

1. R. P. Adak, S. Biswas, S. Das, D. Ghosal, S. K. Ghosh, A. Mondal, D. Nag, T. K. Nayak, R. N. Patra, S. K Prasad, S. Raha, P. K. Sahu, S. Sahu and S. Swain “*Long-term stability test of a triple GEM detector*”, 2016 JINST 11 T10001.
2. Md. Sabir Ali, Ayan Ray and Alok Chakrabarti, European Physics Journal DDOI:10.1140 /epjd / e2014-50684-2 (2015).
3. Md. Sabir Ali, Ayan Ray, Alok Chakrabarti, “*Double dark resonance in inverted Y system and its application in attenuating optical switching action*”, The European physical journal D (2016) 70:27.
4. ALICE COLLABORATION, “*Anisotropic flow of charged particles in Pb-Pb collisions at TeV*”, Phys. Rev. Lett. 116 (2016) 132302
5. ALICE COLLABORATION, “*Inclusive quarkonium production at forward rapidity in pp collisions at TeV*”, Eur. Phys. J. C 76 (2016) 184
6. ALICE COLLABORATION, “*Charge-dependent flow and the search for the Chiral Magnetic Wave in Pb-Pb collisions at = 2.76 TeV*”, Phys. Rev. C 93 (2016) 044903
7. ALICE COLLABORATION, “*Production of K(892) and (1020) in p-Pb collisions at = 5.02 TeV*”, Eur. Phys. J. C 76 (2016) 245.
8. ALICE COLLABORATION, “*Multi-strange baryon production in p-Pb collisions at* ”, Phys. Lett. B 758 (2016) 389-401
9. ALICE COLLABORATION, “*Centrality dependence of charged jet production in p-Pb collisions at = 5.02 TeV*”, Eur. Phys. J. C76 (2016) 271
10. ALICE COLLABORATION, “*Particle identification in ALICE: a Bayesian approach*”, Eur. Phys. J. Plus 131 (2016) 168
11. ALICE COLLABORATION, “*Differential studies of inclusive J/ and (2S) production at forward rapidity in Pb-Pb collisions at = 2.76 TeV*”, JHEP 05 (2016) 179
12. ALICE COLLABORATION, “*Measurement of an excess in the yield of J/ at very low in Pb-Pb collisions at = 2.76 TeV*”, Phys.Rev.Lett. 116 (2016) 222301
13. ALICE COLLABORATION, “*Centrality dependence of the charged-particle multiplicity density at mid-rapidity in Pb-Pb collisions at = 5.02 TeV*”, Phys. Rev. Lett. 116 (2016) 222302
14. ALICE COLLABORATION, “*Centrality dependence of (2S) suppression in p-Pb collisions at = 5.02 TeV*”, JHEP 06 (2016) 50

15. ALICE COLLABORATION, “*Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at TeV*”, Phys. Lett. B 762 (2016) 376-388
16. ALICE COLLABORATION, “*Multiplicity dependence of charged pion, kaon, and (anti) proton production at large transverse momentum in p-Pb collisions at = 5.02 TeV*”, Phys. Lett. B 760 (2016) 720.
17. ALICE COLLABORATION, “*Measurement of D-meson production versus multiplicity in p-Pb collisions at TeV*”, JHEP 8 (2016) 1-44
18. ALICE COLLABORATION, “*Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at = 2.76 TeV*”, JHEP 09 (2016) 028
19. ALICE COLLABORATION, “*Measurement of transverse energy at midrapidity in Pb-Pb collisions at TeV*”, Phys. Rev. C 94 (2016) 034903
20. ALICE COLLABORATION, “*Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at = 2.76 TeV*”, JHEP 1609 (2016) 164
21. ALICE COLLABORATION, “*Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV*”, PLB 763 (2016) 238-250
22. ALICE COLLABORATION, “Correlated event-by-event fluctuations of flow harmonics in Pb-Pb collisions at TeV”, Phys.Rev.Lett. 117 (2016) 182301
23. R. Baishya, D. K. Nayak, S. Karmakar, S. Chattopadhyay, S. Sachdev, B.R. Sarkar, S. Ganguly, M. Chatterjee Debnath, “*Synthesis and Evaluation of Technetium-99m- Labeled Bioreductive Pharmacophores Conjugated with Amino Acids and Peptides for Tumor Imaging*”, Chem. Biol. & Drug Design. 85 (4) (2015) 504.
24. Rinku Baishya, Dipak K. Nayak, Deepak Kumar, & Samarendu Sinha, & Amit Gupta, & Shantanu Ganguly, Mita Chatterjee Debnath, “*Ursolic Acid Loaded PLGA Nanoparticles: in vitro and in vivo Evaluation to Explore Tumor Targeting Ability on B16F10 Melanoma Cell Lines*”, Pharmaceutical Research, ISSN 0724-8741, DOI 10.1007/s11095-016-1994-1.
25. S. Banerjee, A. Behera, K. De, S. Chattopadhyay, S.S.Sachdev, B. Sarkar, S. Ganguly, M. Misra, “*Synthesis, Characterization, biodistribution and scintigraphy of ^{99m}Tc- paclitaxel: a potential tracer of paclitaxel*”, J. Radioanal. Nucl. Chem. 304. (2015) 633.
26. D. Banerjee, A. Saha, T. Bhattacharjee, R. Guin, S. K. Das, P. Das, Deepak Pandit, A. Mukherjee, A. Chowdhury, Soumik Bhattacharya, S. Das Gupta, S. Bhattacharyya, P. Mukhopadhyay, and S. R. Banerjee, “*Role of p-induced population of medium-mass ($A \sim 150$) neutron-rich nuclei*”, Phys. Rev. C91, 024617 (2015).
27. I. Banerjee, K. De, D. Mukherjee, G. Dey, S. Chattopadhyay, M. Mukherjee, M. Mandal, A.K. Bandyopadhyay, A. Gupta, S. Ganguly, M. Misra, “*Paclitaxel-loaded solid lipid nanoparticles modified with Tyr-3-octreotide for enhanced anti-angiogenic and anti-glioma therapy*”, Acta biomaterialia. 38 (2016) 69.

28. Indranil Banerjee, Ashok Behera, Kakali De, Sankha Chattopadhyay, Satbir Singh Sachdev, Bharat Sarkar , Santanu Ganguly, Mridula Misra, “*Synthesis, characterization, biodistribution and scintigraphy of ^{99m}Tc -paclitaxel: a potential tracer of paclitaxel*”, Journal of Radio analytical Nuclear Chemistry (2015) 304, 633-643
29. Sumit Basu, Sandeep Chatterjee, Rupa Chatterjee, Tapan K. Nayak, and Basanta K. Nandi “*Specific heat of matter formed in relativistic nuclear collisions*”, PRC 94, 044901 (2016)
30. Sumit Basu, Tapan K. Nayak, and Kaustuv Datta, “*Beam energy dependence of pseudorapidity distributions of charged particles produced in relativistic heavy-ion collisions*” Phys. Rev. C 93, 064902 (2016).
31. Debasis Bhowmick, F. A. Khan, Debasis Atta, D. N. Basu, Alok Chakrabarti, “*Energy Dependence of Exotic Nuclei Production Cross Sections by Photofission Reaction in the GDR range*”, Can. J. Phys. 94 (2016) 243-248.
32. Debasis Bhowmick, Debasis Atta, D. N. Basu, Alok Chakrabarti, “*Yields of Neutron-Rich Nuclei by Actinide Photofission in the Giant Dipole Resonance Region*”, Phys. Rev. C91 (2015) 044611.
33. S. Biswas, R. Palit, A. Navin, M. Rejmund, A. Bisoi, M.S. Sarkar, S. Sarkar, S. Bhattacharyya, D.C. Biswas, M. Caamano, M.P. Carpenter, D. Choudhury, E. Clement, L.S. Danu, O. Delaune, F. Farget, G.de France, S.S. Hota, B. Jacquot, A. Lemasson, S. Mukhopadhyay, V. Nanal, R.G. Pillay, S. Saha, J. Sethi, P. Singh, P.C. Srivastava, S.K. Tandel “*Structure of $^{132}\text{Te}_8\text{o}$: The two-particle and two-hole spectrum of $^{132}\text{oSn}_{82}$* ”, PRC 93(2016) 034324.
34. A. Chakraborti, A. S. Patel, P. K. Kanaujia, P. Nath, G. V. Prakash, D. Sanyal , “*Resonance Raman scattering and ab initio calculation of electron energy loss spectra of MoS_2 nanosheets*” Phys. Lett. A 380 (2016) 4057.
35. A. Chaudhuri, A Sen, T. K. Ghosh, K. Banerjee, Jhilam Sadhukhan, S. Bhattacharya, P. Roy, T. Roy, C. Bhattacharya, Md A. Asgar, A. Dey, S. Kundu, S. Manna, J. K. Meena, G. Mukherjee, R. Pandey, T. K. Rana, V. Srivastava, R. Dubey, GurpreetKaur, N. Saneesh, P. Sugathan, P. Bhattacharya, “*Fission fragment mass distributions in reactions populating ^{200}Pb* ” Phys. Rev. C 94, 024617 (2016).
36. A. Chaudhuri, T. K. Ghosh, K. Banerjee, S. Bhattacharya, Jhilam Sadhukhan, S. Kundu, C. Bhattacharya, J. K. Meena, G. Mukherjee, A. K. Saha, Md A. Asgar, A .Dey, S. Manna, R. Pandey, T. K. Rana, P Roy, T Roy, V Srivastava, P Bhattacharya, D.C Biswas, B.N Joshi, K Mahata, A Shrivastava, R.P Vind, S Pal, B.R Behera, Varinderjit Singh, “*No influence of a $N=126$ neutron-shell closure in fission-fragment mass distributions*”, Phys. Rev. C 92, 041601 (R) (2016).
37. A. Chaudhuri, T. K. Ghosh, K. Banerjee, S. Bhattacharya, Jhilam Sadhukhan, C. Bhattacharya, S. Kundu, J. K. Meena, G. Mukherjee, R. Pandey, T. K. Rana, P. Roy, T. Roy, V. Srivastava, and P. Bhattacharya, “*Direct evidence of “washing out” of nuclear shell effects*”, Phys. Rev. C 91, 044620(2015).

38. Subikash Choudhury, Debojit Sarkat, Subhasis Chattopadhyay “*Testing of the coalescence mechanism in high energy heavy ion collisions using two-particle correlations with identified particle trigger*”, Phys. Rev. C 93, 054902 (2016).
39. J. Cyriac, R. M. Thankachan, B. Raneesh, P. M. G. Nambissan, D. Sanyal and N. Kalarikkal, “*Positron annihilation spectroscopic studies of Mn substitution-induced cubic to tetragonal transformation in ZnFe_{2-x}Mn_xO₄ (x = 0.0–2.0) spinel nanocrystallites*”. Phil. Mag. 95 (2015) 4000.
40. M. K. Das, Madhusmita, S. Chattopadhyay, S. S. Das, L. Barua, M. A Nayer, U. Kumar, A. De, “*Production and separation of ^{99m}Tc from cyclotron irradiated ^{100/natural}Mo targets: a new automated module for separation of ^{99m}Tc from molybdenum targets*”, J. Radioanal. Nucl. Chem. 310 (1) (2016) 423.
41. Anirban De, “*A Novel Design Methodology for Low Pass Filter Stage of a Voltage Source Inverter*”, Sadhana (Academy Proceedings in Engineering Sciences), Vol 41, No. 5, May 2016, pp 561-570.
42. Siddhartha Dechoudhury, Hemendra Kumar Pandey, Dipa Pratim Dutta, Vaishali Naik, Alok Chakrabarti, “*Coupler induced transverse kick and emittance growth in single cell elliptical cavities of 10 MeV Superconducting e-linac*”, Yu – Chiu Chao, Robert E. Laxdal, JINST 10 T03001 (2015).
43. S. Dey, N. Gayathri, M. Bhattacharya, P. Mukherjee, “*In Situ XRD Studies of the Process Dynamics During Annealing in Cold-Rolled Copper*”, Metallurgical and Materials Transactions A, 47 (12), (2016) 6281.
44. Asish Kumar Dhara, “*Signal amplification factor in stochastic resonance: an analytic non-perturbative approach*”, Physica D 303 (2015) 1-17.
45. A. Dutta Gupta, P. Mukherjee, N. Gayathri, P. Bhattacharyya, M. Bhattacharya, Apu Sarkar, S. Sen, M.K. Mitra. *Proton irradiation studies on pure Ti and Ti-6Al-4V*, Nuclear Inst. and Methods in Physics Research, B, 387, (2016) 63.
46. Rajesh Ganai, Arindam Roy, Kshitij Agarwal, Zubayer Ahammed, Subikash Choudhury, Subhasis Chattopadhyay , “*Fabrication and Characterisation of Oil-Free Large High Pressure Laminate Resistive Plate Chamber JINST*” 11 P04026, (2016).
47. U. Gangopadhyaya, S. Ghosh, S. Sarkar and S. Mitra, “*In-medium viscous coefficients of a hot hadronic gas mixture*”, Phys. Rev. C94 (2016) 044914.
48. Soumya Ganguly . Raghuvir H. Gaonkar . Samarendu Sinha . Amit Gupta . Dipankar Chatto- padhyay . Sankha Chattopadhyay. Satbir S. Sachdeva . Shantanu Ganguly . Mita C. Debnath, “*Fabrication of surfactant-free quercetin-loaded PLGA nanoparticles: evaluation of hepatoprotective efficacy by nuclear scintigraphy*”, Journal of Nanoparticle Research (2016) 18:196, DOI 10.1007/s11051-016-3504-0.
49. Raghuvir H. Gaonkar, Soumya Ganguly, Rinku Baishya, Saikat Dewanjee, Samarendu Sinha, Amit Gupta, Shantanu Ganguly, and Mita C. Debnath “*Exploring the Potential of ^{99m}Tc(CO)₃-Labeled Triazolyl Peptides for Tumor Diagnosis*” Cancer biotherapy and Radio pharmaceuticals volume 31, November 3, 2016.

50. Tapas Ghosh, Prasanta Karmakar and Biswarup Satpati, “*Electrochemical Ostwald Ripening and Surface Diffusion in Galvanic Displacement Reaction*”, Control over Particle Growth, RSC Advances 5, 94380 (2015).
51. S. Ghosh, A. Mukherjee, M. Mandal, S. Sarkar and P. Roy, “*Spectral properties of rho meson in a magnetic field*”, Phys. Rev. D94 (2016) 094043.
52. A. Goswami, P. Sing Babu, V. S. Pandit, “*Analysis of intense beam instability in a general quadrupole focusing channel with image charge effect.*” Nuclear Instruments and Methods in Physics Research. A 808, 141 (2015).
53. S. N. Guin, S. Banerjee, D. Sanyal, S. K. Pati, and K. Biswas, “*Origin of the order-disorder transition and the associated anomalous change of thermopower in AgBiS₂ nanocrystals: A combined experimental and theoretical study*” Inorganic Chem. 55 (2016) 6323.
54. S. N. Guin, D. Sanyal and K. Biswas “*Role of Order-Disorder Phase Transition and Band Gap Evolution on the Thermoelectric Properties of Nanocrystalline AgCuS*”, Chem. Sci. 7 (2016) 534.
55. S. Kaim, C. M. Petrache, A. Gargano, N. Itaco, T. Zerrouki, R. Leguillon, A. Astier, I. Deloncle, T. Konstantinopoulos, J. M. R'egis, D. Wilmsen, B. Melon, A. Nannini, C. Ducoin, D. Guinet, and T. Bhattacharjee “*High-spin spectroscopy of ¹³⁹Ce*”, Phys. Rev. C 91, 024318 (2015).
56. Prasanta Karmakar and Biswarup Satpati, “*The influence of projectile ion induced chemistry on surface pattern formation*”, J. Appl. Phys. 120, 025301 (2016).
57. F. A. Khan, Debasis Bhowmick, D. N. Basu, M. Farooq, Alok Chakrabarti, “*Comparison of Yields of Neutron-Rich Nuclei in Proton- and Photon- induced ²³⁸U Fission*”, Phys. Rev. C94 (2016) 054605.
58. Tapatee Kundu Roy, “*Assessing hardness and fracture toughness in sintered zinc oxide ceramics through indentation technique*”, Mat. Sci. & Engg. A, 640 (2015) 267-274.
59. P. V. Laveen, E. Prasad, N. Madhavan, S. Pal, J. Sadhukhan, S. Nath, J. Gehlot, A. Jhingan, K.M. Varier, R.G. Thomas, A.M. Vinodkumar, A. Shamlath, T. Varughese, P. Sugathan, B.R.S Babu, S. Appannababu, K.S. Golda, B.R. Behera, Varinderjit Singh, Rohit Sandal, A. Saxena, B.V. John, S. Kailas, “*Fusion measurements for the ¹⁸O+¹⁹⁴Pt reaction and search for neutron shell closure effects*”, Journal of Phys. G 42, 095105 (2015).
60. H. Luitel, A. Sarkar, M. Chakrabarti, S. Chattopadhyay, K. Asokan and D. Sanyal, “*Positron annihilation lifetime characterisation of oxygen ion irradiated rutile TiO₂*” Nuclear Instru.& Methods B 379 (2016) 215.
61. S. Mallik, F. Gulminelli and G. Chaudhuri, “*Finite-size effects on the phase diagram of the thermodynamical cluster model*”, Physical Review C 92, 064605 (2015).
62. S. Mallik and G. Chaudhuri, “*Liquid Gas Phase transition in hypernuclei*”, Physical Review C 91, 054603 (2015)
63. S. Mallik, G. Chaudhuri and S. Das Gupta, “*Hybrid model for studying nuclear multifragmentation around the Fermi energy domain, The case of central collisions of Xe on Sn*” Physical Review C 91, 044614 (2015)

64. S. Mallik, S. Das Gupta and G. Chaudhuri, “*Event simulations in a transport model for intermediate energy heavy ion collisions: Applications to multiplicity distributions*” Physical Review C 91, 034616 (2015)
65. S. Mallik, S. Das Gupta and G. Chaudhuri, “*Bimodality emerges from transport model calculations of heavy ion collisions at intermediate energy*”, Physical Review C 93 041603 (2016) (Rapid Communication)
66. Swagata Mandal, Rourab Paul, Suman sau, Amlan Chakrabarti, Subhasis Chattopadhyay “*A Novel Method for Soft Error Mitigation in FPGA Using Modified Matrix Mode*”, IEEE Embedded system letter, vol: 8, 2016.
67. Swagata Mandal, Rourab Paul, Suman sau, Amlan Chakrabarti, Subhasis Chattopadhyay, “*Efficient Dynamic Priority based soft error mitigation techniques for configuration memory of FPGA hardware*”, Elsevier Microprocessor & Microcontroller , 2016.
68. Anuraag Misra, A. Goswami, P. Sing Babu, S. Srivastava, and V. S. Pandit, “*Studies on space charge neutralization and emittance measurement of beam from microwave ion source.*” Review of Scientific Instruments 86, 113301 (2015);
69. S. Mitra, U Gangopadhyaya and S. Sarkar, “*Medium effects on the relaxation of dissipative flows in a hot pion gas*”, Phys. Rev. D91 (2015) 094012.
70. Mausumi Sengupta Mitra, P K Sarkar, T Bandyopadhyaya & D N Sharma, “*Empirical relation between energy and angular deviation of muons transmitted through thick slabs*”, Indian Journal of Pure & Applied Physics Vol. 54, November 2016, pp. 739-743.
71. S. Mitra, S. Ghosh, S. K. Das, S. Sarkar and J. Alam, “*Diffusion of hidden charm mesons in hadronic medium*”, Nucl. Phys. A951 (2016) 75.
72. Debasish Mondal, Deepak Pandit, S. Mukhopadhyay, Surajit Pal, Srijit Bhattacharya, A. De, Soumik Bhattacharya, S.Bhattacharyya, Balaram Dey, Pratap Roy, K. Banerjee “*Exclusive measurement of isospin mixing at high temperature in ^{32}S* ”, PLB. 763 (2016) p422-426.
73. Maitreyee Mukherjee, Sumit Basu, Subikash Choudhury, Tapan K. Nayak, J. Phys. G: Nucl “*Fluctuations in Charged Particle Multiplicities in Relativistic Heavy-Ion Collisions*”. Part. Phys. 43, 085102 (2016).
74. P. Nath, D. Sanyal and D. Jana, “*Ab-initio calculation of optical properties of AA-stacked bilayer graphene with tunable layer separation*”. Curr. Appl. Phys. 15 (2015) 691
75. P. Nath, D. Sanyal and D. Jana, “*Optical properties of transition metal atom absorbed grapheme: A density functional theoretical calculation*”. Physica E 69 (2015) 306
76. A. Navin, M. Rejmund, S. Bhattacharyya, R. Palit, G.H. Bhat, J.A. Sheikh, A. Lemasson, S. Bhattacharya, M. Caamano, E. Clement, O. Delaune, F. Farget, G. de France, B. Jacquot, “*Evolution of triaxial shapes at large isospin: Rh isotopes*”, PLB (2016) <http://dx.doi.org/10.1016/j.physletb.2016.11.020>.

77. S. Pal, A. Sarkar, D. Sanyal, T. Rakshit, D. Kanjilal, P. Kumar, S. K. Ray, D. Jana, “Native defects and optical properties of Ar ion irradiated ZnO”, *Adv. Mater. Lett.* 6(4) (2015) 365.
78. R. K. Panda, R. Muduli, G. Jayarao, D. Sanyal and D. Behera, “Effect of Cr³⁺ substitution on electric and magnetic properties of cobalt ferrite nanoparticles”, *J Alloys & Compd.* 669 (2016) 19.
79. K. Parial, R. Guin and D. Sengupta, “Monitoring of Radionuclide migration around Kolaghat Thermal Power Plant, West Bengal, India”, Accepted in Journal of Radioanalytical and Nuclear Chemistry (DOI: 10.1007/s10967-015-4152-z).
80. Rajendra Nath Patra, Amit Nanda, Sharmili Rudra, P. Bhattacharya, Sumanya Sekhar Sahoo, S. Biswas, B. Mohanty, T.K. Nayak, P.K. Sahu, S. Sahu “Characterisations of GEM detector prototype”, *Nucl. Instrum. Meth. A* 824 (2016) 501-503.
81. S. Rajbanshi, S. Ali, A. Bisoi, S. Nag, S. Saha, J. Sethi, T. Bhattacharjee, S. Bhattacharyya, S. Chattopadhyay, G. Gangopadhyay, G. Mukherjee, R. Palit, R. Raut, M.S. Sarkar, A.K. Singh, T. Trivedi, A. Goswami “Shears mechanism and development of collectivity in ¹⁴¹Sm”, *PRC* 94(2016)044318.
82. S. Rajbanshi, S. Roy, Somnath Nag, Abhijit Bisoi, S. Saha, J. Sethi, T. Bhattacharjee, S. Bhattacharyya, S. Chattopadhyay, G. Gangopadhyay, G. Mukherjee, R. Palit, R. Raut, M. Saha Sarkar, A.K. Singh, T. Trivedi, A. Goswami, “Antimagnetic rotation and sudden change of electric quadrupole transition strength in ¹⁴³Eu”, *Phys. Lett. B* 748 (2015) 387.
83. M. Rejmund, A. Navin, S. Bhattacharyya, M. Caamano, E. Clement, O. Delaune, F. Farget, G. de France, B. Jacquot, A. Lemasson “Structural changes at large angular momentum in neutron-rich ^U/¹²³Cd”, *PRC* 93 (2016) 024312.
84. Y. N. Rao, D. Banerjee , A. Datta , S. K. Das and A. Saha, “Low Temperature Synthesis of Ag@anatase HO₂ nanocomposites through Controlled Hydrolysis and Improved Degradation of Toxic Malachite Green under both Ultra-violet and Visible Light”, *RSCAdv.*, 6, 49083 (2016).
85. T. R. Routray, X. Viñas, D. N. Basu, S. P. Pattnaik, M. Centelles, L. B. Robledo, B. Behera, “Exact versus Taylor-expanded Energy Density in the Study of the Neutron Star Crust-Core Transition”, *J. Phys. G* 43 (2016) 105101.
86. T. Roy, G. Mukherjee, N. Madhavan, T.K. Rana, Soumik Bhattacharya, Md.A. Asgar, I. Bala, K. Basu, S.S. Bhattacharjee, C. Bhattacharya, S. Bhattacharya, S. Bhattacharyya, J. Gehlot, S.S. Ghugre, R.K. Gurjar, A. Jhingan, R. Kumar, S. Muralithar, S. Nath, H. Pai,c, R. Palit, R. Raut, R.P. Singh, A.K. Sinha, and T. Varughese, “A new high-spin isomer in ¹⁹⁵Bi”, *Eur. Phys. J. A* 51 (2015) 153.
87. Jhilam Sadhukhan, Witold Nazarewicz, Nicolas Schunck, “Microscopic modeling of mass and charge distributions in the spontaneous fission of ²⁴⁰Pu”, *Phys. Rev. C* 93, 011304 (R)(2016).
88. Jhilam Sadhukhan, K. Mazurek, J. Dobaczewski, W. Nazarewicz, J. A. Sheikh, A. Baran, “Multidimensional Skyrme-density functional study of the spontaneous fission of ²³⁸U” *Acta Phys. Pol.* 46, 575 (2015).

89. Rohit Sandal, B. R. Behera, Varinderjit Singh, Maninder Kaur, A. Kumar, Gurpreet Kaur, P. Sharma, N. Madhavan, S. Nath, J. Gehlot, A. Jhingan, K. S. Golda, Hardev Singh, S. Mandal, S. Verma, E. Prasad, K. M. Varier, A. M. Vinodkumar, A. Saxena, Jhilam Sadhukhan, and Santanu Pal, “*Probing nuclear dissipation via evaporation residue excitation functions for the $^{16,18}O^+ + ^{198}Pt$ reactions*”, Phys. Rev. C 91, 044621 (2015).
90. A. Sarkar, D. Sanyal, S. Dechoudhury, D. Bhowmick, T. Rakshit and A. Chakrabarti, “*Theoretical and experimental investigation of possible ferromagnetic ordering in wide band gap ZnO and related systems*”, Nuclear Instru.& Methods B 379 (2016) 18.
91. A. Sarkar, D. Sanyal, P. Nath, M. Chakrabarti, S. Pal, S. Chattopadhyay, D. Jana and K. Asokan, “*Defects induced ferromagnetism in SnO_2 : A combined study using Density functional theory and Positron annihilation spectroscopy*”. RSC Advances5 (2015) 1148.
92. B. Sarkar, S. Saha and P.K. Pal, “*A novel method for computation of importance weights in Monte Carlo localization on line segment-based maps*”. Robotics Autonomous Systems. 74A (2015) 51.
93. Debojit Sarkar, Subikash Choudhury, Subhasis Chattopadhyay “*Effect of radial flow on two particle correlations with identified triggers at intermediate pT in p-Pb collisions at $Sqrt(s_{NN}) = 5.02\ TeV$* ”, , Physics Letters B, pp. 763-768 (2016).
94. Debojit Sarkar, Subikash Choudhury, and Subhasis Chattopadhyay “*Two-particle correlations with identified triggers in p-Pb collisions at $\sqrt{s_{NN}}=5.02\ TeV$ using a multiphase transport model*”, Phys. Rev. C 94, 044909 – Published 17 October 2016.
95. Debojit Sarkar, Subikash Choudhury, and Subhasis Chattopadhyay “*Investigating the role of partonic and hadronic dynamics in mass splitting of elliptic anisotropy in p-Pb collisions at $\sqrt{s_{NN}}=5.02\ TeV$* ”, Phys. Rev. C 94, 044919 – Published 31 October 2016.
96. STAR COLLABORATION, “*Upsilon production in U+U collisions at $sqrt(s_{NN})=193\ GeV$ with the STAR experiment*”, Phys. Rev. C 94 (2016) 64904
97. STAR COLLABORATION, “*Jet-like Correlations with Direct-Photon and Neutral-Pion Triggers at $sqrt(s_{NN})=200GeV$* ”, Phys. Lett. B 760 (2016) 689
98. STAR COLLABORATION, “*Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in d+Au, Cu+Cu and Au+Au collisions at $sqrt(s_{NN})=200GeV$* ”, Phys. Rev. C 94 (2016) 14910
99. STAR COLLABORATION, “*J/psi production at low transverse momentum in p+p and d+Au collisions at $sqrt(s_{NN})=200GeV$* ”, Phys. Rev. C 93 (2016) 64904
100. STAR COLLABORATION, “*Measurement of elliptic flow of light nuclei at $sqrt(s_{NN})= 200, 62.4, 39, 27, 19.6, 11.5, \text{and } 7.7\ GeV$ at RHIC*”, Phys. Rev. C 94 (2016) 34908
101. STAR COLLABORATION, “*Muon identification with Muon Telescope Detector at the STAR experiment*”, Nucl. Instrum. Meth. A 833 (2016) 88-93
102. STAR COLLABORATION, “*Measurement of the transverse single-spin asymmetry in $p+p \rightarrow W^\pm/Z^0$ at RHIC*”, Phys. Rev. Lett. 116 (2016) 132301

103. STAR COLLABORATION, “*Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\text{sqrt}(s_{NN}) = 7.7\text{-}62.4 \text{ GeV}$* ”, Phys. Rev. C 93 (2016) 14907
104. STAR COLLABORATION, “*Beam-Energy Dependence of Charge Balance Functions from Au+Au Collisions at RHIC*”, Phys. Rev. C 94 (2016) 24909
105. R. M. Thankachan, J. Cyriac, B. Raneesh, N. Kalarikkal, D. Sanyal, P. M. G. Nambissan, “ *Cr^{3+} -substitution induced structural reconfigurations in the nanocrystalline spinel compound ZnFe_2O_4 as revealed from x-ray diffraction, positron annihilation and Mössbauer spectroscopic studies*”. RSC Advances, 5 (2015) 64966.
106. E. H. Wang, A. Lemasson, J. H. Hamilton, A. V. Ramayya, J. K. Hwang, J. M. Eldridge, A. Navin, M. Rejmund, S. Bhattacharyya, S. H. Liu, N. T. Brewer, Y. X. Luo, J. O. Rasmussen, H. L. Liu, H. Zhou, Y. X. Liu, H. J. Li, Y. Sun, F. R. Xu, S. J. Zhu, G. M. Ter-Akopian, Yu. Ts. Oganessian, M. Caamano, E. Clement, O. Delaune, F. Farget, G. de France, B. Jacquot, “*Identification of new transitions and mass assignments of levels in $^{143\text{-}153}\text{Pr}$* ”, Phys Rev C92 (2015) 034317..