

Publications:

Type	Number
International Referred Journal	52
International Conference	09
National Conference	12
State level Conference papers	02
Books	02

11 Papers in Referred International Journals

Sl. No	Author(s)	Year	Title	Complete Reference of Journal	Impact Factor
1.	S. K. Manna, P. K. Haldar , P. Mali, A. Mukhopadhyay and G. Singh	2018	Wavelet analysis of particle density function in nucleus-nucleus interactions	International journal of Modern Physics E Vol. 27, No. 1 (2018) 1850009 (17 pages)	0.864
2.	P. Mali, S. K. Manna, P. K. Haldar , A. Mukhopadhyay and G. Singh	2017	MULTIFRACTAL ANALYSIS OF MULTIPARTICLE EMISSION DATA IN THE FRAMEWORK OF VISIBILITY GRAPH AND SANDBOX ALGORITHM	PHYSICA A 493 (2018) 253–266	2.243
3.	P. Mali, S. K. Manna, P. K. Haldar , A. Mukhopadhyay and G. Singh	2017	Multifractal analysis of charged particle distributions using horizontal visibility graph and sandbox algorithm	Modern Physics Letters A Vol. 32 (2017) 1750024 (10 pages)	1.198
4.	P. Mali, S. K. Manna, P. K. Haldar , Amitava Mukhopadhyay and G. Singh	2017	Detrended analysis of shower track distribution in nucleus-nucleus interactions at CERN SPS energy	Chaos, Solitons and Fractals 94 (2017) 86–94	1.611
5.	Prabir Kumar Haldar , S. K. Manna, P. Saha & Dipak. Ghosh	2013	Multidimensional Intermittency Study of Target Fragments at CERN SPS Energies	Astroparticle Physics 42 (2013) 76–85	3.216
6.	Prabir Kumar Haldar , S. K. Manna, P. Saha & D. Ghosh	2013	Ring and Jet Study on Azimuthal Substructure of Pions at CERN SPS Energy	Pramana Journal of Physics, April 2013, Volume 80, Issue 4 , pp 631-642	0.575
7.	Prabir Kumar Haldar , S. K. Manna, P. Saha & D. Ghosh	2012	Dynamical fluctuations of pions for ring and jet-like events at SPS energy: an in-depth study with factorial correlator	Ind. J. Phys, DOI 10.1007/s12648-012-0178-z	1.785
8.	Prabir Kumar Haldar , S. K. Manna, P. Saha & D. Ghosh	2011	Peculiarities in the distribution of produced particles emission in $^{24}\text{Mg-Ag/Br}$ interactions at 4.5 A GeV	Indian Journal of Pure & Applied Physics (In Press)	0.511

9.	P. K. Haldar , S. K. Manna, P. Saha, D. Ghosh	2011	Non-Statistical fluctuations of pions for Ring and Jet-like events at CERN SPS energy - An in-depth analysis with Factorial Correlator	International journal of Modern Physics E Volume 20, no. 9 (2011) 2027-2038	0.864
10.	D. Ghosh, A. Deb, M.Lahiri, P.Mandal, S. Biswas, J. Ghosh, S Bhattacharyya, Prabir Kumar Haldar and D. Maity	2011	Fluctuation Pattern of Shower and Compound Multiplicity Distributions in Nucleus-Nucleus Interactions at a Few GeV	International journal of Modern Physics E Volume 20, Issue 05, pp. 1287-1306 (2011).	0.864
11.	Prabir Kumar Haldar & Sanjib Kumar Manna	2011	Factorial correlators and oscillatory multiplicity moments study of ring and jet-like events in $^{16}\text{O} - \text{Ag/Br}$ interactions at 60 A GeV	Canadian Journal of Physics 2011, 89:(6) 713-721, 10.1139/p11-043	0.864
12.	Prabir Kumar Haldar & Sanjib Kumar Manna	2011	Factorial Correlators and Oscillatory Multiplicity Moments at the CERN SPS Energy for Ring-Like and Jet-Like Events	CHIN. PHYS. LETT. Vol. 28, No. 1 (2011) 012502	0.972
13.	M. K.Ghosh, P. K. Haldar , S. K. Manna, A. Mukhopadhyay and G. Singh	2011	Ring and Jet-like structure and two-dimensional intermittency in nucleus-nucleus collisions at 200A GeV/c	Nuclear Physics A 858 (2011) 67-85	1.821
14.	M. K.Ghosh, P. K. Haldar , S. K. Manna, A. Mukhopadhyay and G. Singh	2010	Intermittency and related issues in ^{16}O -Ag/Br collision at 200A GeV/c	Can. J. Phys. 88 (8): 575-584 (2010)	0.864
15.	D. Ghosh, A. Deb, A. Dhar(Mitra), R. Saha, D. Bhattacharya and Prabir Kr. Haldar	2010	Levy index analysis for a multifractality and phase transition study of target fragments in ring-like and jet-like events.	Phys. Scr. 82 (2010) 045201(9pp)	1.088
16.	D. Ghosh, A. Deb, Prabir Kumar Haldar , S. Guptaroy and A. Dhar(Mitra)	2010	Levy Index and Multifragmentations of targets at SPS energy-evidence of both monofractality and multifractality	Fractals, Vol. 18, No. 1 (2010) pp. 75-86	0.500
17.	S. Sarkar, D. Ghosh, A. Deb, Prabir Kumar Haldar and Rupa Das	2010	Void analysis of Target residues at SPS energies	Int. Journal of Modern Physics E, Vol. 19 , Issue: 3 (March 2010) Page: 407-417	0.864
18.	D. Ghosh, A. Deb, A. Dhar(Mitra) and Prabir Kumar Haldar	2009	Ring type events and Nuclear collision at SPS energies and Nuclear Refractive Index	Acta Physica Polonica B Vol 40 (2009) 2355-2361	0.34
19.	D. Ghosh, A. Deb, S. Ghosh, P. Mondal A. K. Mallik and Prabir Kumar Haldar	2009	Azimuthal Correlation and fractal study of compound hadrons (pions and protons) at Dubna and sps energies	Indian J. Phys. 83(10) 1463 - 1485 (2009)	1.785

20.	D. Ghosh, A. Deb, S. Sarkar and <u>Prabir Kumar Haldar</u>	2008	Multifragmentations of targets at SPS energy-evidence of both monofractality and multifractality	Fractals Vol.16, No. 2 (2008) 1-6	0.500
21.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> and S. Guptaroy	2008	Fluctuation and Fractal Characteristics of Ring like and Jet like events produced at SPS Energies	Indian J. of Phys.82(10)1339-1371(2008)	1.785
22.	D. Ghosh, A. Deb, <u>Prabir Kr. Haldar</u> & S. Guptaroy	2007	Signature of void probability scaling in jet like events ^{16}O – AgBr interactions at 60 GeV/n	Astroparticle Physics 27(2007)127-133	4.136
23.	D. Ghosh, A. Deb, S. Ghosh, P.Mondal & <u>Prabir Kumar Haldar</u>	2007	Fractality of emission of compound multiplicity in ^{12}C – AgBr interactions at 4.5 A GeV	Can. J. Phys. 85: 1-8 (2007); doi: 10.1139/p07-042	0.864
24.	D. Ghosh, A. Deb, <u>Prabir Kr. Haldar</u> , S.I. Ahmed and P. Ghosh	2007	Self-Affine Scaling and Non-Thermal Phase Transition in Target Fragments of Muon-Nucleus Interactions at High Energy.	Modern Physics letter A, Vol. 22, No. 23 (2007) 1759 – 1768	1.172
25.	D. Ghosh, A. Deb, <u>Prabir Kr. Haldar</u> & S. Guptaroy	2007	Azimuthal asymmetry and dynamical fluctuation of compound multiplicity in nucleus-nucleus collisions at ultra-relativistic energy	Can. J. Phys. 85: 1-9 (2007); doi: 10.1139/p07-051	0.864
26.	D. Ghosh, A. Deb, <u>Prabir Kr. Haldar</u> & A. Dhar	2007	Pronounced pionic self-similarity in ring-like events in ^{16}O -AgBr interactions	EPL, 80 (2007) 22003	2.893
27.	D. Ghosh, A. Deb, <u>Prabir Kr. Haldar</u> & S. Guptaroy	2007	Study of Multidimensional fluctuation and non-thermal phase transition study in ring and Jet like events in ultra-relativistic nuclear collisions	Indian journal of Pure and Applied Physics, 45 (2007), 419 -424	0.511
28.	D. Ghosh, A. Deb, S. Ghosh, P. Mondal and <u>Prabir Kr. Haldar</u>	2007	Dynamical fluctuation of compound multiplicity in nucleus-nucleus interactions at 4.5 A GeV ----Evidence of projectile dependence of Azimuthal asymmetry	Indian journal of Pure and Applied Physics, Vol.45, Dec. 2007, pp. 965-968	0.511
29.	D. Ghosh, A. Deb, S. Sarkar and <u>Prabir Kumar Haldar</u>	2006	Strong self similar fluctuations of target fragments in ring-like events in Ultra-relativistic nuclear collision	Chinese Phys. Letts. Vol.23, No. 11(2006) 2944	0.972
30.	D. Ghosh, A. Deb, S. Sarkar and <u>Prabir Kumar Haldar</u>	2006	Pronounced fluctuation of target fragments in forward hemisphere only in Ultra-relativistic nuclear collision	Chinese Phys. Letts. Vol.23, No. 6(2006) 1441	0.972
31.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> and S. R. Sahoo	2006	Maximum pseudorapidity gap analysis in nuclear interaction at few GeV to few hundred GeV	Fizika B (Zagrab) 12 (2006) 3, 133 - 140	0.222
32.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> , P. Ghosh and S.I. Ahmed	2006	Fragmentation of targets in Muon-nucleus interactions at (420 +_ 45) GeV strong two particle azimuthal correlation	Fizika B (Zagrab) 15 (2006) 3, 107 - 114	0.222
33.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> and Sima Guptaroy	2006	Evidence of strong pion fluctuation in jet like events in ^{32}S – AgBr interaction	Chinese Phys. Letts. Vol.23, No. 4(2006) 815	0.972

34.	D. Ghosh, A. Deb, S. Sarkar and <u>Prabir Kumar Haldar</u>	2006	Dynamical azimuthal fluctuation of target fragments in forward and backward hemisphere in case of $^{32}\text{S} - \text{AgBr}$ interaction	Indian J. Phys. 80(10) (2006) 1029-1032	1.785
35.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> and Sima Guptaroy	2006	Azimuthal pion fluctuation & phase transition in ultra-relativistic ring like and jet like events	Indian J. Phys. 80(8), 807-813(2006)	1.785
36.	D. Ghosh, A. Deb, S. Pal, <u>P. K. Haldar</u> , S. Bhattacharyya, P. Mondal, S. Biswas and M. Mondal	2005	Evidence of fractal behavior of pions and protons in high energy interaction – an experimental Investigation	Fractals, Vol. 13. No.4(2005)325-329	0.500
37.	D. Ghosh, A. Deb, P. Mondal, S. Biswas and <u>Prabir Kr. Haldar</u>	2005	Compound multiplicity distribution in nucleus-nucleus interactions – phase transition study\	Fizika B 14(2005)3, 317 - 326	0.222
38.	D. Ghosh, A. Deb, M. Banerjee Lahiri, P. Ghosh and S.I.Ahmed and <u>Prabir Kr Haldar</u>	2004	Multifractal behaviour of nuclear fragments in high energy leptonic interactions	Physical Review C 70, 054903 (2004)	3.125
39.	D. Ghosh, A. Deb, <u>Prabir Kumar Haldar</u> , S. R. Sahoo and D. Maity	2004	Validity of negative binomial multiplicity distribution in case of ultra-relativistic nucleus-nucleus interaction in azimuthal bins	Europhysics letters 65(3), pp. 311-315(2004)	2.893
40.	D. Ghosh, A. Deb, M. Banerjee Lahiri, P. Mondal, S. Biswas and <u>Prabir Kr. Haldar</u>	2004	Non - statistical fluctuation in compound multiplicity distribution in ultrarelativistic nuclear collisions-factorial correletor study	J. Phys. G: Nucl. Part. Phys.30 (2004) 1 – 8	2.124
41.	D. Ghosh, A. Deb, S. R.Sahoo, <u>Prabir Kr.Haldar</u> and M. Mondal	2004	Proton emission in nucleus nucleus interactions at 14.5 A GeV - Evidence of monofractality	Europhysics letters 65(4), pp. 472-477(2004)	2.893
42.	D. Ghosh, A. Deb, S. R.Sahoo, <u>Prabir Kr.Haldar</u> , and M. Mondal	2004	Dynamical fluctuation of proton emission in heavy ion interactions	Indian J. Phys. 78 II (2004) 1249 – 1252	1.785
43.	D. Ghosh, A. Deb, S.R.Sahoo, <u>Prabir Kr.Haldar</u> , K. K. Patra and J. Ghosh	2004	Proton emission in asymmetric nuclear interactions at 14.5 A GeV ---- Evidence of strong dynamical fluctuation	Indian Pure and Applied Physics Vol. 42, June 2004, pp. 403 - 406	0.511
44.	D. Ghosh, A. Deb, <u>Prabir Kr.Haldar</u> and S. R.Sahoo	2003	Fragmentation in ^{32}S -AgBr interaction at 200 GeV/n – Evaporation model revisited	Indian J. Phys. 77A(1), 63-65 (2003)	1.785
45.	D. Ghosh, A. Deb, <u>Prabir Kr.Haldar</u> and S. R.Sahoo	2003	Observation of Void Probability Scaling of Proton Emission in High Energy Nucleus-Nucleus Collisions	Modern Physics Letter A Vol. 18, No. 32(2003) 2281-2286	1.172
46.	Dipak Ghosh, Argha Deb, <u>Prabir Kr.Haldar</u> and S. R.Sahoo, A. Jaffery	2002	Multifractal specific heats in ultra-high energy nuclear collisions	Nuclear Physics A 707(2002) 213-223	1.821

47.	D. Ghosh, A. Deb, S.R. Sahoo, K. K. Patra, P.K. Haldar , J. Ghosh	2002	Evidence of dynamical fluctuation of target residues in relativistic Nuclear interaction at 14.5 A GeV	Czechoslovak Journal of Physics 52(2002) No.6	0.330
48.	Ghosh, D.; Deb, A.; Bhattacharyya, S.; Mondol, M.; Das, R.; Ghosh, J.; Chattopadhyay K.; Sarkar, R.; Mukherjee, S.; Biswas, S.; Mondal, P.; Patra, K. Kr.; Dutta, I.; Sahoo, S. R.; Haldar, P. ; Prasad, S.; Ghosh, S	2002	Target Fragmentation in ^{28}Si -AgBr interactions at 14.5 AGeV. Evidence for two-and many-particle dynamical Correlations	Fizika B 11(2002) 1, 73-82	0.222
49.	Ghosh, D.; Deb, A.; Bhattacharyya, S.; Mondol, M.; Das, R.; Ghosh, J.; Chattopadhyay K.; Sarkar, R.; Mukherjee, S.; Biswas, S.; Mondal, P.; Patra, K. Kr.; Dutta, I.; Sahoo, S. R.; Haldar, P. ; Prasad, S.; Ghosh, S	2002	Non-statistical fluctuation of 'compound multiplicity' in nucleus-nucleus interactions -- --- evidence of strong intermittency	Chinese Phys. Letts. 19(2002) 1436	0.972
50.	D. Ghosh, A. Deb, S. R.Sahoo and Prabir Kr.Haldar	2002	A study on azimuthal asymmetry of emission of pions produced in ultra-relativistic nuclear collisions	Europhysics letters 56(5), pp. 639-643(2001)	2.893
51	Ghosh, D.; Deb, A.; Bhattacharyya, S.; Mondol, M.; Das, R.; Ghosh, J.; Chattopadhyay K.; Sarkar, R.; Mukherjee, S.; Biswas, S.; Mondal, P.; Patra, K. Kr.; Dutta, I.; Sahoo, S. R.; Haldar, P. ; Prasad, S.; Ghosh, S	2002	Fragmentation of targets in ^{28}Si -AgBr interactions at 14.5 A GeV— Signature of side splash and strong azimuthal correlation	Indian J. Phys. 76A(3), 277-281 (2002)	1.785
52.	D. Ghosh, A. Deb, Prabir Kr.Haldar and S. R.Sahoo	2000	Fragmentation in ^{16}O -AgBr interactions at 60 GeV/n , Evaporation model revisited	Fizika B (Zagreb) 9 (2000) , 4 , 197-202	0.226

I3 International Conference Papers

Sl. No	Author(s)	Year	Title	Name and Place of Conference	Presented/ Published/ Both
1.	S. K. Manna & P. K. Haldar	2010	Factorial correlators and Oscillatory multiplicity moments study at the CERN SPS energy for Ring-like and Jet-like events	ICPAQGP 2010', GOA, 6-10 th Dec,2010	Published

2.	P. K. Haldar , S. K. Manna, & P. Saha	2010	Searching for Ring-like and Jet-like substructure in $^{24}\text{Mg-Ag/Br}$ interactions at 4.5 A GeV	ICPAQGP 2010', GOA, 6-10 th Dec,2010	Presented & Published
3.	P. K. Haldar , S. K. Manna, M.K.Ghosh, A.Mukhopadhyay, D. Roychowdhury, G. Singh	2010	Search for Ring and Jet-Like Structures in Particle Emission from High-Energy Nucleus-Nucleus Collisions	ACISNR 2010, May 5-7, 2010, Fredonia, New York, USA	Published
4.	M. K.Ghosh, P. K. Haldar , S. K. Manna, A. Mukhopadhyay and G. Singh	2009	Non Statistical fluctuation Study in nucleus-nucleus Collisions at CERN SPS Energy	International Symp. of Nuclear Physics, BARC, Mumbai, 8-10 th Dec, 2009	Presented & Published
5.	M. K.Ghosh, P. K. Haldar , S. K. Manna, A. Mukhopadhyay and G. Singh	2009	Two-dimensional intermittency in $^{16}\text{O-Ag/Br}$ interactions at 200A GeV/c	International Symp. Of Nucl. Physics, BARC, Mumbai, 8-10 th Dec, 2009	Presented & Published
6.	Ghosh, D.; Deb, A.; Bhattacharyya, S.; Mondol, M.; Das, R.; Ghosh, J.; Chattopadhyay K.; Sarkar, R; Mukherjee, S Biswas, S.; Mondal, P.; Patra, K. Kr.; Dutta, I.; Sahoo, S. R.; Haldar, P ; Prasad, S.; Ghosh, S	2005	Modified two sources quantum statistical model and pionisation in relativistic and ultra-relativistic nuclear collisions	5 th International Conference on physics and astrophysics of Quark Gluon Plasma, Feb 8-12, 2005	Published
7.	P. K. Haldar et al.,;	2005	Multiparticle Production and void probability scaling – A new observation	CINPP Conf., Jadavpur University, Feb. 4-7, 2005	Presented & Published
8.	P. K. Haldar et al.,	2001	Chaos in particle Production in Ultra Relativistic Nuclear Collisions	ICPA – QGP, JAIPUR, Nov. 26-30,2001	Published
9.	P. K. Haldar et al.,	2001	Evidence of Constant Multifractal Specific Heat in Hadronic Collisions at high energies	ICPA – QGP, JAIPUR, Nov. 26-30,2001	Published

I4 National Conference Papers

Sl. No	Author(s)	Year	Title	Name and Place of Conference	Presented/ Published/ Both
1.	Sanjib Kumar Manna, Prabir Kumar Haldar	2014	Multifractal detrended fluctuation analysis of $^{16}\text{O-Ag/Br}$ interaction at 60A GeV	DAE Symposium on Nuclear Physics, Delhi, Dec. 3-7,2012	Accepted for presentation
2.	Prabir Kumar Haldar , Sanjib Kumar Manna	2012	Wavelet analysis of unusual Superspiky event produced in $^{32}\text{S-Ag/Br}$ interactions at 200A GeV/c	DAE Symposium on Nuclear Physics, Delhi, Dec. 3-7,2012	Published

3.	Prabir Kr Haldar, Sanjib Kumar Manna, and Prosenjit Saha	2012	Wavelet analysis of Ring and Jet-like events at CERN SPS Energy	DAE Symposium on Nuclear Physics, Delhi, Dec. 3-7,2012	Published
4.	Prabir Kumar Haldar, Sanjib Kumar Manna	2011	Wavelet analysis in high multiplicity events at CERN SPS energy	DAE Symposium on Nuclear Physics, Visakhapatnam, 26-30 th Dec, 2011	Published
5.	Sanjib Kumar Manna, Prosenjit Saha & Prabir Kumar Haldar	2011	Jet-like structure and Two-dimensional intermittency study at CERN SPS Energy	DAE Symposium On Nuclear Physics, 26-30 th Dec, 2011	Published
6.	P. K. Haldar, S. K. Manna	2010	Non-statistical fluctuation study of pions in unusual superspiky Ring-like and spiky events at CERN SPS energy	'XIX HEP Symposium ,Jaipur, 13-18 th Dec, 2010	Published
7.	P. K. Haldar, S. K. Manna, A. Mukhopadhyay and G. Singh	2010	Self-affine multiplicity fluctuation of charged particles at CERN SPS energy	'XIX HEP Symposium 2010' Jaipur, 13-18 th Dec, 2010	Published
8.	Prabir Kumar Haldar, Sanjib Kumar Manna & Prasenjit Saha	2010	Factorial correlators and oscillatory multiplicity moments study in ¹⁶ O - Ag/ Br interactions at 60 A GeV for Ring like and Jet like events	'XIX HEP Symposium 2010' Jaipur, 13-18 th Dec, 2010	Published
9.	P. K. Haldar, S. K. Manna, A. Mukhopadhyay and G. Singh	2010	Evidence of dynamical fluctuation of emission of pions produced in ultra-relativistic nuclear collisions at 200A GeV/c for different projectiles	DAE Symposium On Nuclear Physics, Pilani 20-24 th Dec, 2010	Presented & Published
10.	Prabir Kumar Haldar, Sanjib Kumar Manna & Prosenjit Saha	2010	Factorial correlators study for Ring-like and Jet-like events at CERN SPS energy	DAE Symposium On Nuclear Physics, Pilani 20-24 th Dec, 2010	Presented & Published
11.	Prabir Kumar Haldar, Sanjib Kumar Manna & Prosenjit Saha	2010	Peculiarities of Produced Particles in heavy-ion Collisions at CERN SPS Energy	DAE Symposium On Nuclear Physics, Pilani 20-24 th Dec, 2010	Presented & Published
12..	P. K. Haldar, S. K. Manna, A. Mukhopadhyay and G. Singh	2010	Jet-structure in ¹⁶ O-Ag/Br interaction at 200 A GeV/c,	DAE Symposium On Nuclear Physics, Pilani 20-24 th Dec, 2010	Presented & Published

Regional/State level Conference Papers

Sl. No	Author(s)	Year	Title	Name and Place of Conference	Presented/ Published/ Both
1.	Sanjib Kr. Manna, Prosenjit Saha, Prabir Kr. Haldar and Dipak Ghosh	2012	Peculiarities and Intermittency Study of Target Fragments at CERN SPS Energies	19 th State Science & Technology Congress, SINP (1 st -2 nd March, 2012)	Presented & Published

2.	Prabir Kr Haldar, Sanjib Kumar Manna & Prosenjit Saha	2011	Non-Statistical fluctuations of pions for Ring and Jet-like events at CERN SPS energy – An in-depth analysis with Factorial Correlator	18 th State Science & Technology Congress, Ramakrishna Mission Ashrama, Narendrapur, Kol. 103 (28 th Feb.-1 st March), 2011	Presented & Published
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Books: 2

- ENGINEERING PHYSICS (PAGES- 611) ISBN: 978-81-318-0366-0**
Author: Dipak Chandra Ghosh, Nripesh Chandra Ghosh, **Prabir Kumar Haldar**
Publisher: Laxmi Publications, Delhi
Edition: First, 2008 , 2ND EDITION - 2016; 1ST EDITION - 2016,
Language: English
- MODERN ENGINEERING PHYSICS (PAGES: 256) ISBN: 9789383828586**
Author: Dipak Chandra Ghosh, Nripesh Chandra Ghosh, **Prabir Kumar Haldar**
Publisher: Laxmi Publications, Delhi
Edition: First; 1ST EDITION - 2016,
Language: English

Sponsored Projects

Period	Sponsoring Organization	Title of Project	Amount of Grant	Co- Investigators (if any)	Status (Ongoing/ Completed)
Dated: 19/02/2007 Duration : two Years	University Grants Commission	Fluctuation Studies of Pionisation Process for ring like and Jet like events in Ultra-Relativistic Nuclear Interactions	Rs. 90,000/-	Principal Investigator	Completed
Recommended Date 25/09/2008 Started on 03.04.2009 (duration three years)	Department of Science of Technology (SERC Fast Track Scheme For Young scientists)	Investigation of ring like (Super spiky) events in Ultra-relativistic Nuclear Interactions -- evidence of QGP formation or Cerenkov Gluon Radiation (A new Concept in High energy Physics)	Rs. 14,69,200/- Manpower: One JRF	Principal Investigator	Completed

Thesis (Ph. D) Supervision (at all the organizations that you have worked with)

Sl. No	Name of the student	Year of Completion	Title of Thesis	Other Guide (if any)
1.	Sanjib Kr. Manna (J.R.F of the Project)	Course work & Registration completed. Submitted very soon.	Non-statistical Fluctuation of Singly Charged Particles Produced in 160-Ag/Br Interaction at 200A GeV/c	Prof. Amitabha Mukhopadhyay, Dean of Science, University of North Bengal
2.	Prosenjit Saha			

Fellowship/Awards & Invited Lectures and Chairmanship at national or international conference etc

Title of Lecture/	Title of Conference / Seminar	Organized by	Whether international /national	API Score
ULTRA RELATIVISTIC NUCLEAR INTERACTIONS EVIDENCE OF QGP FORMATION OR CERENKOV GLUON RADIATION	FRONTIERS IN SCIENCE AND TECHNOLOGY TOWARDS NATIONAL DEVELOPMENT	A. B. N. SEAL COLLEGE, COOCH BEHAR	NATIONAL	5