

Publications in Journals – 2022

1. Sanchari Thakur, Sumit Kumar Saha, Sk Noor Alam, Rupa Chatterjee & Subhasis Chattopadhyay, “Longitudinal asymmetry in heavy ion collisions at RHIC”, The European Physical Journal A 58 (2022) 13
2. ALICE Collaboration,” Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC”, Physical Review D 105 (2022) L011103
3. ALICE Collaboration, “Measurement of prompt D^0 , Λ_c^+ , and $\Sigma_c^{0,++}$ (2455) production in pp collisions at $\sqrt{s}=13$ TeV”, Physical Review Letters 128 (2022) 12001
4. STAR Collaboration, “Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}}=200$ GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider”, Physical Review C 105 (2022) 14901
5. STAR Collaboration, “Investigation of Experimental Observables in Search of the Chiral Magnetic Effect in Heavy-ion Collisions in the STAR experiment”, Chinese Physics C 46 (2022) 14101
6. P. Dey, D. Negi, R. Palit, P. C. Srivastava, Md. S. R. Laskar, B. Das, F. S. Babra, S. Bhattacharya, Biswajit Das, K. Rojeeta Devi, R. Gala, U. Garg, S. S. Ghugre, E. Ideguchi, S. Kumar, A. Kundu, G. Mukherjee, S. Muralithar, S. Nag, S. Nandi, Neelam, M. Kumar Raja, R. Raut, R. Santra, A. Sharma, S. Sihotra, A. K. Singh, R. P. Singh, and T. Trivedi, “Experimental investigation of high-spin states in 90Zr”, Physical Review C 105 (2022) 44307
7. D. Mukhopadhyay, Jane Alam and R. Kumar, “The Polyakov loop dependence of bulk viscosity of QCD matter”, Nuclear Physics B 974 (2022) 115635
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11. Aniruddha Dey, D.C. Biswas, A. Chakraborty, S. Mukhopadhyay, A.K. Mondal, K. Mandal, B. Mukherjee, R. Chakrabarti, B.N. Joshi, L.A. Kinage, S. Chatterjee, S. Samanta, S. Das, Soumik Bhattacharya, R. Banik, S. Nandi, Shabir Dar, R. Raut, G. Mukherjee, S. Bhattacharyya, S.S. Ghugre, A. Goswami, “Evidence for competing bi-faceted compound nucleus fission modes in $^{232}\text{Th}(\alpha, f)$ reaction”, *Physics Letters B* 825 (2022) 136848
12. Joy Mukherjee, Dipak Bhowmik, Gourab Bhattacharyya, Biswarup Satpati and Prasanta Karmakar, “Spatially varying chemical phase formation on silicon nano ripple by low energy mixed ions bombardment”, *Journal of Physics: Condens Matter* 34 (2022) 135001
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18. STAR Collaboration, “Light Nuclei Collectivity from 3GeV Au+Au Collisions at RHIC”, Physics Letters B 827 (2022) 136941
19. STAR Collaboration, “Erratum: Collision-energy dependence of second-order off diagonal and diagonal cumulants of net-charge, net-proton, and netkaon multiplicity distributions in Au+Au collisions”, Physical Review C 105 (2022) 29901
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39. ALICE Collaboration, “Polarization of Λ and Λ bar Hyperons along the Beam Direction in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV”, Physical Review Letters 128 (2022) 172005
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