



# India-JINR workshop on elementary particle and nuclear physics, and condensed matter research

## Monday, 16 October 2023

### Section 1: High energy nuclear and particle physics (Theory) (14:30 - 16:10)

-Conveners: Trambak Bhattacharyya

time	[id] title	presenter
14:30	[67] Fate of the attractor solution in an external force in the relativistic kinetic theory	ROY, Victor
14:50	[68] Equivalence role between Lorentz force and Coriolis Force in QGP	GHOSH, Sabyasachi
15:10	[69] Impact of Memory on Heavy Quark Diffusion in Hot QCD Matter.	DAS, Santosh K.
15:30	[70] Heavy quarkonium potential in presence of magnetic field	HAQUE, Najmul
15:50	[5] Critical effects on the evolution of Quark Gluon Plasma	HASANUJJAMAN, Md

# Tuesday, 17 October 2023

## Section 1: High energy nuclear and particle physics (14:30 - 16:10)

-Conveners: Victor Braguta

time	[id] title	presenter
14:30	[86] Exotic hadrons from lattice QCD	MATHUR, Nilmani
14:50	[87] Effects of finite volume on the QCD phase diagram	DATTA, Saumen
15:10	[88] Constructing the equation of state of strongly interacting matter. Self-consistent approaches	KOLOMEITSEV, Evgeni
15:30	[18] SU(3) Dual QCD Quark-hadron phase transition at finite temperature & chemical Potential	PUNETHA, Garima
15:50	[29] Investigating a non-extensive QCD medium in extreme conditions	CHOWDHURY, Aminul Islam

# Wednesday, 18 October 2023

## Section 1: High energy nuclear and particle physics (14:30 - 16:10)

-Conveners: Harleen Dahiya

time	[id] title	presenter
14:30	[25] QCD mesonic screening masses using Gribov quantization	RANA, Sumit
14:50	[11] Density and Pressure Distribution inside Proton	ZAW WIN, Thandar
15:10	[42] Diffractive vector meson production at HERA using holographic light-front QCD	GURJAR, Bheemsehan
15:30	[12] Effect of Coriolis Force on Shear Viscosity : A Non-Relativistic Description	AUNG, Cho Win
15:50	[13] Effect of Coriolis Force on Electrical Conductivity: A Non-Relativistic Description	DWIBEDI, Ashutosh