

## **Swarnapratim**

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**West Bengal, India**

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Short Bio data

B.Sc (1996) [University of North Bengal](#)

M.Sc (1999) [Jadavpur University](#)

Ph.D (2005) [Jadavpur University](#)

**Research Interest:** High Energy Nucleus-Nucleus Collisions in Nuclear Emulsion Track Detector, Simulation of RHIC and LHC data.

Total Number of Publications: 45

**List of Important Publications in Last Five Years**

1. Systematic Study of Rapidity Dispersion Parameter in High Energy Nucleus-Nucleus Interactions.

Int. Jour. of Mod. Phys E

**23**

(2014)1450012

2. Event - by -Event Pseudo-rapidity Fluctuations in High Energy Nucleus-Nucleus interaction s. Phy. Lett. B

**726**

(2013) 194

3. Target Dependence of Clan Model Parameters at Dubna Energy-Chaotic pion

production. Jour. of Phys G **40**(2013)025105

4. Genuine Pion-Pion Correlations in Heavy ion Collisions

Jour. of Phys G **39**(2012)105101

5. Multiplicity Scaling of Target Protons in High Energy Nucleus-Nucleus and Hadron-

Nucleus interactions . Jour. of Phys G **39**(2012)035101

6. Multiplicity Dependence of Entropy in Different Rapidity Bins in High energy Nucleus-

Nucleus Interactions.

Physica Scripta **85**(2012) 065205

7. Entropy scaling in High Energy Nucleus-Nucleus Interactions.

Jour. of Phys G **38**(2011) 065105

8. Multifractality in charged pion production at a Few GeV/n

Physica A **390**(2011)4144

9. Characteristics of Multiplicity Distribution of Target Fragments in Forward &

Backward Hemispheres in High Energy Nucleus-Nucleus Interactions

Physica Scripta **84** (2011)015201

10. Multiplicity Distribution and Multiplicity Moment of Black and Grey particles

in High Energy Nucleus-Nucleus Interactions

Int. Jour. of Mod. Phys E **20**(2011)1171

11. Rapidity Dependence of Multiplicity Fluctuations and Correlations in High

Energy Nucleus-nucleus Interactions.

Pramana Jour. of Physics **77**(2011)297

12. Genuine Two Particle Correlations of Target Fragments in Nuclear Interactions.

Canadian

Journal of Physics **89** (2011)225

13. A Brief Review on Nuclear Fragmentation

Int. Jour. of Mod. Phys E **19**(2010)319