

Publications in Journals – 2017

1. P. Das, S. Mallik and G. Chaudhuri, “Effect of hyperons on phase coexistence in strange matter”, *Physical Review C* 95 (2017) 14603
2. S. Alwin, X. Sahaya Shajan, Ranjini Menon, P.Y. Nabhiraj and P.V. Ananthapadmanabhan, “Plasma treated TiO₂ aerogel nanostructures as photoanode material and its influence on the performance of quasi-solid dye-sensitized solar cells”, *Materials Research Bulletin* 86 (2017) 201
3. Rama Prasad Adak, Ajit Kumar, Anand Kumar Dubey, Subhasis Chattopadhyay, Supriya Das, Sibaji Raha, Subhasis Samanta, Jogender Saini, “Performance of a large size triple GEM detector at high particle rate for the CBM Experiment at FAIR”, *Nuclear Instruments and Methods in Physics Research Section A* 846 (2017) 29
4. S. Ghosal, S. Agrahari, R. Guin, D. Sengupta, “Implications of modelled radioactivity measurements along coastal Odisha, Eastern India for heavy mineral resources”, *Estuarine, Coastal and Shelf Science* 184 (2017) 83
5. A. Goswami, P. Sing Babu and V. S. Pandit, “Dynamics of the off axis intense beam propagation in a spiral inflector”, *Nuclear Instruments and Methods in Physics Research Section A* 841 (2017) 47
6. Kakali De, Indranil Banerjee, Samarendu Sinha and Shantanu Ganguly, “Synthesis and exploration of novel radiolabeled bombes in peptides for targeting receptor positive tumor”, *Peptides* 89 (2017) 17
7. Somnath Kar, Subikash Choudhury, Sanjib Muhuri and Premomoy Ghosh, “Multiple parton interactions and production of charged particles up to the intermediate-pT range in high multiplicity pp events at the LHC”, *Physical Review D* 95 (2017) 14016
8. Subikash Choudhury, Debojit Sarkar and Subhasis Chattopadhyay, “Elliptic flow of ϕ mesons at intermediate pT : Influence of mass versus quark number”, *Physical Review C* 95 (2017) 24904

9. Sandeep Chatterjee and Jane Alam, “Directed Flow of Charm Quarks as a Witness of the Initial Strong Magnetic Field in Ultra-Relativistic Heavy Ion Collisions”, *Physics Letters B* 768 (2017) 260
10. Golam Sarwar, Sandeep Chatterjee and Jan-e Alam, “An estimate of the bulk viscosity of the hadronic medium”, *Journal of Physics G* 44 (2017) 55101
11. Deepak Pandit, Debasish Mondal, Balaram Dey, Srijit Bhattacharya, S. Mukhopadhyay, Surajit Pal, A. De and S. R. Banerjee, “Signature of clustering in quantum many-body systems probed by the giant dipole resonance”, *Physical Review C* 95 (2017) 34301
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13. M. K. Das, S. S. Das, M. A. Nayer, S. Chattopadhyay, L. Barua and S. Datta, “Separation of Mo from Nb, Zr and Y: applicability in the purification of the recovered enriched ^{100}Mo used in the direct production of $^{99\text{m}}\text{Tc}$ in cyclotrons”, *Journal of Radioanalytical and Nuclear Chemistry* 311 (2017) 643
14. Sarmishtha Bhattacharyya, “A Journey through the Nuclear Landscape using Indian National Gamma Array (INGA)”, *Physics News* 47 (2017) 28
15. Md. A. Asgar, T. Roy, G. Mukherjee, A. Dhal, Soumik Bhattacharya, S. Bhattacharyya, C. Bhattacharya, S. Bhattacharya, A. Chaudhuri, K. Banerjee, S. Kundu, S. Manna, R. Pandey, J. K. Meena, R. Palit, S. Biswas, S. Saha, J. Sethi, P. Singh, and D. Choudhury, “Return of backbending in ^{169}Tm and the effect of the $N = 98$ deformed shell gap”, *Physical Review C* 95 (2017) 31304
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