Resume

Pallavi Kalikotay

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Present Position : Assistant Professor,
Department of Physics,
Kazi Nazrul University

Academic Qualification

Sl. No.	Degree/Examination	Institute	Duration
1.	**Post M.Sc**	**Homi Bhabha National Institute, Variable Energy Cyclotron Centre, Kolkata**	**2016-2018**
2.	**M.Sc**	**Visva Bharati, Birbhum,West Bengal**	**2014-2016**
3.	**B.Sc.**	**Sri Sathya Sai Institute of Higher Learning, Anantapur, Andhra Pradesh**	**2011-2014**

- Currently pursuing PhD in Theoretical High Energy Physics.

Project Work

Name Of the Project	Guide
Medium Effects on the Relaxation Times of Hadrons in a Hadronic Gas Mixture	**Dr. Sourav Sarkar**, Professor, Physics Group, Homi Bhabha National Institute, Variable Energy Cyclotron Centre, Kolkata.
Calculation of Transport Coefficients for a Non-relativistic Gas	**Dr. Sourav Sarkar**, Professor, Physics Group, Homi Bhabha National Institute, Variable Energy Cyclotron Centre, Kolkata.
Study of invariant mass spectrum of opposite sign dimuons in pp collisions at √s=13TeV using CMS (Compact Muon Solenoid) data	**Dr. Manas Maity**, Professor, Department of Physics, Visva-Bharati, Santiniketan, West Bengal

Research Interests

- Transport Properties of Hot and Dense Matter
- Quantum Field Theory
- Thermal Field theory

Research Publications

- Medium effects on Relaxation times and Transport coefficients of Pion-Kaon-Nucleon system,

  Pallavi Kalikotay, Nilanjan Chaudhuri, Snigdha Ghosh, Sourav Sarkar,

  Published in **DAE NP Proceedings Vol. 63 (2018) 1004**.

- Dynamics of self-reinforcing matter-wave in gravito-optical surface trap,

  Golam Ali Sekh and Pallavi Kalikotay ,

  Chaos 29, 103112 (2019)

- Viscous coefficients and thermal conductivity of a πKN gas mixture in the medium

  Pallavi Kalikotay, Nilanjan Chaudhuri, Snigdha Ghosh, Utsab Gangopadhyaya, Sourav Sarkar,

  ***Eur. Phys. J. A* 56 (2020) 3, 79**

Achievements

- 2015 : CSIR-NET Lectureship.
- 2018 : Graduate Aptitude Test in Engineering (GATE) conducted by IIT.
- 2019: Best Poster Award, DAE- BRNS Symposium on “Contemporary and Emerging Topics in High Energy Nuclear Physics 2019”