

Publications in Journals – 2025

1. Shabir Dar, Soumik Bhattacharya, S. Bhattacharyya, G. H. Bhat, S. Jehangir, J. A. Sheikh, R. Banik, S. Nandi, G. Mukherjee, Sajad Ali, S. Chakraborty, S. Chatterjee, S. Das, S. Das Gupta, A. Dhal, S. S. Ghugre, A. Goswami, D. Mondal, S. Mukhopadhyay, S. Pal, D. Pandit, R. Raut, P. Ray, “Coexistence of single-particle and collective states in ^{116}Sb ”, *Physical Review C* 111 (2025) 14328
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3. R. Mondal Saha, K. Banerjee, A. Chakraborty, N. Gayathri, Souvik Jana, Satya Samiran Nayak, G. R. Umapathy, Anirban Basak, S. Bhattacharyya, R. Shil, Satyajit Hazra, Saif Ahmad Khan, “Preparation of selenium target using sedimentation method for in-beam gamma-ray spectroscopic measurement”, *Nuclear Instruments and Methods in Physics Research Section A* 1074 (2025) 170288
4. Ekata Nandy, Subhasis Chattopadhyay, “Searching for initial state fluctuations in heavy ion collisions at FAIR energy using principal component analysis”, *The European Physical Journal A* 61 (2025) 39
5. Akash Mitra, Sanku Paul, Shashi C. L. Srivastava, “Quantum criticality and universality in the stationary state of the long-range Kitaev model”, *Physical Review B* 111 (2025) 104308
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10. J. Mukherjee, D. Bhowmik, S. Bhowmick, Prasanta Karmakar, S. Bhattacharjee, “Low energy ion-beam mediated tailoring of structural, optical, and electrical properties of ITO films”, *Surface & Interface* 59 (2025) 105973
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14. S. Mallik, “Isospin effect on the liquid-gas phase transition for finite nuclei”, *Nuclear Physics A* 1055 (2025) 123009

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25. ALICE Collaboration, “Addendum: Dielectron production in proton-proton and proton-lead collisions at $\sqrt{s_{\text{NN}}}=5.02\text{TeV}$ ”, Physical Review C 111 (2025) 24905
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27. ALICE Collaboration, “Particle production as a function of charged-particle flattnicity in pp collisions at $\sqrt{s}=13\text{TeV}$ ”, Physical Review D 111 (2025) 12010
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