Faculty Profile

Name: **DR. MALAY KUMAR GHOSH**
Designation: **Assistant Professor (Stage – II)**
Faculty: **Faculty of Science.**
Department: **Physics**
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Qualifications: **M. Sc., Ph. D.**
Area of Interest: **Multiparticle production phenomenon in high energy nucleus-nucleus collision.**
Experience: **6 years**

Research Activities: Worked as Junior Research Fellow in the department of Physics, N. B. U. from 2001 to 2004 and then carried out research work as part time fellow in the same department. In 2008 obtained Ph. D. degree in Physics from the University of North Bengal. Already 11 numbers of papers was published in different reputed Inter-national journals and Conference Proceedings. A minor research project sponsored by UGC is going on under his supervision from February 2015.

Publications:

1. Erraticity analysis of particle production in ^{32}S-Ag/Br interaction at 200*A* GeV/*c*.

- PHYSICAL REVIEW C **68**, 034907 (2003)

2. Erraticity analysis of multiparticle production in nucleus-nucleus interactions at relativistic energies

- PHYSICAL REVIEW C **71**, 034904 (2005)

3. Multifractal moments of particles produced in ^{32}S–Ag/Br interaction at 200A GeV/*c*.

- J. Phys. G: Nucl. Part. Phys. **32** (2006) 2293–2304

4. Intermittency and multiplicity moments of charged particles produced in ^{32}S–Ag/Br interaction

- J. Phys. G: Nucl. Part. Phys. **34** (2007) 177

5. Multifractal study of singly charged particles produced in ^{32}S induced Ag/Br interactions at CERN.

International Journal of Modern Physics E, Vol. 17, No. 5(2008) 802 - 816

6. Two-dimensional intermittency in ^{16}O-Ag/Br interactions at 200A GeV/c.

- Conference: Proceedings of The International Symposium on Nuclear Physics, At Mumbai, India, Volume: pp. 590-591, 12/2009

7. Nonstatistical Fluctuation in ^{16}O-Ag/Br interactions at 200A GeV/c

- Proceedings of The International Symposium on Nuclear Physics, At Mumbai, India, Volume: pp. 562-563. 12/2009

8. Intermittency and related issues in ^{16}O-Ag/Br collision at 200A GeV/c

- Can. J. Phys. **88**: 575–584 (2010)

9. Search for Ring and Jet-Like Structures in Particle Emission from High-Energy Nucleus - Nucleus Collisions.
   - Proceedings of Applications of Computer and Information Sciences to Nature Research 2010 ACISNR 2010, May 5-7, 2010, Fredonia, New York, USA ACM Conference ID 2010-12980

10. CENTRALITY DEPENDENCE OF NONSTATISTICAL FLUCTUATION IN SINGLE PARTICLE DENSITY DISTRIBUTION IN ^{32}S Ag/Br INTERACTION AT 200A GeV/c.
   - International Journal of Modern Physics E Vol. 19, No. 11 (2010) 2229–2246

11. Ring and jet-like structures and two-dimensional intermittency in nucleus–nucleus collisions at 200 *A*GeV/*c* - Nuclear Physics A 858 (2011) 67–85