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Target Excitation Dependence of Fluctuation of Pion Fluctuations in Ultra-relativistic Nuclear Collisions at 200 A GeV

Content :

A detailed study on target excitation dependence of event-to-event fluctuation pattern of pions produced in 32S-AgBr interactions at 200 AGeV has been performed with the help of the parameter 'entropy index', which is a measure of chaoticity in multiparticle production process. A positive dependence of chaoticity on excitation of targets is indicated by the data.

Primary authors : Prof. GHOSH, Dipak (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India)

Co-authors : Prof. DEB, Argha (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India) ; Dr. MONDAL, Mitali (. A. Jaipuria College, Kolkata – 700005) ; Mr. MONDAL, Arindam (RCC Institute of Information Technology, Beliaghata, Kolkata- 700 015) ; Dr. PATRA, Kanchan (RCC Institute of Information Technology, Beliaghata, Kolkata- 700 015) ; Dr. BANERJEE LAHIRI, Madhumita (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India) ; Dr. JAFRY, Abdul Kayum (Shibpur Dinobundhoo College, 412/1 G.T. Rd.(South), Howah-711102) ; Dr. GHOSH, Jayita (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India)

Presenter : Prof. DEB, Argha (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India) ; Mr. MONDAL, Arindam (RCC Institute of Information Technology, Beliaghata, Kolkata- 700 015) ; Dr. GHOSH, Jayita (Nuclear and Particle Physics Research Centre, Department of Physics, Jadavpur University, Kolkata – 700032, India)

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