India-JINR Workshop on Particle, Nuclear, Neutrino Physics and Astrophysics

Monday, 10 November 2025

Relativistic nuclear collisions and QGP - Homi Bhabha Hall (14:30 - 16:00)

-Conveners: Santosh Kumar Das

time	[id] title	presenter
14:30	[12] Hard probes in heavy-ion collisions at RHIC	Prof. SAHOO, Nihar Ranjan
15:00	[13] Λ spin polarization from dissipative spin hydrodynamics	Dr SINGH, Sushant Kumar
15:20	[14] Collectivity in Small Collision Systems at the LHC	Prof. SARKAR, Debojit
15:40	[15] Heavy and light mesons in the frame of effective QCD-inspired models	Dr FRIESEN, Alexandra

Tuesday, 11 November 2025

Relativistic nuclear collisions and QGP (14:30 - 16:00)

-Conveners: Vinod Chandra

time	[id] title	presenter
14:30	[34] Mean field approach to QCD vacuum and hadron properties.	Prof. NEDELKO, Sergey
15:00	[35] Hypertriton Puzzle in Relativistic Heavy-Ion Collisions	Dr PRADEEP, Maneesha Sushama
15:20	[36] Probing Gluon Spin Structure at the SPD	Dr DATTA, Amaresh
15:40	[37] The causality-stability paradox of relativistic hydrodynamics	Dr MITRA, Sukanya

Relativistic nuclear collisions and QGP (16:30 - 17:10)

-Conveners: Nihar Ranjan Sahoo

time	[id] title	presenter
16:30	[66] Relativistic Spin Hydrodynamics in General Frame	Dr BHADURY, Samapan
16:50	[39] Dilepton Measurements in the MPD experiment at NICA: Performance and Capabilities	Dr RODE, Sudhir Pandurang

Wednesday, 12 November 2025

Relativistic nuclear collisions and QGP (14:30 - 16:00)

-Conveners: Sabyasachi Ghosh

time	[id] title	presenter
14:30	[60] Lattice study of rotating QCD properties	Dr ROENKO, Artem
15:00	[61] Phenomenological constraints on transport properties of QCD matter with quantified theoretical uncertainties	Dr JAISWAL, Sunil K
15:20	[62] Collective modes in chiral QCD plasma	Dr CHAUDHURI, Nilanjan
15:40	[63] FoCal @ ALICE - Indian Participation	Prof. MUHURI, Sanjib

Relativistic nuclear collisions and QGP (16:15 - 16:55)

-Conveners: Narayan Rana

time	[id] title	presenter
16:15	[64] A Toy Model Study of Geometric Effects on Topological Transitions in Heavy-Ion Collisions	Prof. MUKHERJEE, Tamal Kumar
16:35	[65] Finite volume effect on QCD phase transition using NJL model	Dr MOHAPATRA, Ranjita Kumari