Name: Dr. Dipayan Chattopadhyay

Designation: Assistant Professor

Branch: Physics

Educational Qualification(s):

Qualification(s)	**University**
B.Sc in Physics(Honours)	West Bengal State University
M.Sc in Physics	West Bengal State University
Ph.D in Physics	Homi Bhabha National Institute (Bhabha Atomic Research Centre)

Experience in years:

Academic Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	Saha Institute of Nuclear Physics, Kolkata, India	Post doctoral Research Associate	15/02/2019	24/12/2020
2	Tata Institute of Fundamental Research, Mumbai, India	Post doctoral Research Associate	04/01/2021	06/12/2021
3	Indiana University, Bloomington, Indiana, The United States of America	Post doctoral Research Associate	09/12/2021	01/07/2022

Other Information:

a) Publication details.

(1) "Direct and resonant breakup of radioactive ^{7}Be nuclei produced in the ^{112}Sn(^{6}Li,^{7}Be) reaction", **D. Chattopadhyay**, S. Santra, A. Pal, A. Kundu, K. Ramachandran, R. Tripathi, T. N. Nag, and S. Kailas, Phys. Rev. C 102, 021601(R), 2020.

(2) "Role of cluster structure in the breakup of ^{7}Li", **D. Chattopadhyay**, S. Santra, A.Pal, A. Kundu, K. Ramachandran, R. Tripathi, B. J. Roy, T. N. Nag, Y. Sawant, B. K.Nayak, A. Saxena, and S. Kailas, Phys. Rev. C, 97, 051601(R), 2018.

(3) "Resonant, direct, and transfer breakup of ^{6}Li by ^{112}Sn", **D. Chattopadhyay**, S. Santra, A. Pal, A. Kundu, K. Ramachandran, R. Tripathi, D. Sarkar, S. Sodaye, B. K. Nayak, A. Saxena, and S. Kailas, Phys. Rev. C, 94, 061602(R), 2016.

(4) "Resonant breakup of ^{8}Be in ^{112}Sn(^{7}Li,^{8}Be$\rightarrow$ 2α) reaction", **D. Chattopadhyay**, S.Santra, A. Pal, A. Kundu, K. Ramachandran, R. Tripathi, B. J. Roy, Y. Sawant, B. K. Nayak, A. Saxena, and S. Kailas, Phys. Rev. C, 98, 014609, 2018.

(5) "Reduction of the effect of internal activity in $LaCl_3$:Cescintillator", **D. Chattopadhyay**, Sathi Sharma, M. Saha Sarkar, JINST **16,** P06025, 2021.

(6) "Effect of projectile breakup on fission-fragment mass distributions in the ^{6,7}Li +^{238}U reactions", S. Santra, A. Pal, P. K. Rath, B. K. Nayak, N. L. Singh, **D. Chattopadhyay**, B. R. Behera, Variderajit Singh, A. Jhingan, P. Sugathan, K. S. Golda, S. Sodaye, S. Appannababu, E. Prasad and S. Kailas, Phys. Rev. C 90,064620, 2014.

(7) "Determination of ^{238}Pu(n, f) and ^{236}Np(n, f) cross sections using surrogate reactions", A. Pal, S. Santra, B. K. Nayak, K. Mahata, V. V. Desai, **D. Chattopadhyay** and R. Tripathi, Phys. Rev. C 91, 054618, 2015.

(8) "Probing systematic model dependence of complete fusion for reactions with weakly bound projectiles ^{6,7}Li", A. Kundu, S. Santra, A. Pal, **D. Chattopadhyay**, B.K. Nayak, A. Saxena and S. Kailas, Phys. Rev. C 94, 014603, 2016.

(9) "Elastic, inelastic, and 1-nucleon transfer channels in the ^{7}Li + ^{120}Sn system", A. Kundu, S. Santra, A. Pal, **D. Chattopadhyay**, R. Tripathi, B. J. Roy, T. N. Nag, B. K. Nayak, A. Saxena, and S. Kailas, Phys. Rev. C 95, 034615, 2017.

(10) "Projectile-breakup-induced fission-fragment angular distributions in the ^{6}Li +^{232}Th reaction", A. Pal, S. Santra, **D. Chattopadhyay**, A. Kundu, K. Ramachandran,R. Tripathi, B. J. Roy, T. N. Nag, Y. Sawant, D. Sarkar, B. K. Nayak, A. Saxena, andS. Kailas, Phys. Rev. C 96, 024603, 2017.

(11) "Deep-inelastic multi-nucleon transfer processes in the ^{16}O + ^{27}Al reaction", B.J. Roy, Y. Sawant, P. Patwari, S. Santra, A. Pal, A. Kundu, **D. Chattopadhyay**, V.Jha, S.K. Pandit, V.V. Parkar, K. Ramachandran, K. Mahata, B.K. Nayak, A. Saxena,S. Kailas, T.N. Nag, R.N. Sahoo, P.P.Singh and K.Sekizawa, Phys. Rev. C 97, 034603,2018.

(12) "Mass distributions of fission fragments from nuclei populated by multi-nucleon transfer or incomplete fusion

channels in ^{6,7}Li + ^{238}U reactions", A. Pal, S. Santra, **D. Chattopadhyay**, A. Kundu, A. Jhingan, P. Sugathan, N. Saneesh, MohitKumar, N. L. Singh, A. Yadav, C. Yadav, R. Dubey, K. Kapoor, Kavita Rani, HoneyArora, Visakh A. C., Devinder Kaur, B. K. Nayak, A. Saxena, S. Kailas, and K. -H.Schmidt, Phys. Rev. C 98, 031601(R), 2018.

(13) "Measurement of incomplete fusion cross-sections in ^{6,7}Li+^{238}U reactions", A. Pal, S. Santra, **D. Chattopadhyay**, A. Kundu, A. Jhingan, P. Sugathan, B. K.Nayak, A. Saxena, and S. Kailas, Phys. Rev. C 99, 024620, 2019.

(14) "Low lying quadrupole and octupole collective excitations in the^{112,116,118,120,122,124}Sn isotopes", A. Kundu, S. Santra, A. Pal, **D. Chattopadhyay**, R.Tripathi, B. J. Roy, T. N. Nag, B. K. Nayak, A. Saxena, and S. Kailas, Phys. Rev. C 99, 034609, 2019.

(15) **"**Measurement of the 2_1^+ level lifetime in ^{120}Sn by the Doppler shift attenuation method: Evidence of enhanced collectivity", A. Kundu, S. Santra, A. Pal, **D. Chattopadhyay**, R. Raut, R. Palit, Md. S. R. Laskar, F. S. Babra, C. S. Palshetkar, B. K. Nayak, and S. Kailas, Phys. Rev. C 100, 034327 (2019).

(16)"Determination of ^{59}Ni (n, xp) reaction cross sections using surrogate reactions", Jyoti Pandey, Bhawna Pandey, A. Pal, S. V. Suryanarayana, S. Santra, B. K. Nayak, E. T. Mirgule, AlokSaxena, **D. Chattopadhyay**, A. Kundu, V. V. Desai, A. Parihari, G. Mohanto, D. Sarkar, P. C. Rout, B. Srinivasan, K. Mahata, B. J. Roy, S. De, and H. M. Agrawal, Phys. Rev. C 99, 014611 (2019).

(17) "Kinetic energy spectra and angular distributions of projectile-like fragments in $^{12,13}C+^{93}Nb$ reactions", T. N. Nag, R. Tripathi, S. Sodaye, K. Sudarshan, S. Santra, K. Ramachandran, A. Kundu, **D. Chattopadhyay**, A. Pal, and P. K. Pujari, Phys. Rev. C 102, 024610 (2020).

(18) "Large back-angle quasi-elastic scattering for $^{7}Li+^{159}Tb$", Piyasi Biswas, A. Mukherjee, **D. Chattopadhyay**, SaikatBhattacharjee, M. K. Pradhan, Md. Moin Shaikh, Subinit Roy, A. Goswami, P. Basu, S. Santra, S. K. Pandit, K. Mahata, and A. Shrivastava, Phys. Rev. C 103, 014606 (2021).

(19) "Fission fragment mass distribution in the $^{32}S + ^{144}Sm$ reaction",T.N.Nag, R.Tripathi, S.Patra, A.Mhatre, S.Santra, P.C.Rout, A.Kundu, **D.Chattopadhyay**, A.Pal, P.K.Pujari, Phys. Rev. C 103, 034612 (2021).

(20) "Quasielastic backscattering and barrier distribution for the weakly bound projectile ^{6}Li on ^{159}Tb", Piyasi Biswas, A. Mukherjee, SaikatBhattacharjee, **D. Chattopadhyay**, Subinit Roy, S. Santra, S. K. Pandit, K. Ramachandran, K. Mahata, and A. Shrivastava, Phys. Rev. C 104, 034620 (2021).

(21) "Fusion of $^{16}O+^{165}Ho$ at deep sub-barrier energies", SaikatBhattacharjee, A. Mukherjee, Ashish Gupta, RajkumarSantra, **D. Chattopadhyay**, N. Deshmukh, SangeetaDhuri, Shilpi Gupta, V. V. Parkar, S. K. Pandit, K. Ramachandran, K. Mahata, A. Shrivastava, Rebecca Pachuau, and S. Rathi,Phys. Rev. C 104, 054607 (2021).

(22) "Measurement of mass and total kinetic energy distribution of fission fr agments using newly developed compact MWPC detectors", A. Pal, S. Santra, A. Kundu, **D.**

Chattopadhyay, A. Jhingan, B. K. Nayak and S. Prafulla JINST 15, P02008 (2020).

b) Details of Seminar/Workshop/Conference.

(1) DAE National symposium in Nuclear Physics, 2014.

(2) DAE National symposium in Nuclear Physics, 2015.

(3) DAE National symposium in Nuclear Physics, 2016.

(4) DAE National symposium in Nuclear Physics, 2017.

(5) DAE International symposium in Nuclear Physics, 2018.

(6) DAE National symposium in Nuclear Physics, 2019.

(7) DAE National symposium in Nuclear Physics, 2021.

(8) NN International Conference, Saitama, Japan, 2018.