjee, Arghya; Mandal, Mahatsab; et al.

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 116020 Published: DEC 26 2017

7,469.

Charmed-baryon production in antiproton-proton collisions within an effective Lagrangian model

By: Shyam, R.

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 116019 Published: DEC 26 2017

7,470. Magnetostructural coupling and magnetodielectric effects in the A-site cation-ordered spinel  $LiFeCr_4O_8$

By: Saha, Rana; Dhanya, R.; Bellin, Christophe; et al.

PHYSICAL REVIEW B Volume: 96 Issue: 21 Article Number: 214439 Published: DEC 27 2017

7,471.Spectral flow in 3D flat spacetimes

By: Basu, Rudranil; Detournay, Stephane; Riegler, Max

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 134 Published: DEC 27 2017

7,472.Observable consequences of zero-point energy

By: Sen, Siddhartha; Gupta, Kumar S.

MODERN PHYSICS LETTERS A Volume: 32 Issue: 40 Article Number: 1750217 Published: DEC 28 2017

7,473.Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 142 Published: DEC 28 2017

7,474.Spontaneous superlattice structures in  $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$  (100) grown by metalorganic vapor phase epitaxy

By: Pradhan, A.; Maitra, T.; Mukherjee, S.; et al.

MATERIALS LETTERS Volume: 210 Pages: 77-79 Published: JAN 1 2018

7,475.Initial temperature and extent of chemical equilibration of partons in relativistic collisions of heavy nuclei

By: Srivastava, Dinesh K.; Chatterjee, Rupa; Mustafa, Munshi G.

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS Volume: 45 Issue: 1 Article Number: 015103 Published: JAN 2018

7,476.Nanomechanical properties of ion induced Si ripple patterns

By: Bhattacharjee, S.; Lavanyakumar, D.; Naik, V.; et al.

THIN SOLID FILMS Volume: 645 Pages: 265-268 Published: JAN 1 2018

7,477.Interplay of transitions between oscillations with emergence of fireballs and quantification of phase coherence, scaling index in a magnetized glow discharge plasma in a toroidal assembly

By: Saha, Debajyoti; Ghosh, Sabuj; Shaw, Pankaj Kumar; et al.

CHAOS SOLITONS & FRACTALS Volume: 106 Pages: 295-303 Published: JAN 2018

7,478.The Role of Devulcanizing Agent for Mechanochemical Devulcanization of Styrene Butadiene Rubber Vulcanizate

By: Ghosh, Joyeeta; Ghorai, Soumyajit; Bhunia, Satyaban; et al.

POLYMER ENGINEERING AND SCIENCE Volume: 58 Issue: 1 Pages: 74-85 Published: JAN 2018

7,479. Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam

By: Chatrchyan, S.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P01002 Published: JAN 2018

7,480. Symmetries and scaling in generalised coupled conserved Kardar-Parisi-Zhang equations

By: Banerjee, Tirthankar; Basu, Abhik

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT Article Number: 013202

Published: JAN 2018

7,481. Sensing of low concentration of ammonia at room temperature by decorated multi-walled carbon nanotube: fabrication and characteristics

By: Hasnahena, S. T.; Roy, M.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 124 Issue: 1 Article Number: 4

Published: JAN 2018

7,482. Nuclear Data Sheets for A=217

By: Kondev, F. G.; McCutchan, E. A.; Singh, B.; et al.

NUCLEAR DATA SHEETS Volume: 147 Pages: 382-458 Published: JAN 2018

7,483. Nonlinear coupling of Langmuir and electron acoustic waves in a viscous plasma

By: Dutta, Manjistha; Ghosh, Samiran; Chakrabarti, Nikhil

PHYSICS OF PLASMAS Volume: 25 Issue: 1 Article Number: 012103 Published: JAN 2018

7,484. Mesoporous silica for drug delivery: Interactions with model fluorescent lipid vesicles and live cells

By: Bardhan, Munmun; Majumdar, Anupa; Jana, Sayantan; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 178 Pages: 19-26

Published: JAN 2018

7,485. Benzamide porphyrins with directly conjugated and distal pyridyl or pyridinium groups substituted to the porphyrin macrocycles: Study of the photosensitising abilities as inducers of apoptosis in cancer cells under photodynamic conditions

By: Sengupta, Devashish; Mazumdar, Zeaul Hoque; Mukherjee, Avinaba; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 178 Pages: 228-236

Published: JAN 2018

7,486. To reveal the nature of interactions of human hemoglobin with gold nanoparticles having two different morphologies (sphere and star-shaped) by using various spectroscopic techniques

By: Chakraborty, Madhurima; Paul, Somnath; Mitra, Ishani; et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY Volume: 178 Pages: 355-366

Published: JAN 2018

7,487. HBT Radii: Comparative Studies on Collision Systems and Beam Energies

By: Das, Debasish

ADVANCES IN HIGH ENERGY PHYSICS Article Number: 3794242 Published: 2018

7,488. Small molecular organic nanocrystals resemble carbon nanodots in terms of their properties  
By: Khan, Syamantak; Sharma, Akshita; Ghoshal, Sourav; et al.  
CHEMICAL SCIENCE Volume: 9 Issue: 1 Pages: 175-180 Published: JAN 7 2018

7,489. J/psi production as a function of charged-particle pseudorapidity density in p-Pb collisions at  
root s(NN)=5.02 TeV  
By: Adamova, D.; Aggarwal, M. M.; Rinella, G. Aglieri; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 776 Pages: 91-104 Published: JAN 10 2018

7,490. Azimuthal anisotropy of charged particles with transverse momentum up to 100GeV/c in PbPb  
collisions at root S-NN=5.02 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 776 Pages: 195-216 Published: JAN 10 2018

7,491. First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC  
By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 776 Pages: 249-264 Published: JAN 10 2018

7,492. Measurements of  $t(\bar{t})$  cross sections in association with b jets and inclusive jets and  
their ratio using dilepton final states in pp collisions at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 776 Pages: 355-378 Published: JAN 10 2018

7,493. Pseudorapidity distributions of charged hadrons in proton-lead collisions at root s(NN)=5.02  
and 8.16 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 045 Published: JAN 11 2018

7,494. Search for resonant and nonresonant Higgs boson pair production in the  $b(\bar{b})\nu\bar{\nu}$  final  
state in proton-proton collisions at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 054 Published: JAN 12 2018

7,495. Search for dark matter and unparticles in events with a Z boson and missing transverse  
momentum in proton-proton collisions at root s = 13 TeV (vol 9, 106, 2017)  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 056 Published: JAN 12 2018



7,496. Interfacial and thermal energy driven growth and evolution of Langmuir-Schaefer monolayers of Au-nanoparticles

By: Mukhopadhyay, Mala; Hazra, S.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 20 Issue: 2 Pages: 1051-1062 Published: JAN 14 2018

7,497. Quantification of scaling exponent with Crossover type phenomena for different types of forcing in DC glow discharge plasma

By: Saha, Debajyoti; Shaw, Pankaj Kumar; Ghosh, Sabuj; et al.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 490 Pages: 300-310  
Published: JAN 15 2018

7,498. Microstructural and light emission properties of ZnSnP<sub>2</sub> thin film absorber: Study of native defects

By: Mukherjee, S.; Maitra, T.; Nayak, A.; et al.

MATERIALS CHEMISTRY AND PHYSICS Volume: 204 Pages: 147-153 Published: JAN 15 2018

7,499. Decoupled in-plane Dipole Resonance Modulated Colorimetric Assay-Based Optical Ruler for Ultra-Trace Gold (Au) Detection

By: Mandal, Ajoy; Bhattacharya, Maireyee; Kuznetsov, Denis V.; et al.

SCIENTIFIC REPORTS Volume: 8 Article Number: 868 Published: JAN 17 2018

7,500. Nanosensing of Pesticides by Zinc Oxide Quantum Dot: An Optical and Electrochemical Approach for the Detection of Pesticides in Water

By: Sahoo, Dibakar; Mandal, Abhishek; Mitra, Tapas; et al.

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 66 Issue: 2 Pages: 414-423  
Published: JAN 17 2018

7,501. Deposition of Au nanoparticles inside porous CeO<sub>2</sub> nanocubes using Langmuir-Blodgett technique

By: Das, Subhasis; Bhattacharjee, Gourab; Satpati, Biswarup; et al.

NEW JOURNAL OF CHEMISTRY Volume: 42 Issue: 2 Pages: 1379-1386 Published: JAN 21 2018

7,502. Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at root s=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 097 Published: JAN 22 2018

7,503. Active processes make mixed lipid membranes either flat or crumpled

By: Banerjee, Tirthankar; Basu, Abhik

NEW JOURNAL OF PHYSICS Volume: 20 Article Number: 013028 Published: JAN 22 2018

7,504. L-Cysteine-Conjugated Ruthenium Hydrous Oxide Nanomaterials with Anticancer Active Application

By: Ganguly, Bichitra Nandi; Maity, Buddhadeb; Maity, Tapan Kumar; et al.  
LANGMUIR Volume: 34 Issue: 4 Pages: 1447-1456 Published: JAN 30 2018

7,505. Large bandgap narrowing in rutile TiO<sub>2</sub> aimed towards visible light applications and its correlation with vacancy-type defects history and transformation

By: Nair, Radhika V.; Gayathri, P. K.; Gummaluri, Venkata Siva; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 51 Issue: 4 Article Number: 045107 Published: JAN 31 2018

7,506. Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 1 Article Number: 012007 Published: JAN 31 2018

7,507. A study of adventitious contamination layers on technically important substrates by photoemission and NEXAFS spectroscopies

By: Sinha, Sumona; Mukherjee, M.

VACUUM Volume: 148 Pages: 48-53 Published: FEB 2018

7,508. Temperature dependent current-voltage characteristics of Au/n-Si Schottky barrier diodes and the effect of transition metal oxides as an interface layer

By: Mahato, Somnath; Puigdollers, Joaquim

PHYSICA B-CONDENSED MATTER Volume: 530 Pages: 327-335 Published: FEB 1 2018

7,509. NiCuCo<sub>2</sub>O<sub>4</sub> Supported Ni-Cu Ion-Exchanged Mesoporous Zeolite Heteronano Architecture: An Efficient, Stable, and Economical Nonprecious Electrocatalyst for Methanol Oxidation

By: Samanta, Subhajyoti; Bhunia, Kousik; Pradhan, Debabrata; et al.

ACS SUSTAINABLE CHEMISTRY & ENGINEERING Volume: 6 Issue: 2 Pages: 2023-2036 Published: FEB 2018

7,510. Polyphenol oxidase-based luminescent enzyme hydrogel: an efficient redox active immobilized scaffold

By: Dey, Biswajit; Mukherjee, Suprabhat; Mukherjee, Niladri; et al.

BULLETIN OF MATERIALS SCIENCE Volume: 41 Issue: 1 Article Number: UNSP 14 Published: FEB 2018

7,511. Constraining warm inflation with CMB data

By: Bastero-Gil, Mar; Bhattacharya, Sukannya; Dutta, Koushik; et al.

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 2 Article Number: 054 Published: FEB 2018

7,512. Dense matter in strong gravitational field of neutron star

By: Bhat, Sajad A.; Bandyopadhyay, Debades

JOURNAL OF ASTROPHYSICS AND ASTRONOMY Volume: 39 Issue: 1 Special Issue: SI Article Number: 18 Published: FEB 2018

7,513. Phase-mixing of large amplitude electron oscillations in a cold inhomogeneous plasma  
By: Karmakar, Mithun; Maity, Chandan; Chakrabarti, Nikhil; et al.  
PHYSICS OF PLASMAS Volume: 25 Issue: 2 Article Number: 022102 Published: FEB 2018

7,514. Moment of inertia, quadrupole moment, Love number of neutron star and their relations with strange-matter equations of state  
By: Bandyopadhyay, Debades; Bhat, Sajad A.; Char, Prasanta; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 54 Issue: 2 Article Number: 26 Published: FEB 2018

7,515. Studies on synthesis of plasma fusion relevant tungsten dust particles and measurement of their hydrogen absorption properties  
By: Sarmah, Trinayan; Aomoa, N.; Sarma, Sidananda; et al.  
FUSION ENGINEERING AND DESIGN Volume: 127 Pages: 120-126 Published: FEB 2018

7,516. Revised level structure of Xe-127  
By: Chakraborty, S.; Sharma, H. P.; Tiwary, S. S.; et al.  
EPL Volume: 121 Issue: 4 Article Number: 42001 Published: FEB 2018

7,517. Trapping the Intermediate Conformations during Flexible DNA Cyclisation by SMFRET Measurements  
By: Paul, Tapas; Mishra, Padmaja Prasad  
BIOPHYSICAL JOURNAL Volume: 114 Issue: 3 Supplement: 1 Pages: 598A-598A Meeting Abstract: 2965-Pos Published: FEB 2 2018

7,518. Nuclear Uptake of Thiolated Riboflavin Gold Nanoassembly: DNA Damage and Apoptosis Induction in Cancer Cell  
By: Sau, Abhishek; Sen, Sabyasachi; Bera, Kallol; et al.  
BIOPHYSICAL JOURNAL Volume: 114 Issue: 3 Supplement: 1 Pages: 360A-360A Meeting Abstract: 1782-Pos Published: FEB 2 2018

7,519. Constraint on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at root s=8TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 032 Published: FEB 6 2018

7,520. DNA Damage and Apoptosis Induction in Cancer Cells by Chemically Engineered Thiolated Riboflavin Gold Nanoassembly  
By: Sau, Abhishek; Sanyal, Sulagna; Bera, Kallol; et al.  
ACS APPLIED MATERIALS & INTERFACES Volume: 10 Issue: 5 Pages: 4582-4589 Published: FEB 7 2018

7,521. Search for Higgsino pair production in pp collisions at root s=13 TeV in final states with large missing transverse momentum and two Higgs bosons decaying via  $H \rightarrow b\bar{b}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 032007 Published: FEB 8 2018

7,522. Quasifree (p, pN) scattering of light neutron-rich nuclei near N=14

By: Diaz Fernandez, P.; Alvarez-Pol, H.; Crespo, R.; et al.

Group Author(s): R3B Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024311 Published: FEB 9 2018

7,523. Search for heavy resonances decaying to a top quark and a bottom quark in the lepton plus jets final state in proton-proton collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 777 Pages: 39-63 Published: FEB 10 2018

7,524. Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

PHYSICS LETTERS B Volume: 777 Pages: 151-162 Published: FEB 10 2018

7,525. The ALICE Transition Radiation Detector: Construction, operation, and performance

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 881 Pages: 88-127

Published: FEB 11 2018

7,526. Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024906 Published: FEB 12 2018

7,527. Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 067 Published: FEB 12 2018

7,528. Resistive switching behavior in oxygen ion irradiated TiO<sub>2-x</sub> films

By: Barman, A.; Saini, C. P.; Sarkar, P. K.; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 51 Issue: 6 Article Number: 065306 Published:

FEB 14 2018

7,529. Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 7 Article Number: 071802 Published: FEB 14 2018

7,530. Study on magnetic and hyperfine properties of mechanically milled Ni<sub>0.4</sub>Zn<sub>0.6</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles

By: Mondal, R.; Dey, S.; Majumder, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 448 Special Issue: SI Pages: 135-145 Published: FEB 15 2018

7,531. Magnetic behavior of nanostructured NiTiO<sub>3</sub> and NiO material: Anomalous increase in coercivity

By: Modak, M.; Pal, N.; Mondal, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 448 Special Issue: SI Pages: 221-227 Published: FEB 15 2018

7,532. Magnetocaloric as a sensitive tool to study magnetic phase in Ca<sub>4</sub>Mn<sub>3</sub>O<sub>10-δ</sub>

By: Mondal, Sampad; Modak, M.; Ray, M. K.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 448 Special Issue: SI Pages: 292-297 Published: FEB 15 2018

7,533. Identification of defects in the transition metal oxide-doped glass nanocomposite xV<sub>2</sub>O<sub>5</sub>-(1-x)(0.05MoO<sub>3</sub>-0.95ZnO) using positron annihilation spectroscopy and other techniques

By: Das, Anindya Sundar; Roy, Madhab; Roy, Debasish; et al.

JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 482 Pages: 52-62 Published: FEB 15 2018

7,534. Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at root s=13TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number: 140 Published: FEB 19 2018

7,535. Orthogonality catastrophe and fractional exclusion statistics

By: Ares, Filiberto; Gupta, Kumar S.; de Queiroz, Amilcar R.

PHYSICAL REVIEW E Volume: 97 Issue: 2 Article Number: 022133 Published: FEB 20 2018

7,536. Production of deuterons, tritons, He-3 nuclei, and their antinuclei in pp collisions at root s=0.9, 2.76, and 7 TeV

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024615 Published: FEB 21 2018

7,537. General structure of fermion two-point function and its spectral representation in a hot magnetized medium

By: Das, Aritra; Bandyopadhyay, Aritra; Roy, Pradip K.; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 034024 Published: FEB 22 2018

7,538. Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 8 Article Number: 081801 Published: FEB 22 2018

7,539. Temperature dependence of long coherence times of oxide charge qubits

By: Dey, A.; Yarlagadda, S.

SCIENTIFIC REPORTS Volume: 8 Article Number: 3487 Published: FEB 22 2018

7,540. Measurements of the  $pp \rightarrow ZZ$  production cross section and the  $Z \rightarrow 4l$  branching fraction, and constraints on anomalous triple gauge couplings at  $\sqrt{s}=13$ TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number: 165 Published: FEB 24 2018

7,541. Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p plus Pb Collisions at the LHC

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 9 Article Number: 092301 Published: FEB 26 2018

7,542. Possible ergodic-nonergodic regions in the quantum Sherrington-Kirkpatrick spin glass model and quantum annealing

By: Mukherjee, Sudip; Rajak, Atanu; Chakrabarti, Bikas K.

PHYSICAL REVIEW E Volume: 97 Issue: 2 Article Number: 022146 Published: FEB 28 2018

7,543. Magnetocaloric effect study of  $\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3\text{-La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$  nanocomposite

By: Das, Kalipada; Chowdhury, R. Roy; Midda, S.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 449 Pages: 304-307 Published: MAR 1 2018

7,544. On the evolution of antiferromagnetic nanodomains in NiO thin films: A LEEM study

By: Das, Jayanta; Menon, Krishnakumar S. R.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 449 Pages: 415-422 Published: MAR 1 2018

7,545. Excited negative parity bands in Yb-160

By: Saha, A.; Bhattacharjee, T.; Curien, D.; et al.

PHYSICA SCRIPTA Volume: 93 Issue: 3 Article Number: 034001 Published: MAR 2018

- 7,546. Microstructural Investigation, Raman and Magnetic Studies on Chemically Synthesized Nanocrystalline Ni-Doped Gadolinium Oxide (Gd<sub>1.90</sub>Ni<sub>0.10</sub>O<sub>3- $\delta$</sub> )  
By: Sarkar, B. J.; Mandal, J.; Dalal, M.; et al.  
JOURNAL OF ELECTRONIC MATERIALS Volume: 47 Issue: 3 Pages: 1768-1779 Published: MAR 2018
- 7,547. Indirect dark matter searches in the dwarf satellite galaxy Ursa Major II with the MAGIC telescopes  
By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.  
Group Author(s): MAGIC Collaboration  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 3 Article Number: 009 Published: MAR 2018
- 7,548. Lysosomal Quality Control in Prion Diseases  
By: Majumder, Priyanka; Chakrabarti, Oishee  
MOLECULAR NEUROBIOLOGY Volume: 55 Issue: 3 Pages: 2631-2644 Published: MAR 2018
- 7,549. Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector  
By: Adam, W.; Bergauer, T.; Brondolin, E.; et al.  
Group Author(s): CMS Tracker Collaboration  
JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P03003 Published: MAR 2018
- 7,550. Constraints on brane-world inflation from the CMB power spectrum: revisited  
By: Gangopadhyay, Mayukh R.; Mathews, Grant J.  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 3 Article Number: 028 Published: MAR 2018
- 7,551. Production of He-4 and  $\langle \bar{\nu} \nu \rangle$  in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV at the LHC  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
NUCLEAR PHYSICS A Volume: 971 Pages: 1-20 Published: MAR 2018
- 7,552. Search for ZZ resonances in the  $2l2\nu$  final state in proton-proton collisions at 13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 003 Published: MAR 5 2018
- 7,553. D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions  $\sqrt{s_{NN}}=5.02$  TeV  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
PHYSICAL REVIEW LETTERS Volume: 120 Issue: 10 Article Number: 102301 Published: MAR 9 2018
- 7,554. Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 778 Pages: 101-127 Published: MAR 10 2018

7,555. Study of spectroscopic factors at  $N=29$  using isobaric analogue resonances in inverse kinematics

By: Bradt, J.; Ayyad, Y.; Bazin, D.; et al.

PHYSICS LETTERS B Volume: 778 Pages: 155-160 Published: MAR 10 2018

7,556. Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 778 Pages: 263-291 Published: MAR 10 2018

7,557. Search for pair production of excited top quarks in the lepton plus jets final state The CMS Collaboration

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 778 Pages: 349-370 Published: MAR 10 2018

7,558. Constraining composite Higgs models using LHC data

By: Banerjee, Avik; Bhattacharyya, Gautam; Kumar, Nilanjana; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 062 Published: MAR 12 2018

7,559. Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in  $pp$  collisions at  $\sqrt{s}=13$ TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 076 Published: MAR 13 2018

7,560. Chemical disorder driven reentrant spin cluster glass state formation and associated magnetocaloric properties of  $\text{Nd}_2\text{Ni}_{0.94}\text{Si}_{2.94}$

By: Pakhira, Santanu; Mazumdar, Chandan; Ranganathan, R.; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 20 Issue: 10 Pages: 7082-7092 Published: MAR 14 2018

7,561. Chitosan-fatty acid interaction mediated growth of Langmuir monolayer and Langmuir-Blodgett films

By: Ahmed, Iqbal; Dildar, Lucky; Haque, Anamul; et al.

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 514 Pages: 433-442 Published: MAR 15 2018

7,562. Large magnetocaloric effect in geometrically frustrated polycrystalline  $\text{ErMnO}_3$  compound at cryogenic temperature

By: Das, Kalipada; Banik, Sanjib; Das, I.

PHYSICA B-CONDENSED MATTER Volume: 533 Pages: 46-49 Published: MAR 15 2018



7,563. Crystal structure of heat shock protein 15 (Hsp15) from *Vibrio cholerae*: Novel mode of trimerization and nucleic acid binding properties  
By: Chowdhury, Sanghati Roy; Sen, Udayaditya  
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 497 Issue: 4 Pages: 1076-1081 Published: MAR 18 2018

7,564. Exploiting Le Chatelier's principle for a one-pot synthesis of nontoxic HHogGNPs with the sharpest nanoscopic features suitable for tunable plasmon spectroscopy and high throughput SERS sensing  
By: Bhattacharya, Maireyee  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 255 Meeting Abstract: 684  
Published: MAR 18 2018

7,565. Low electric and magnetic field induced transient spin dynamics of sanguinarine on single domain nanosurface  
By: Das Chakraborty, Sudeshna  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY Volume: 255 Meeting Abstract: 692  
Published: MAR 18 2018

7,566. Measurement of the inclusive  $t\bar{t}$  cross section in pp collisions  $\sqrt{s}=5.02$  TeV using final states with at least one charged lepton  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 115 Published: MAR 20 2018

7,567. Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at  $\sqrt{s}=7$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 242 Published: MAR 21 2018

7,568. Strong uniaxial magnetic anisotropy in Co films on highly ordered grating-like nanopatterned Ge surfaces  
By: Mollick, Safiul Alam; Singh, Ranveer; Kumar, Mohit; et al.  
NANOTECHNOLOGY Volume: 29 Issue: 12 Article Number: 125302 Published: MAR 23 2018

7,569.  $\pi(0)$  and eta meson production in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Acharya, S.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 263 Published: MAR 26 2018

7,570. Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 160 Published: MAR 27 2018

7,571. Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 167 Published: MAR 27 2018

7,572. Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 166 Published: MAR 27 2018

7,573. Probing lattice dynamics and electron-phonon coupling in the topological nodal-line semimetal ZrSiS

By: Singha, Ratnadwip; Samanta, Sudeshna; Chatterjee, Swastika; et al.

PHYSICAL REVIEW B Volume: 97 Issue: 9 Article Number: 094112 Published: MAR 28 2018

7,574. Measurement of differential cross sections in the kinematic angular variable  $\phi^*$  for inclusive Z boson production in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 172 Published: MAR 28 2018

7,575. Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 181 Published: MAR 29 2018

7,576. Thermal expansion properties of  $\text{Ho}_2\text{Fe}_{16.5}\text{Cr}_{0.5}$

By: Dan, Shovan; Mukherjee, S.; Mazumdar, Chandan; et al.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 115 Pages: 92-96 Published: APR 2018

7,577. Interactions of Fluorescein Dye with Spherical and Star Shaped Gold Nanoparticles

By: Dutta (Pal), Gopa; Paul, Somnath; Bardhan, Munmun; et al.

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY Volume: 18 Issue: 4 Pages: 2943-2950

Published: APR 2018

7,578. Large positive magnetoresistance in intermetallic compound  $\text{NdCo}_2\text{Si}_2$

By: Chowdhury, R. Roy; Dhara, S.; Das, I.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 451 Pages: 625-628 Published: APR 1 2018

7,579. Ultrathin Vapor-Liquid-Solid Grown Titanium Dioxide-II Film on Bulk GaAs Substrates for Advanced Metal-Oxide-Semiconductor Device Applications

By: Das, Anindita; Chowdhury, Basudev Nag; Saha, Rajib; et al.

IEEE TRANSACTIONS ON ELECTRON DEVICES Volume: 65 Issue: 4 Pages: 1466-1472 Published: APR 2018

7,580. Growth optimization and electronic structure of ultrathin CoO films on Ag(001): A LEED and photoemission study

By: Barman, Sukanta; Menon, Krishnakumar S. R.

JOURNAL OF CRYSTAL GROWTH Volume: 487 Pages: 28-33 Published: APR 1 2018

7,581. Effect of Annealing Temperature on the Structural and the Electrical Transport Properties of La<sub>2</sub>NiMnO<sub>6</sub> Nanoparticles

By: Chakraborty, Deblina; Nandi, Upendranath; Dey, Animesh Kumar; et al.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS Volume: 255 Issue: 4 Article Number: 1700436 Published: APR 2018

7,582. Direct observation of the external force mediated conformational dynamics of an IHF bound Holliday junction

By: Bera, Subhas C.; Paul, Tapas; Iyengar, A. N. Sekar; et al.

FARADAY DISCUSSIONS Volume: 207 Pages: 251-265 Published: APR 1 2018

7,583. Role of ion magnetization in formation of radial density profile in magnetically expanding plasma produced by helicon antenna

By: Yadav, Sonu; Ghosh, Soumen; Bose, Sayak; et al.

PHYSICS OF PLASMAS Volume: 25 Issue: 4 Article Number: 043518 Published: APR 2018

7,584. Suppression of Excited gamma States Relative to the Ground State in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 14 Article Number: 142301 Published: APR 2 2018

7,585. Experimental signature of collective enhancement in nuclear level density

By: Pandit, Deepak; Bhattacharya, Srijit; Mondal, Debasish; et al.

PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 041301 Published: APR 3 2018

7,586. Measurement of the Splitting Function in  $\sqrt{s_{NN}}=5.02$  TeV Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 14 Article Number: 142302 Published: APR 3 2018

- 7,587. Probing the Fermi surface and magnetotransport properties of MoAs<sub>2</sub>  
By: Singha, Ratnadwip; Pariari, Arnab; Gupta, Gaurav Kumar; et al.  
PHYSICAL REVIEW B Volume: 97 Issue: 15 Article Number: 155120 Published: APR 9 2018
- 7,588. Constraints on particle acceleration in SS433/W50 from MAGIC and HESS observations  
By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.  
Group Author(s): HESS Collaboratio; MAGIC Collaboration  
ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A14 Published: APR 9 2018
- 7,589. Measurement of associated Z plus charm production in proton-proton collisions at root s=8TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 4 Article Number: 287 Published: APR 9 2018
- 7,590. Combination of inclusive and differential  $t(\bar{t})$  over-bar charge asymmetry measurements using ATLAS and CMS data at root S=7 and 8 TeV  
By: Aaboud, M. y; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration; ATLAS Collaboration; CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 033 Published: APR 9 2018
- 7,591. Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072006 Published: APR 10 2018
- 7,592. Search for heavy resonances decaying to a top quark and a bottom quark in the lepton plus jets final state in proton-proton collisions at 13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 777 Pages: 39-63 Published: FEB 10 2018
- 7,593. Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 779 Pages: 166-190 Published: APR 10 2018
- 7,594. Observation of the Higgs boson decay to a pair of tau leptons with the CMS detector  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 779 Pages: 283-316 Published: APR 10 2018

7,595. Measurement of the associated production of a single top quark and a Z boson in pp collisions at,  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 358-384 Published: APR 10 2018

7,596. Search for vectorlike light-flavor quark partners in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072008 Published: APR 11 2018

7,597. Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 4 Article Number: 291 Published: APR 11 2018

7,598. Measurement of normalized differential  $t(\bar{t})$  cross sections in the dilepton channel from pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 060 Published: APR 11 2018

7,599. Strong Neutron Pairing in core+4n Nuclei

By: Revel, A.; Marques, F. M.; Sorlin, O.; et al.

Group Author(s): R3B Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 15 Article Number: 152504 Published: APR 12 2018

7,600. Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e  $\mu$  final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 073 Published: APR 13 2018

7,601. A facile route for the syntheses of Ni(OH)<sub>2</sub> and NiO nanostructures as potential candidates for non-enzymatic glucose sensor

By: Pal, Nabanita; Banerjee, Sangam; Bhaumik, Asim

JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 516 Pages: 121-127 Published: APR 15 2018

7,602. Magneto-transport properties of proposed triply degenerate topological semimetal Pd<sub>3</sub>Bi<sub>2</sub>S<sub>2</sub>

By: Roy, Shubhankar; Pariari, Arnab; Singha, Ratnadwip; et al.

APPLIED PHYSICS LETTERS Volume: 112 Issue: 16 Article Number: 162402 Published: APR 16 2018

7,603. Measurement of the Lambda(b) polarization and angular parameters in Lambda(b) -> J/psi Lambda decays from pp collisions at root s=7 and 8 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072010 Published: APR 17 2018

7,604. Many-body localization-delocalization transition in the quantum Sherrington-Kirkpatrick model  
By: Mukherjee, Sudip; Nag, Sabyasachi; Garg, Arti  
PHYSICAL REVIEW B Volume: 97 Issue: 14 Article Number: 144202 Published: APR 18 2018

7,605. Inhibition of cancer progression by a novel trans-stilbene derivative through disruption of microtubule dynamics, driving G2/M arrest, and p53-dependent apoptosis  
By: Parida, Pravat Kumar; Mahata, Barun; Santra, Abhisek; et al.  
CELL DEATH & DISEASE Volume: 9 Article Number: 448 Published: APR 18 2018

7,606. Lambda(+)(c) production in pp collisions at root s=7 TeV and in p-Pb collisions at root s(NN)=5.02 TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 108 Published: APR 18 2018

7,607. Dynamical structure of Carrollian Electrodynamics  
By: Basu, Rudranil; Chowdhury, Udit Narayan  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 111 Published: APR 19 2018

7,608. Inhomogeneous Jacobi equation for minimal surfaces and perturbative change in holographic entanglement entropy  
By: Ghosh, Avirup; Mishra, Rohit  
PHYSICAL REVIEW D Volume: 97 Issue: 8 Article Number: 086012 Published: APR 20 2018

7,609. New relativistic effective interaction for finite nuclei, infinite nuclear matter, and neutron stars  
By: Kumar, Bharat; Patra, S. K.; Agrawal, B. K.  
PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 045806 Published: APR 23 2018

7,610. Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 044912 Published: APR 23 2018

7,611. Cluster states at low excitation energy in S-34  
By: Bisoi, Abhijit; Das, Ananya; Sarkar, M. Saha; et al.  
PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 044317 Published: APR 24 2018

7,612. Effect of A-site ionic disorder on magnetocaloric properties in large band width manganite systems

By: Banik, Sanjib; Das, I.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 742 Pages: 248-255 Published: APR 25 2018

7,613. Magnetic phase inhomogeneity in frustrated intermetallic compound  $\text{Sm}_2\text{Ni}_{0.87}\text{Si}_{2.87}$

By: Pakhira, Santanu; Mazumdar, Chandan; Ranganathan, R.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 742 Pages: 391-401 Published: APR 25 2018

7,614. Charm Production in Interactions of Antiproton with Proton and Nuclei at ( $P$ )over-bar ANDA Energies

By: Shyam, R.; Tsushima, K.

FEW-BODY SYSTEMS Volume: 59 Issue: 3 Article Number: UNSP 18 Published: MAY 2018

7,615. Pulse shape discrimination of plastic scintillator EJ 299-33 with radioactive sources

By: Pagano, E. V.; Chatterjee, M. B.; De Filippo, E.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 889 Pages: 83-88 Published: MAY 1 2018

7,616. A brief review of intruder rotational bands and magnetic rotation in the  $A=110$  mass region

By: Banerjee, P.

PHYSICA SCRIPTA Volume: 93 Issue: 5 Article Number: 054001 Published: MAY 2018

7,617. Anomalies in quantitative measurement of K-40 in natural samples

By: Naskar, Nabanita; Lahiri, Susanta; Chaudhuri, Punarbasu

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY Volume: 316 Issue: 2 Pages: 709-715 Published: MAY 2018

7,618. A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A (vol 472, pg 2956, 2017)

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 476 Issue: 3 Pages: 2874-2875 Published: MAY 2018

7,619. Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P05011 Published: MAY 2018

7,620. Production and integration of the ATLAS Insertable B-Layer

By: Abbott, B.; Albert, J.; Alberti, F.; et al.

Group Author(s): ATLAS IBL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: T05008 Published: MAY 2018

7,621. Jet properties in PbPb and pp collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 006 Published: MAY 2 2018

7,622. An Endophytic Bacterial Consortium modulates multiple strategies to improve Arsenic Phytoremediation Efficacy in *Solanum nigrum*

By: Mukherjee, Gairik; Saha, Chinmay; Naskar, Nabanita; et al.

SCIENTIFIC REPORTS Volume: 8 Article Number: 6979 Published: MAY 3 2018

7,623. Search for natural and split supersymmetry in proton-proton collisions at  $\sqrt{s}=13$  TeV in final states with jets and missing transverse momentum

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 025 Published: MAY 4 2018

7,624. A facile synthesis strategy to couple porous nanocubes of CeO<sub>2</sub> with Ag nanoparticles: an excellent catalyst with enhanced reactivity for the 'click reaction' and carboxylation of terminal alkynes

By: Das, Subhasis; Mondal, Paramita; Ghosh, Swarbhanu; et al.

NEW JOURNAL OF CHEMISTRY Volume: 42 Issue: 9 Pages: 7314-7325 Published: MAY 7 2018

7,625. Rotational band on a three-quasineutron isomer in Xe-127

By: Chakraborty, S.; Sharma, H. P.; Tiwary, S. S.; et al.

PHYSICAL REVIEW C Volume: 97 Issue: 5 Article Number: 054311 Published: MAY 10 2018

7,626. Search for collectivity with azimuthal J/psi-hadron correlations in high multiplicity p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  and 8.16 TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): Alice Collaboration

PHYSICS LETTERS B Volume: 780 Pages: 7-20 Published: MAY 10 2018

7,627. Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 780 Pages: 118-143 Published: MAY 10 2018

7,628. Measurement of quarkonium production cross sections in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 780 Pages: 251-272 Published: MAY 10 2018

7,629. Measurement of Z(0)-boson production at large rapidities in Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.



Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 372-383 Published: MAY 10 2018

7,630. Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 384-409 Published: MAY 10 2018

7,631. Search for new long-lived particles at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 432-454 Published: MAY 10 2018

7,632. Evidence for the Higgs boson decay to a bottom quark-antiquark pair

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 501-532 Published: MAY 10 2018

7,633. High density nonmagnetic cobalt in thin films

By: Banu, Nasrin; Singh, Surendra; Basu, Saibal; et al.  
NANOTECHNOLOGY Volume: 29 Issue: 19 Article Number: 195703 Published: MAY 11 2018

7,634. Correlating Photoluminescence and Structural Properties of Uncapped and GaAs-Capped Epitaxial InGaAs Quantum Dots

By: Dey, Arka B.; Sanyal, Milan K.; Farrer, Ian; et al.  
SCIENTIFIC REPORTS Volume: 8 Article Number: 7514 Published: MAY 14 2018

7,635. Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 201801 Published: MAY 14 2018

7,636. Evolution from non-Griffiths phase to Griffiths phase: Giant enhancement of magnetoresistance in nanocrystalline  $(\text{La}_{0.4}\text{Y}_{0.6})_{0.7}\text{Ca}_{0.3}\text{MnO}_3$  compound

By: Banik, Sanjib; Banu, Nasrin; Das, I.  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 745 Pages: 753-760 Published: MAY 15 2018

7,637. Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 088 Published: MAY 15 2018

7,638. Can measurements of 2HDM parameters provide hints for high scale supersymmetry?

By: Bhattacharyya, Gautam; Das, Dipankar; Jay Perez, M.; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 9 Article Number: 095018 Published: MAY 16 2018

7,639. Measurement of Prompt D-0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 202301 Published: MAY 16 2018

7,640. Perspectives on scaling and multiscaling in passive scalar turbulence

By: Banerjee, Tirthankar; Basu, Abhik

PHYSICAL REVIEW E Volume: 97 Issue: 5 Article Number: 052124 Published: MAY 17 2018

7,641. Structural stability of coplanar 1T-2H superlattice MoS<sub>2</sub> under high energy electron beam

By: Reshmi, S.; Akshaya, M. V.; Satpati, Biswarup; et al.

NANOTECHNOLOGY Volume: 29 Issue: 20 Article Number: 205604 Published: MAY 18 2018

7,642. Search for the X(5568) State Decaying into B-s(0)pi(+/-) in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 202005 Published: MAY 18 2018

7,643. Managing the sugar factory: A new feather in the cap for nuclear factor Y

By: Sen, Sabyasachi; Das, Chandrima

JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 293 Issue: 20 Pages: 7905-7906 Published: MAY 18 2018

7,644. Observation of short range order driven large refrigerant capacity in chemically disordered single phase compound Dy<sub>2</sub>Ni<sub>0.87</sub>Si<sub>2.95</sub>

By: Pakhira, Santanu; Mazumdar, Chandan; Choudhury, Dibyasree; et al.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 20 Issue: 19 Pages: 13580-13587 Published: MAY 21 2018

7,645. Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 9 Article Number: 092005 Published: MAY 21 2018

7,646. Supramolecular Aggregates of Tetraphenylethene-Cored AIEgen toward Mechanoluminescent and Electroluminescent Devices

By: Biswas, Sandip; Jana, Debabrata; Kumar, Gundam Sandeep; et al.

ACS APPLIED MATERIALS & INTERFACES Volume: 10 Issue: 20 Pages: 17409-17418 Published: MAY 23 2018

7,647. Search for a heavy right-handed  $W$  boson and a heavy neutrino in events with two same-flavor leptons and two jets  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 148 Published: MAY 24 2018

7,648. Double-Metal-Ion-Exchanged Mesoporous Zeolite as an Efficient Electrocatalyst for Alkaline Water Oxidation: Synergy between Ni-Cu and Their Contents in Catalytic Activity Enhancement

By: Samanta, Subhajyoti; Khilari, Santimoy; Bhunia, Kousik; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 122 Issue: 20 Pages: 10725-10736 Published: MAY 24 2018

7,649. Flatspace chiral supergravity

By: Bagchi, Arjun; Basu, Rudranil; Detournary, Stephane; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 10 Article Number: 106020 Published: MAY 25 2018

7,650. Probing a four flavor vis-a-vis three flavor neutrino mixing for ultrahigh energy neutrino signals at a 1 km<sup>2</sup> detector

By: Pandey, Madhurima; Majumdar, Debasish; Banik, Amit Dutta

PHYSICAL REVIEW D Volume: 97 Issue: 10 Article Number: 103015 Published: MAY 25 2018

7,651. Negative differential mobility in interacting particle systems

By: Chatterjee, Amit Kumar; Basu, Urna; Mohanty, P. K.

PHYSICAL REVIEW E Volume: 97 Issue: 5 Article Number: 052137 Published: MAY 29 2018

7,652. NNLO QCD corrections to production of a spin-2 particle with nonuniversal couplings in the Drell-Yan process

By: Banerjee, Pulak; Dhani, Prasanna K.; Kumar, M. C.; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 9 Article Number: 094028 Published: MAY 29 2018

7,653. Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Collaboration, C. M. S.; Tumasyan, A.; et al.

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 22 Article Number: 221801 Published: MAY 29 2018

7,654. Role of random magnetic anisotropy on the valence, magnetocaloric and resistivity properties in a hexagonal Sm<sub>2</sub>Ni<sub>0.87</sub>Si<sub>2.87</sub> compound

By: Pakhira, Santanu; Kundu, Asish K.; Mazumdar, Chandan; et al.

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 30 Issue: 21 Article Number: 215601  
Published: MAY 31 2018

7,655. Rectification and Amplification of Ionic Current in Planar Graphene/Graphene-Oxide Junctions: An Electrochemical Diode and Transistor

By: Jana, Sourav Kanti; Banerjee, Sangam; Bayan, Sayan; et al.

JOURNAL OF PHYSICAL CHEMISTRY C Volume: 122 Issue: 21 Pages: 11378-11384 Published: MAY 31 2018

7,656. 3d transition metals and oxides within carbon nanotubes by copolyrolysis of metallocene & camphor: High filling efficiency and self-organized structures

By: Kapoor, Aakanksha; Singh, Nitesh; Dey, Arka Bikash; et al.

CARBON Volume: 132 Pages: 733-745 Published: JUN 2018

7,657. Magnetocaloric effect of polycrystalline  $\text{Sm}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$  compound: Investigation of low temperature magnetic state

By: Das, Kalipada; Banu, Nasrin; Das, I.; et al.

SOLID STATE COMMUNICATIONS Volume: 274 Pages: 36-40 Published: JUN 2018

7,658. Exploration of Magnetic Entropy Change Across the Martensite Transformation to  $\text{Ni}_{44}\text{Co}_2\text{Mn}_{43}\text{In}_{11}$  Alloy

By: Ray, Mayukh K.; Obaidat, Ihab M.; Banerjee, Sangam

SCIENCE OF ADVANCED MATERIALS Volume: 10 Issue: 6 Pages: 785-792 Published: JUN 2018

7,659. Highly Conserved Arg Residue of ERFNIN Motif of Pro-Domain is Important for pH-Induced Zymogen Activation Process in Cysteine Cathepsins K and L

By: Aich, Pulakesh; Biswas, Sampa

CELL BIOCHEMISTRY AND BIOPHYSICS Volume: 76 Issue: 1-2 Special Issue: SI Pages: 219-229 Published: JUN 2018

7,660. Influence of high energy ball milling on structural parameters, cation distribution and magnetic enhancement of nanosized  $\text{Co}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$

By: Mondal, R.; Dey, S.; Sarkar, K.; et al.

MATERIALS RESEARCH BULLETIN Volume: 102 Pages: 160-171 Published: JUN 2018

7,661. Structural and magnetic properties of  $\text{La}_2\text{Ni}_{1-x}\text{Co}_x\text{MnO}_6$  compounds

By: Pramanik, Debabrata; Mukherjee, S.; Dan, Shovan; et al.

MATERIALS RESEARCH BULLETIN Volume: 102 Pages: 248-256 Published: JUN 2018

7,662. Attractor models in scalar-tensor theories of inflation

By: Bhattacharya, Sukannya; Das, Kumar; Dutta, Koushik

INTERNATIONAL JOURNAL OF MODERN PHYSICS D Volume: 27 Issue: 8 Article Number: 1850079 Published: JUN 2018

7,663. Relativistic electron plasma oscillations in an inhomogeneous ion background

By: Karmakar, Mithun; Maity, Chandan; Chakrabarti, Nikhil

PHYSICA SCRIPTA Volume: 93 Issue: 6 Article Number: 065601 Published: JUN 2018

7,664. Search for lepton flavour violating decays of the Higgs boson to mu tau and e tau in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 001 Published: JUN 1 2018

7,665. Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 002 Published: JUN 1 2018

7,666. Two component Feebly Interacting Massive Particle (FIMP) dark matter

By: Pandey, Madhurima; Majumdar, Debasish; Modak, Kamakshya Prasad

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 6 Article Number: 023 Published: JUN 2018

7,667. Inverse association of vitamin D-3 levels with lung cancer mediated by genetic variation

By: Haznadar, Majda; Krausz, Kristopher W.; Margono, Ezra; et al.

CANCER MEDICINE Volume: 7 Issue: 6 Pages: 2764-2775 Published: JUN 2018

7,668. Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P06015 Published: JUN 2018

7,669. Observation of  $(t\bar{t})$  Production

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 23 Article Number: 231801 Published: JUN 4 2018

7,670. Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 027 Published: JUN 5 2018

7,671. Search for single production of vector-like quarks decaying to a b quark and a Higgs boson

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Published: JUN 5 2018

7,672. One-pot tandem conversion of monosaccharides and disaccharides to 2,5-diformylfuran using a Ru nanoparticle-supported H-beta catalyst

By: Sarmah, Bhaskar; Satpati, Biswarup; Srivastava, Rajendra

CATALYSIS SCIENCE & TECHNOLOGY Volume: 8 Issue: 11 Pages: 2870-2882 Published: JUN 7 2018

7,673. Measurement of b hadron lifetimes in pp collisions at  $\sqrt{s}=8\text{TeV}$

By: Sirunyan, A. M.; Collaboration, C. M. S.; Tumasyan, A.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 457 Published: JUN 7 2018

7,674. Transverse vibration driven large uniaxial negative and zero thermal expansion in boron bridged REPt3B framework materials

By: Mondal, Sudipta; Mazumdar, Chandan; Ranganathan, R.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 20 Issue: 21 Pages: 14876-14883 Published: JUN 7 2018

7,675. Prompt and non-prompt J/psi production and nuclear modification at mid-rapidity in p-Pb collisions at  $\sqrt{s(NN)}=5.02\text{ TeV}$

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 466 Published: JUN 8 2018

7,676. Anisotropic flow: A case for bottomonia

By: Das, Debasish; Dutta, Nirupam

INTERNATIONAL JOURNAL OF MODERN PHYSICS A Volume: 33 Issue: 16 Article Number: 1850092 Published: JUN 10 2018

7,677. First measurement of  $\Xi(0)(c)$  production in pp collisions at  $\sqrt{s}=7\text{ TeV}$

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 8-19 Published: JUN 10 2018

7,678. Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76\text{ TeV}$

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 20-32 Published: JUN 10 2018

7,679. Holographic entanglement entropy and entanglement thermodynamics of 'black' non-susy D3 brane

By: Bhattacharya, Aranya; Roy, Shibaji

PHYSICS LETTERS B Volume: 781 Pages: 232-237 Published: JUN 10 2018

7,680. Search for excited quarks of light and heavy flavor in gamma plus jet final states in proton-proton collisions at  $\sqrt{s}=13\text{ TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 390-411 Published: JUN 10 2018

7,681. Measurement of angular parameters from the decay  $B^0 \rightarrow K^{*0} \mu^+ \mu^-$  in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 517-541 Published: JUN 10 2018

7,682. Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 574-600 Published: JUN 10 2018

7,683. Asp72 of pro-peptide is an important pH sensor in the zymogen activation process of papain: a structural and mechanistic insight

By: Roy, Sumana; Biswas, Sampa

CURRENT SCIENCE Volume: 114 Issue: 11 Pages: 2356-2362 Published: JUN 10 2018

7,684. A Compton suppressed detector multiplicity trigger based digital DAQ for gamma-ray spectroscopy

By: Das, S.; Samanta, S.; Banik, R.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS

SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 893 Pages: 138-145

Published: JUN 11 2018

7,685. Gutzwiller projection for exclusion of holes: Application to strongly correlated ionic Hubbard model and binary alloys

By: Chattopadhyay, Anwesha; Garg, Arti

PHYSICAL REVIEW B Volume: 97 Issue: 24 Article Number: 245114 Published: JUN 11 2018

7,686. Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 24 Article Number: 241801 Published: JUN 11 2018

7,687. Bose-Einstein correlations in pp, pPb, and PbPb collisions at  $\sqrt{s(NN)}=0.9-7$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 6 Article Number: 064912 Published: JUN 14 2018

7,688. Magnetic properties and large reversible magnetocaloric effect in Er<sub>3</sub>Pd<sub>2</sub>

By: Maji, Bibekananda; Ray, Mayukh K.; Modak, M.; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 456 Pages: 236-240 Published: JUN 15 2018

7,689. Synthesis of finest superparamagnetic carbon-encapsulated magnetic nanoparticles by a plasma expansion method for biomedical applications

By: Sarma, Lavita; Aomoa, N.; Sarmah, Trinayan; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 749 Pages: 768-775 Published: JUN 15 2018

7,690. Facile One-Pot Synthesis of Yolk-Shell Structured Ni Doped Mesoporous Silica and Its Application in Enzyme-Free Glucose Sensor

By: Pal, Nabanita; Banerjee, Sangam; Choi, Eunji; et al.

CHEMISTRYSELECT Volume: 3 Issue: 22 Pages: 6029-6034 Published: JUN 15 2018

7,691. Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton plus jets events from pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 11 Article Number: 112003 Published: JUN 15 2018

7,692.  $\rho(0)$  -  $\omega$  mixing in the presence of a weak magnetic field

By: Mandal, Mahatsab; Mukherjee, Arghya; Ghosh, Snigdha; et al.

EUROPEAN PHYSICAL JOURNAL A Volume: 54 Issue: 6 Article Number: 99 Published: JUN 18 2018

7,693. Consequences of minimal seesaw with complex mu tau antisymmetry of neutrinos

By: Samanta, Rome; Roy, Probir; Ghosal, Ambar

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 085 Published: JUN 18 2018

7,694. N=3 harmonic supersymmetric Wilson loop

By: Huang, Yu-tin; Jain, Dharmesh

PHYSICAL REVIEW D Volume: 97 Issue: 12 Article Number: 125015 Published: JUN 19 2018

7,695. Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 509 Published: JUN 20 2018

7,696. Search for  $t(\bar{t})$  production in the all-jet final state in proton-proton collisions  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 101 Published: JUN 20 2018



7,697. Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 102 Published: JUN 20 2018

7,698. Crystal-defect-induced facet-dependent electrocatalytic activity of 3D gold nanoflowers for the selective nanomolar detection of ascorbic acid

By: De, Sandip Kumar; Mondal, Subrata; Sen, Pintu; et al.

NANOSCALE Volume: 10 Issue: 23 Pages: 11091-11102 Published: JUN 21 2018

7,699. Pattern formation on ion-irradiated Si surface at energies where sputtering is negligible

By: Lopez-Cazalilla, A.; Chowdhury, D.; Ilinov, A.; et al.

JOURNAL OF APPLIED PHYSICS Volume: 123 Issue: 23 Article Number: 235108 Published: JUN 21 2018

7,700. Measurements of the  $pp \rightarrow ZZ$  production cross section and the  $Z \rightarrow 4l$  branching fraction, and constraints on anomalous triple gauge couplings at  $\sqrt{s} = 13$  TeV (vol 78, 165, 2018)

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 515 Published: JUN 22 2018

7,701. Confronting kahler moduli inflation with CMB data

By: Bhattacharya, Sukannya; Dutta, Koushik; Gangopadhy, Mayukh Raj; et al.

PHYSICAL REVIEW D Volume: 97 Issue: 12 Article Number: 123533 Published: JUN 22 2018

7,702. Search for high-mass resonances in dilepton final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 120 Published: JUN 22 2018

7,703. Search for high-mass resonances in final states with a lepton and missing transverse momentum at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): Cms Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 128 Published: JUN 25 2018

7,704. Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 127 Published: JUN 25 2018

- 7,705. Majorana flipping of quarkonium spin states in transient magnetic field  
By: Dutta, Nirupam; Mazumder, Surasree  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 525 Published: JUN 26 2018
- 7,706. Scale invariance with fundamental matters and anomaly: a holographic description  
By: Banerjee, Avik; Kundu, Arnab; Ray, Augniva  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 144 Published: JUN 26 2018
- 7,707. Negative parity three-quasiparticle band in I-127  
By: Chakraborty, S.; Sharma, H. P.; Tiwary, S. S.; et al.  
EUROPEAN PHYSICAL JOURNAL A Volume: 54 Issue: 6 Article Number: 112 Published: JUN 28 2018
- 7,708. Large low-field magnetic refrigeration in ferromagnetic insulator EuTiO<sub>3</sub>  
By: Roy, S.; Das, M.; Mandal, P.  
PHYSICAL REVIEW MATERIALS Volume: 2 Issue: 6 Article Number: 064412 Published: JUN 29 2018
- 7,709. Generation and transport of runaway electrons during sawteeth crash in the ADITYA tokamak  
By: Raj, Harshita; Ghosh, J.; Tanna, R. L.; et al.  
Group Author(s): ADITYA Team  
NUCLEAR FUSION Volume: 58 Issue: 7 Article Number: 076004 Published: JUL 2018
- 7,710. Converter target chemistry - A new challenge to radioanalytical chemistry  
By: Choudhury, Dibyasree; Lahiri, Susanta  
APPLIED RADIATION AND ISOTOPES Volume: 137 Pages: 33-40 Published: JUL 2018
- 7,711. Impact of ambient environment on the electronic structure of CuPc/Au sample  
By: Sinha, S.; Mukherje, M.  
INDIAN JOURNAL OF PHYSICS Volume: 92 Issue: 7 Pages: 841-846 Published: JUL 2018
- 7,712. Endosomal sorting complexes required for ESCRTing cells toward death during neurogenesis, neurodevelopment and neurodegeneration  
By: Kaul, Zenia; Chakrabarti, Oishee  
TRAFFIC Volume: 19 Issue: 7 Pages: 485-495 Published: JUL 2018
- 7,713. Connecting localization and wall-crossing via D-branes  
By: Chang, Chih-Kai; Chen, Heng-Yu; Jain, Dharmesh; et al.  
NUCLEAR PHYSICS B Volume: 932 Pages: 298-322 Published: JUL 2018
- 7,714. Selective Oxidation of Biomass-Derived Alcohols and Aromatic and Aliphatic Alcohols to Aldehydes with O<sub>2</sub>/Air Using a RuO<sub>2</sub>-Supported Mn<sub>3</sub>O<sub>4</sub> Catalyst  
By: Sarmah, Bhaskar; Satpati, Biswarup; Srivastava, Rajendra

ACS OMEGA Volume: 3 Issue: 7 Pages: 7944-7954 Published: JUL 2018

7,715. Structure-activity relationship of heme and its analogues in membrane damage and inhibition of fusion

By: Das, Debashree; Tarafdar, Pradip K.; Chakrabarti, Abhijit

FEBS LETTERS Volume: 592 Issue: 14 Pages: 2458-2465 Published: JUL 2018

7,716. Quasilocal first law of black hole dynamics from local Lorentz transformations

By: Chatterjee, Ayan; Ghosh, Avirup

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 550 Published: JUL 5 2018

7,717. Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 032 Published: JUL 5 2018

7,718.  $\phi$  meson production at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Acharya, S.; Acosta, F. -T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 559 Published: JUL 7 2018

7,719. Measurement of the inclusive J/ $\psi$  polarization at forward rapidity in pp collisions at  $\sqrt{s}=8$  TeV

By: Acharya, S.; Acosta, F-T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 562 Published: JUL 9 2018

7,720. Measurement of b hadron lifetimes in pp collisions at  $\sqrt{s} = 8$ TeV (vol 78, 2018)

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 561 Published: JUL 9 2018

7,721. Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 566 Published: JUL 10 2018

7,722. Abrupt phase change of the core rotation in the Sm-143 nucleus

By: Rajbanshi, S.; Raut, R.; Pai, H.; et al.

PHYSICS LETTERS B Volume: 782 Pages: 143-148 Published: JUL 10 2018

7,723. Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 782 Pages: 440-467 Published: JUL 10 2018

7,724. Nuclear modification factor of D-0 mesons in PbPb collisions at root s(NN)=5.02 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 782 Pages: 474-496 Published: JUL 10 2018

7,725. Observation of multiple doubly degenerate bands in Tl-195

By: Roy, T.; Mukherjee, G.; Asgar, Md. A.; et al.

PHYSICS LETTERS B Volume: 782 Pages: 768-772 Published: JUL 10 2018

7,726. Search for a heavy resonance decaying into a Z boson and a vector boson in the  $v(\nu)\overline{b}q(\overline{q})$  final state

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 075 Published: JUL 11 2018

7,727. Anisotropic transverse magnetoresistance and Fermi surface in TaSb<sub>2</sub>

By: Pariari, Arnab; Singha, Ratnadwip; Roy, Shubhankar; et al.

SCIENTIFIC REPORTS Volume: 8 Article Number: 10527 Published: JUL 12 2018

7,728. Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A

By: Aartsen, M. G.; Ackermann, M.; Adams, J.; et al.

Group Author(s): IceCube Collaboration; IceCube Collaboration; Fermi-LAT Collaboration; et al.

SCIENCE Volume: 361 Issue: 6398 Pages: 146-+ Published: JUL 13 2018

7,729. Defects characterization and study of amorphous phase formation in  $xV(2)O(5)-(1-x)Nd2O3$  binary glass nanocomposites using positron annihilation and correlated experimental techniques

By: Das, Anindya Sundar; Roy, Madhab; Roy, Debasish; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 753 Pages: 748-760 Published: JUL 15 2018

7,730. Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at root s(NN)=5.02 and 2.76 TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 103 Published: JUL 16 2018

7,731. Search for a singly produced third-generation scalar leptoquark decaying to a tau lepton and a bottom quark in proton-proton collisions at root s=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 115 Published: JUL 18 2018

7,732. Collapse of ferromagnetism with Ti doping in Sm<sub>0.55</sub>Sr<sub>0.45</sub>MnO<sub>3</sub>

By: Sarkar, Prosenjit; Khan, Nazir; Pradhan, Kalpataru; et al.

PHYSICAL REVIEW B Volume: 98 Issue: 1 Article Number: 014422 Published: JUL 20 2018

7,733. Electroweak production of two jets in association with a Z boson in proton-proton collisions  
root s =13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 589 Published: JUL 20 2018

7,734. Electronic structure of twisted and planar rubrene molecules: a density functional study

By: Mukherjee, T.; Sinha, Sumona; Mukherjee, M.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 20 Issue: 27 Pages: 18623-18629 Published: JUL 21 2018

7,735. Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration; CMS Collaboration; TOTEM Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 153 Published: JUL 24 2018

7,736. Inclusive J/psi production at forward and backward rapidity in p-Pb collisions at root s(NN)=8.16 TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 160 Published: JUL 25 2018

7,737. Measurement of the inelastic proton-proton cross section at root s=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 161 Published: JUL 25 2018

7,738. Coexistence of principal and tilted axis rotation in Ag-110

By: Das, B.; Datta, P.; Chattopadhyay, S.; et al.

PHYSICAL REVIEW C Volume: 98 Issue: 1 Article Number: 014326 Published: JUL 27 2018

7,739. Crystal-defect-induced facet-dependent electrocatalytic activity of 3D gold nanoflowers for the selective nanomolar detection of ascorbic acid (vol 10, pg 11091, 2018)

By: De, Sandip Kumar; Mondal, Subrata; Sen, Pintu; et al.

NANOSCALE Volume: 10 Issue: 28 Pages: 13792-13792 Published: JUL 28 2018

7,740. Growth, structural evolution and electronic properties of ultrathin films of Sn on W(110)

By: Chakraborty, Suvankar; Menon, Krishnakumar S. R.

SURFACE SCIENCE Volume: 674 Pages: 79-86 Published: AUG 2018

7,741. Oligomers of human histone chaperone NPM1 alter p300/KAT3B folding to induce autoacetylation

By: Kaypee, Stephanie; Sahadevan, Smitha Asoka; Sudarshan, Deepthi; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1862 Issue: 8 Pages: 1729-1741

Published: AUG 2018

7,742. Spectroscopy of low lying states in Sm-150

By: Saha, A.; Bhattacharjee, T.; Alam, S. S.; et al.

NUCLEAR PHYSICS A Volume: 976 Pages: 1-22 Published: AUG 2018

7,743. Tuning of accelerator and curing system in devulcanized green natural rubber compounds

By: Ghorai, Soumyajit; Jalan, Arun Kumar; Roy, Madhusudan; et al.

POLYMER TESTING Volume: 69 Pages: 133-145 Published: AUG 2018

7,744. Precision pulsar timing with the ORT and the GMRT and its applications in pulsar astrophysics

By: Joshi, Bhal Chandra; Arumugasamy, Prakash; Bagchi, Manjari; et al.

JOURNAL OF ASTROPHYSICS AND ASTRONOMY Volume: 39 Issue: 4 Article Number: 51

Published: AUG 2018

7,745. Dynamical model calculation to reconcile the nuclear fission lifetime from different measurement techniques

By: Kannan, M. T. Senthil; Sadhukhan, Jhilam; Agrawal, B. K.; et al.

PHYSICAL REVIEW C Volume: 98 Issue: 2 Article Number: 021601 Published: AUG 2 2018

7,746. Continuous Uptake or Saturation-Investigation of Concentration and Surface-Packing-Specific Heroin Interaction with Lipid Membranes

By: Giri, R. P.; Mukhopadhyay, M. K.; Basak, U. K.; et al.

JOURNAL OF PHYSICAL CHEMISTRY B Volume: 122 Issue: 30 Pages: 7547-7554 Published: AUG 2 2018

7,747. Planar Hall effect in the type-II Dirac semimetal VAl<sub>3</sub>

By: Singha, Ratnadwip; Roy, Shubhankar; Pariari, Arnab; et al.

PHYSICAL REVIEW B Volume: 98 Issue: 8 Article Number: 081103 Published: AUG 3 2018

7,748. Record-breaking statistics near second-order phase transitions

By: Kundu, Mily; Mukherjee, Sudip; Biswas, Soumyajyoti

PHYSICAL REVIEW E Volume: 98 Issue: 2 Article Number: 022103 Published: AUG 3 2018

7,749. Structure of Be-13 studied in proton knockout from B-14

By: Ribeiro, G.; Nacher, E.; Tengblad, O.; et al.

Group Author(s): R3B Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 2 Article Number: 024603 Published: AUG 3 2018

7,750. Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 011 Published: AUG 3 2018

7,751. Neutral pion and eta meson production in p-Pb collisions at  $\sqrt{S_{NN}}=5.02$  TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 8 Article Number: 624 Published: AUG 6 2018

7,752. A Fluorescence Correlation Spectrometer for Measurements in Cuvettes

By: Sahoo, Bankanidhi; Sil, Timir Baran; Karmakar, Biswajit; et al.

BIOPHYSICAL JOURNAL Volume: 115 Issue: 3 Pages: 455-466 Published: AUG 7 2018

7,753. Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 016 Published: AUG 7 2018

7,754. The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration

By: Ansoldi, S.; Antonelli, L. A.; Arcaro, C.; et al.

ASTROPHYSICAL JOURNAL LETTERS Volume: 863 Issue: 1 Article Number: L10 Published: AUG 10 2018

7,755. Energy evolution of channel coupling for the system Li-6 + Ni-64 at near-barrier energies

By: Shaikh, Md Moin; Roy, Subinit

PHYSICAL REVIEW C Volume: 98 Issue: 2 Article Number: 024610 Published: AUG 10 2018

7,756. Constraints on jet quenching in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions

By: Acharya, S.; Collaboration, A. L. I. C. E.; Adamova, D.; et al.

PHYSICS LETTERS B Volume: 783 Pages: 95-113 Published: AUG 10 2018

7,757. Search for R-parity violating supersymmetry in pp collisions at  $\sqrt{s}=13$  TeV using bjets in a final state with a single lepton, many jets, and high sum of large-radius jet masses

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): Collaboration, C

PHYSICS LETTERS B Volume: 783 Pages: 114-139 Published: AUG 10 2018

7,758. Slow fission of highly excited plutonium nuclei

By: Sikdar, A. K.; Ray, A.; Pandit, Deepak; et al.

PHYSICAL REVIEW C Volume: 98 Issue: 2 Article Number: 024615 Published: AUG 14 2018

7,759. Cation Exchange Mediated Synthesis and Tuning of Bimodal Plasmon in Alloyed Ternary  $\text{Cu}_3\text{BiS}_3$ -xSex Nanorods

By: Paul, Sumana; Ghosh, Sirshendu; Dalal, Biswajit; et al.

CHEMISTRY OF MATERIALS Volume: 30 Issue: 15 Pages: 5020-5031 Published: AUG 14 2018

7,760. Biomonitoring role of some cellular markers during heat stress-induced changes in highly representative fresh water mollusc, *Bellamya bengalensis*: Implication in climate change and biological adaptation

By: Dutta, Sangita Maiti; Mustafi, Soumyajit Banerjee; Raha, Sanghamitra; et al.

ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 157 Pages: 482-490 Published: AUG 15 2018

7,761. Magnetic and magnetocaloric properties in polycrystalline  $\text{La}_{0.2}\text{Gd}_{0.5}\text{Ba}_{0.3}\text{MnO}_3$  compound

By: Saha, Suvayan; Das, Kalipada; Bandyopadhyay, Sudipta; et al.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 460 Pages: 165-170 Published: AUG 15 2018

7,762. Large magnetoresistance and relative cooling power in polycrystalline  $\text{Pr}_{0.775}\text{Sr}_{0.225}\text{MnO}_3$  compound

By: Banik, Sanjib; Das, I.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 460 Pages: 234-238 Published: AUG 15 2018

7,763. Reappraisal of constraints on  $Z'$  models from unitarity and direct searches at the LHC

By: Bandyopadhyay, Triparno; Bhattacharyya, Gautam; Das, Dipankar; et al.

PHYSICAL REVIEW D Volume: 98 Issue: 3 Article Number: 035027 Published: AUG 16 2018

7,764. Search for beyond the standard model Higgs bosons decaying into a  $b(\bar{b})$  pair in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 113 Published: AUG 20 2018

7,765. Search for narrow and broad dijet resonances in proton-proton collisions at  $\sqrt{s}=13$  TeV and constraints on dark matter mediators and other new particles

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 130 Published: AUG 21 2018

7,766. Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p plus Pb Collisions at  $\sqrt{NN}$ - $N-s=8.16$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration



PHYSICAL REVIEW LETTERS Volume: 121 Issue: 8 Article Number: 082301 Published: AUG 21 2018

7,767. Electronic structure of a buried two-dimensional antiferromagnetic layer: Experimental and theoretical investigation of Ag/Cr/Ag(001)

By: Das, Jayanta; Biswas, Sananda; Ulman, Kanchan; et al.

PHYSICAL REVIEW B Volume: 98 Issue: 7 Article Number: 075137 Published: AUG 23 2018

7,768. Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 152 Published: AUG 23 2018

7,769. Freezing-in dark matter through a heavy invisible  $Z'$

By: Bhattacharyya, Gautam; Dutra, Maira; Mambrini, Yann; et al.

PHYSICAL REVIEW D Volume: 98 Issue: 3 Article Number: 035038 Published: AUG 27 2018

7,770. Observation of the  $\chi(b1)(3P)$  and  $\chi(b2)(3P)$  and Measurement of their Masses

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 9 Article Number: 092002 Published: AUG 29 2018

7,771. Quantum Field Theories on Lattice: (i) QCD Topology, and (ii) Non-perturbative Gauge-Fixing  
By: De, Asit K.

FEW-BODY SYSTEMS Volume: 59 Issue: 5 Article Number: UNSP 103 Published: SEP 2018

7,772. Exploring the major cross-talking edges of competitive endogenous RNA networks in human Chronic and Acute Myeloid Leukemia

By: Sen, Kamalika; Bhattacharyya, Dhananjay; Sarkar, Arijita; et al.

BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS Volume: 1862 Issue: 9 Pages: 1883-1892  
Published: SEP 2018

7,773. NiO-CNT composite for high performance supercapacitor electrode and oxygen evolution reaction

By: Roy, Atanu; Ray, Apurba; Saha, Samik; et al.

ELECTROCHIMICA ACTA Volume: 283 Pages: 327-337 Published: SEP 1 2018

7,774. Production and separation of no-carrier-added Re181-184 radioisotopes from proton irradiated tungsten target

By: Choudhury, Dibyasree; Naskar, Nabanita; Lahiri, Susanta

RADIOCHIMICA ACTA Volume: 106 Issue: 9 Pages: 743-749 Published: SEP 2018

7,775. Structural changes in cellular membranes induced by ionic liquids: From model to bacterial membranes

By: Bhattacharya, G.; Giri, R. P.; Dubey, A.; et al.

CHEMISTRY AND PHYSICS OF LIPIDS Volume: 215 Pages: 1-10 Published: SEP 2018

7,776. Beta catenin is regulated by its subcellular distribution and mutant huntingtin status in Huntington's disease cell STHdhQ111/HdhQ111

By: Ghatak, Supratim; Raha, Sanghamitra

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 503 Issue: 1 Pages: 359-364 Published: SEP 3 2018

7,777. Chain-length dependence of lipophilic force: comparison with the two-body van der Waals' force

By: Choudhuri, Madhumita; Datta, Alokmay

JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 30 Issue: 35 Article Number: 355002  
Published: SEP 5 2018

7,778. Polarization rotation with electromagnetically induced transparency in a V-type configuration of Rb D-1 and D-2 transitions

By: Das, Arpita; Das, Bankim Chandra; Bhattacharyya, Dipankar; et al.

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 51 Issue: 17 Article Number: 175502 Published: SEP 14 2018

7,779. Charge carrier dynamics of Earth abundant co-catalyst (Ni) modified nanorod arrays for enhanced water splitting

By: Swain, Smrutirekha; Sahu, Aditya P.; Mishra, Biswajit; et al.

SURFACE & COATINGS TECHNOLOGY Volume: 349 Pages: 540-546 Published: SEP 15 2018

7,780. Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe<sub>3</sub>O<sub>4</sub> nanoparticle hybrid based supercapacitor

By: Pal, Shreyasi; Majumder, Sumit; Dutta, Shibsankar; et al.

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 51 Issue: 37 Article Number: 375501  
Published: SEP 19 2018

7,781. Revealing multimode resistive switching in Cu-O nanostructures using conductive atomic force microscopy

By: Kumar, Mohit; Satpati, Biswarup; Som, Tapobrata

APPLIED SURFACE SCIENCE Volume: 454 Pages: 82-86 Published: OCT 1 2018

7,782. Facile synthesis of ZnO nanoplates and nanoparticle aggregates for highly efficient photocatalytic degradation of organic dyes

By: Sahu, Kavita; Kuriakose, Sini; Singh, Jaspal; et al.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 121 Pages: 186-195 Published: OCT 2018

7,783. The broad-band properties of the intermediate synchrotron peaked BL Lac S2 0109+22 from radio to VHE gamma-rays

By: Ansoldi, S.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): MAGIC Collaboration; Fermi-LAT Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 480 Issue: 1 Pages: 879-892

Published: OCT 2018

7,784. Structural and electronic properties of V/Ag(001) films: Effects of substrate temperature and film thickness

By: Kundu, Asish K.; Menon, Krishnakumar S. R.

APPLIED SURFACE SCIENCE Volume: 456 Pages: 845-853 Published: OCT 31 2018

7,785. Limits on the flux of tau neutrinos from 1 PeV to 3 EeV with the MAGIC telescopes

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

ASTROPARTICLE PHYSICS Volume: 102 Pages: 77-88 Published: NOV 2018

7,786. Evolution of surface antiferromagnetic Neel temperature with film coverage in ultrathin MnO films on Ag(001)

By: Kundu, Asish K.; Barman, Sukanta; Menon, Krishnakumar S. R.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 466 Pages: 186-191 Published:

NOV 15 2018

7,787. Effect of oxygen content on the electrical properties of sputter deposited vanadium oxide thin-films

By: Rakshit, Abhishek; Mukherjee, Manabendra; Chakraborty, Supratic

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 88 Pages: 127-131 Published: DEC

2018