List of Publications

❖ International Journal (Published) :

1. **Inclusive α production for the ^{6}Li + ^{51}V system**

   C. Joshi, H. Kumawat , V. V. Parkar , D. Dutta, S. V. Suryanarayana, V. Jha, R. K. Singh, N. L. Singh, and S. Kailas, **Phys.Rev. C 105, 034615 (2022)**

2. **Exploring breakup coupling effect in ^{7}Li+^{92,100}Mo elastic scattering around Coulomb barrier energies**

   C. Joshi, H. Kumawat, R. K. Singh, N. L. Singh, D. Patel, B. K. Nayak, J. Acharya, A. Parihari, K. Rani, S. D. Sharma, G. Kaur, I. Ahmed, K. S. Golda, N. Saneesh, M. Kumar, A. Jhingan , P. Sugathan, **Eur.Phys.J. A 57, 40 (2022)**

3. **Elastic scattering for 6Li+51V and systematic study of breakup threshold anomaly**

   H.Kumawat,C.Joshi,V.V.Parkar,V.Jha,B.J.Roy, Y.S.Sawant, P.C.Rout, E.T.Mirgule, R.K.Singh, N.L.Singh, B.K.Nayak, S.Kailas, **Nucl.Phys. A 1002, 121973 (2020)**

4. **Elastic scattering and boron, lithium, and α-particle production in the ^{9}Be + ^{51}V reaction**

   H.Kumawat, M.Prasanna, V.V.Parkar, C.Joshi, A.Kundu, A.Pal, K.Ramachandran, D.Dutta, S.Santra, **Phys.Rev. C 106, 024602 (2022)**

5. **Re-measurement of reduced transition probabilities in 132Ba***

S. Dutt, M. Saxena, R. Kumar, A. Jhingan, A. Agarwal A. Banerjee, R.K. Bhowmik, **C. Joshi** , et al., **Acta Phys.Pol. B 49, 535 (2018)**

6. **No evidence of reduced collectivity in Coulomb-excited Sn isotopes**

R. Kumar, M. Saxena, P. Doornenbal, A. Jhingan, A. Banerjee, R. K. Bhowmik, S. Dutt, R. Garg, **C. Joshi**, et al., **Phys.Rev. C 96, 054318 (2017)**

7. **Experimental study of the transfer-induced fission fragment angular distribution in the ^{6}Li + ^{238}U reaction**

A.Parihari, G. Mohanto, Gurpreet Kaur, A. Jhingan, K. Mahata, R. G. Thomas, P. C. Rout, E. T. Mirgule, V. V. Desai, B. Srinivasan**,** **C. Joshi**,, et al., **Phys.Rev. C 96, 054613 (2017)**

❖ International /National Symposium and Conferences :

1. **Study of breakup effect of weakly bound ^{6}Li around Coulomb barrier energies for ^{6}Li+^{100}Mo**

C. Joshi, N. L. Singh, H. Kumawat, et al. *DAE Symp. on Nucl. Phys.* ***66*** *(2022)*

2. **Reaction dynamics of weakly bound stable projectile for system ^{6}Li+^{51}V**

C.Joshi, H. Kumawat, V.V. Parkaret al. *Proceedings of the DAE Symp. on Nucl. Phys.* ***63*** *(2018)*

3. **Fabrication of Thin Targets of ^{92,100}Mo**

C.Joshi, Abhilash S., D. Kabiraj, H. Kumawat and N.L. Singh, *Proceedings of the DAE Symp. on Nucl. Phys.* ***63*** *(2018)*

4. **Measurement of the cross-section ^{107}Ag(n,2n)^{106}Ag reaction on neutron energy 13 MeV and 22 MeV**

Chhavi Joshi, Ratan k. Singh, Siddharth Parashari,et al., *Proceedings of the DAE Symp. on Nucl. Phys.* ***62*** *(2017)*

5. **Shape evolution in semi-magic Sn-isotopes: A recent scenario**

S. Dutt, M. Saxena, P. Doornenbal, A. Jhingan, A. Banerjee, R. K. Bhowmik, R. Garg,**C.Joshi**, V. Mishra, P. J. Napiorkowski, S. Prajapati, I. A. Rizvi, P. A Söderström,H. Wollersheim,,et al., *Proceedings of the DAE Symp. on Nucl. Phys.* ***63*** *(2018)*

6. **Observation of triaxiality in the transitional ^{132}Ba nucleus via B(E2↑) measurements**

S. Dutt,M. Saxena, R. Kumar, P. J. Napiorkowski, T. Abraham, A. Agarwa, J.M. Allmond, R. K. Bhowmik,**C. Joshi**, J. Kaur, et al. , *Proceedings of the DAE Symp. on Nucl. Phys.* *63 (2018)*

7. **Exploration of Effects of Nuclear Structure and Reaction Mechanism on the Threshold Behaviour in Nuclear Reactions with Weakly Bound Projectiles: the ^{7}Li + ^{74}Se System**

U .K. Pal, V.V. Parkar, S. Santra, A. Pal, H. Kumawat , K. Ramachandran, D. Chattopadhyay, A. Kundu, **C. Joshi**, et al., *Proceedings of the DAE Symp. on Nucl. Phys.* ***63*** *(2018)*

8. **Determination of hexadecapole deformation for ^{160}Gd nucleus using quasi-elastic scattering**

Sukanya De, G. Mohanto, A. Parihari, E.T. Mirgule, B. Srinivasan, P.C. Rout, M. Kushwaha, S. Arora, **C. Joshi**, et al., Proceedings of the DAE Symp. on Nucl. Phys. **62** . (2017)

9. **Re-evaluation of stable Sn-isotopes: Probing of B(E2↑) values**

   R. Kumar, M. Saxena, P. Doornenbal, A. Jhingan, A. Banerjee, R.K. Bhowmik, S. Dutt, R. Garg, **C. Joshi**, V. Mishra, P.J. Napiorkowski, S. Prajapati, P.A. Soderstrom, and H.J. Wollersheim, Proceedings of the DAE Symp. on Nucl. Phys. **62** (2017)

10. **Probing the low-level nuclear structure of ^{132}Ba by Coulomb excitation measurements**

    S. Dutt,M. Saxena, R. Kumar, P. J. Napiorkowski, T. Abraham, A. Agarwa, J.M. Allmond, A. Banerjee, R. K. Bhowmik,**C. Joshi**, J. Kaur, A. Kumar, et al.., Proceedings of the DAE Symp. on Nucl. Phys. **62** (2017)

11. **Cross-section measurement of the ^{103}Rh(n,2n)^{102}Rh reaction at 22 MeV Energy**

    RatanKumar Singh, Siddharth Parashari, N. L. Singh, RajniKant Makwana, S.K. Mukherjee, Mayur Mehta, Sai Akhil Ayyala, Rakesh Chauhan, **Chhavi joshi**, Proceedings of the DAE Symp. on Nucl. Phys. **62** (2017)

12. **Coulomb excitation measurement of ^{132}Ba at IUAC, New Delhi**

    S. Dutt, M. Saxena, R. Kumar, A. Jhingan, A. Agarwal, A. Banerjee, R. Bhowmik, **C. Joshi**, J. Kaur, A. Kumar, M. Matejska-Minda, et al., Proceedings of the DAE Symp. on Nucl. Phys. 61 (2016)

13. **Transfer Induced Fission Fragment Angular Distribution for ^{6}Li + ^{238}U Reaction**

A. Parihari, G. Mohanto, Gurpreet Kaur, K. Mahata, P.C. Rout, E. T. Mirgule, A. Jhingan, V.V. Desai, B. Srinivasan, **C. Joshi**, V. Mishraet et al. Proceedings of the DAE Symp. on . . . Nucl. Phys. 61 (2016)