

Publications in Journals – 2021

1. J. Pradhan, A. Duttagupta, V. Smirnov, J. Debnath, S. Roy, N. Chaddha, M. K. Dey, A. Bandyopadhyay, “Median plane and beam diagnosis in the central region for compact superconducting cyclotron”, Nuclear Instruments and Methods in Physics Research Section A 993 (2021) 165084
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3. ALICE Collaboration, “Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV”, Physics Letters B 813 (2021) 136054
4. Rupa Chatterjee, “Anisotropic flow of photons in relativistic heavy ion collisions”, Pramana 95 (2021) 15
5. ALICE Collaboration, “Centrality dependence of J/ψ and $\psi(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV”, Journal of High Energy Physics 2021 (2021) 2
6. Sangeeta Das, Anik Adhikari, S.S.Alam, Sathi Sharma, Suman Aich, Arkabrata Gupta, Y. Sapkota, Ananya Das, A. Saha, S. K. Dey, Dibyadyuti Pramanik, Abhijit Bisoi, Indrani Ray, T.Bhattacharjee, C. C. Dey, S. Sarkar, M. Saha Sarkar, “Decay Spectroscopy of $^{117,118}\text{Sn}$ ”, Nuclear Physics A 1006 (2021) 122079
7. Pratap Roy, S. Mukhopadhyay, Mamta Aggarwal, Deepak Pandit, T. K. Rana, Samir Kundu, T. K. Ghosh, K. Banerjee, G. Mukherjee, S. Manna, A. Sen, R. Pandey, Debasish Mondal, S. Pal, D. Paul, K. Atreya and C. Bhattacharya, “Excitation energy and angular momentum dependence of the nuclear level density parameter around $A \approx 110$ ”, Physical Review C 103 (2021) 024602

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10. STAR Collaboration, “Flow and interferometry results from Au + Au collisions at $\sqrt{s_{\text{NN}}} = 4.5 \text{ GeV}$ ”, *Physical Review C* 103 (2021) 034908
11. Jagannath Datta, Chiranjib Majumder, “Stabilizing Co, Ni and Cu on the h-BN surface: Using O-O bond activation to probe their performance as single atom catalyst”, *Catalysis Today* 370 (2021) 75-82
12. Neeraj Kumar, Shashi Verma, Shabnam Mohsina, Jhilam Sadhukhan, K Rojeeta Devi, A Banerjee, N Saneesh, M Kumar, Ruchi Mahajan, Meenu Thakur, Gurpreet Kaur, Anjali Rani, Abhishek Yadav, Rakesh Kumar, S Mandal, Suresh Kumar, B R Behera, K S Golda, A Jhingan, P Sugathan, “Probing entrance channel effects in fusion-fission dynamics through neutron multiplicity measurement of ^{208}Rn ”, *Physics Letters B* 814 (2021) 136062
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14. S. Gupta, Jajati K. Nayak and Sushant K. Singh, “Chiral symmetry breaking and chemical equilibrium in heavy-ion collisions”, *Physical Review D* 103 (2021) 54023
15. S. Dalal, P. Bhaskar, K. Banerjee, S.A. Khan and C. Bhattacharya, “Design and development of a low cost Arduino controlled Ethernet interfaced Majority Logic Unit”, *Journal of Instrumentation* 16 (2021) P01008

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