



# Prof. Prabir Kumar Haldar

Publications

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## ::PUBLICATION DETAILS::

- [1] Enhancement of data storage capability in a bilayer oxide based memristor for wearable electronic applications, - A. Siddik, P. K. Haldar, P. Garu, S. Bhattacharjee, U. Das, A. Barman, A. Roy, P. K. Sarkar, *J. Phys. D: Appl. Phys.* <https://doi.org/10.1088/1361-6463/ab81d3>, (2020).
- [2] Enhancement of luminescence behaviour of colloidal ZnO quantum dots coated with SiO<sub>2</sub> irradiated by Ni<sup>+7</sup> ion-D. Chakdar, A. Siddik, N. Ghosh, G. Gope, and P. K. Haldar, *Advanced Science, Engineering and Medicine* **22**, 278-283,(2020).
- [3] Wavelet Analysis of Produced Pions in <sup>24</sup>Mg – Ag/Br Interactions at 4.5 A GeV/c-P. Saha, N. Subba, A. Ahmed and P. K. Haldar, *Braz. J. Phys.* <https://doi.org/10.1007/s13538-020-00736-z>,(2020).
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- [9] Ring and jet study on the azimuthal substructure of pions at CERN SPS energy-P.K. Haldar, S.K. Manna, P.Saha, D. Ghosh, *PRAMANA J Phys* **80(04)**, 631-642, (2012)

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- [11] Peculiarities in the Distribution of Produced Particles emission in  $^{24}\text{Mg}$ -Ag/Br interactions at 4.5 A GeV -P.K. Haldar, S.K. Manna, P.Saha, D. Ghosh, *Indian Journal of Pure and Applied Physics* Vol. 50, 156-160, (2012).
- [12] Non-Statistical Fluctuations Of Pions For Ring- And Jet-Like Events At CERN SPS Energy - An In-Depth Analysis With Factoial Correlator - P.K. Haldar, S.K. Manna, P.Saha, D. Ghosh, *International Journal of Modern Physics E* Vol. 20, No. 9, 2027-2038, (2011).
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- [2] Wavelet analysis of unusual Superspiky event produced in  $^{32}S - Ag/Br$  interactions at 200A GeV/c- P. K. Haldar,S. K. Manna, **DAE Symposium on Nuclear Physics, Delhi**, Dec.3-7,(2012).
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- [6] Non-statistical fluctuation study of pions in unusual superspiky Ring-like and spiky events at CERN SPS energy- P. K. Haldar, S. K. Manna **XIX HEP Symposium ,Jaipur**, Dec.13-18,(2010).
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- [9] Evidence of dynamical fluctuation of emission of pions produced in ultra-relativistic nuclear collisions at 200A GeV/c for different projectiles- P. K. Haldar, S. K. Manna, A. Mukhopadhyay and G. Singh, **DAE Symposium on Nuclear Physics, Pilani**, Dec.20-24,(2010).
- [10] Factorial correlators study for Ring-like and Jet-like events at CERN SPS energy - P. K. Haldar, S. K. Manna and P. Saha, **DAE Symposium on Nuclear Physics ,Pilani**, Dec.20-24,(2010).
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- [12] Jet-structure in  $^{16}O - Ag/Br$  interaction at 200 A GeV/c, - P. K. Haldar, S. K. Manna, A. Mukhopadhyay and G. Singh, **DAE Symposium on Nuclear Physics, Pilani**, Dec.20-24,(2010).

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- [1] Peculiarities and Intermittency Study of Target Fragments at CERN SPS Energies - S. K. Manna, P. Saha, P. K. Haldar and D. Ghosh, **19<sup>th</sup> State Science & Technology Congress, SINP**, Mar.01-02,(2012).
- [2] Non-Statistical fluctuations of pions for Ring and Jet-like events at CERN SPS energy - An in-depth analysis with Factorial Correlator - S. K. Manna, P. Saha, P. K. Haldar and D. Ghosh, **18<sup>th</sup> State Science & Technology Congress, 103**, Ramakrishna Mission Ashrama, Narendrapur, Kolkata, Feb 28<sup>th</sup> – 1<sup>st</sup> Mar.,(2011).

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