List of Publications

Publications in Peer-Reviewed Journals

1. **Excitation functions of heavy residues produced in the ^{14}N+^{103}Rh reaction up to 400 MeV: Analysis of the pre-equilibrium mechanism with the hybrid Monte Carlo simulation model**

   J. Acharya, S. Mukherjee, G. F. Steyn, N. L. Singh and A. Chatterjee
   Phys. Rev. C 93, 024608 (2016).

2. **Neutron emission in ^{19}F-induced reactions**

   J. Acharya, S. Mukherjee, A. Chatterjee, N. L. Singh, K. Ramachandran, P. C. Rout, K. Mahata, Vishal Desai, E. T. Mirgule, S. V. Suryanarayana, B. K. Nayak and A. Saxena
   Phys. Rev. C 97, 034607 (2018).

3. **Non-equilibrium emission of alpha particles in the interaction of ^{14}N with ^{59}Co and ^{93}Nb at incident energy of 250 MeV**

   J. Acharya, S. Mukherjee, G. F. Steyn, S. V. Förtsch, F. D. Smit, R. T. Newman, J. J. Lawrie, O. V. Fotina and A. Chatterjee
   Nucl. Phys. A 996, 121695 (2020).

Publications in Proceedings of National Conferences

1. **Neutron emission in ^{19}F + ^{181}Ta reaction at 150 MeV**

   J. Acharya, S. Mukherjee, A. Chatterjee, N. L. Singh, A. Saxena, K. Ramachandran, P. C. Rout, K. Mahata, Vishal Desai, E. T. Mirgule, S. V. Suryanarayana, B. K. Nayak and G. F. Steyn
   Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 60 (2015) 456.

2. **Pre-equilibrium neutron emission in ^{19}F + ^{89}Y reaction at 150 MeV**

   J. Acharya, S. Mukherjee, A. Chatterjee, N. L. Singh, A. Saxena, K. Ramachandran, P. C. Rout, K. Mahata, Vishal Desai, E. T. Mirgule, S. V. Suryanarayana, B. K. Nayak and G. F. Steyn
   Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 61 (2016) 358.

3. **Alpha-Particle Emission in the Interaction of ^{14}N with ^{59}Co at incident energies of 250 and 400 MeV**

   J. Acharya, S. Mukherjee, G. F. Steyn, S. V. Förtsch, F. D. Smit and O. V. Fotina
   Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 63 (2018) 468.

4. **Study of fission fragment mass distribution in ^{12} + ^{178}Hf reaction**

   Kavita, K. S. Golda, A. Jhingan, P. Sugathan, A. Chatterjee, Rakesh Kumar, N. Saneesh, Mohit, Abhishek Yadav, C. Yadav, Neeraj Kumar, Akashrup Banerjee, Anjali, S. K. Duggi, Rakesh Dubey, Kavita Rani, Shoaib Noor,J. Acharya and Hardev Singh
   Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 63 (2018) 696.

5. **Emission of α-particle in the interaction of ^{14}N with ^{59}Co, ^{93}Nb and ^{197}Au at incident energies of 250 MeV**

   J. Acharya, S. Mukherjee, G. F. Steyn, S. V. Förtsch, F. D. Smit and O. V. Fotina
   Proceedings of the DAE-BRNS Symp. on Nucl. Phys. 64 (2019) 473.

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