

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

Monday, 16 October 2023

Plenary (09:00 - 10:30)

-Conveners: Richard Lednicky

time	[id] title	presenter
09:00	[62] Spin polarization as a signal of QCD critical point.	ALAM, Jan-e
09:30	[63] Understanding the formation of a deconfined medium in small collision systems at the Large Hadron Collider	SAHOO, Raghunath
10:00	[64] Status and physics capabilities of the MPD experiment at NICA	RIABOV, Victor

Plenary: Plenary (11:00 - 13:00)

-Conveners: Alexander Olshevskiy

time	[id] title	presenter
11:00	[48] Influence of relativistic rotation on QCD properties	BRAGUTA, Victor
11:30	[65] Exploring gluon TMDs at electron ion collider	MUKHERJEE, Asmita
12:00	[66] Deep Underground Neutrino Experiment (DUNE): Possible Indian Collaboration with JINR on Detector Development	BHUYAN, Bipul
12:30	[45] QCD and gravity	TERYAEV, Oleg

Tuesday, 17 October 2023

Plenary (09:00 - 10:30)

-Conveners: Viktor Riabov

time	[id] title	presenter
09:00	[80] Quark Matter under magnetic field	SARKAR, Sourav
09:30	[81] Production cross-sections of Heavy Quarkonium states in magnetized strange hadronic matter at finite temperature	MISHRA, Amruta
10:00	[17] Relativistic spin-(magneto)hydrodynamics	JAISWAL, Amaresh Kumar

Plenary (11:00 - 13:00)

-Conveners: Sergey Sidorchuk

time	[id] title	presenter
11:00	[82] Topical problems of nuclear physics solved at FLNR JINR	KARPOV, Alexander
11:30	[84] Exploring Fission Valleys of HE and SHE	GHOSH, Tilak K.
12:00	[83] Heavy-ion fusion and fission study at the low energy region	MAITI, Moumita
12:30	[112] Applied research at NICA facility: new gates for cooperation in life sciences, materials sciences and nuclear technology	BELOV, Oleg

Wednesday, 18 October 2023

Plenary (09:00 - 10:30)

-Conveners: Sourav Sarkar

time	[id] title	presenter
09:00	[98] Non-linear Hall effect	SAHA, Kush
09:30	[85] Light, Large & Lustrous: The Many Accomplishments of Digital INGA @ VECC	GHUGRE, Sandeep S.
10:00	[97] Multifunctional Information and Computing Complex to Support JINR Research	VOYTISHIN, Nikolay

Plenary (11:00 - 13:00)

-Conveners: Norbert Kucerka

time	[id] title	presenter
11:00	[100] Condensed Matter and Nuclear Physics Research at Frank Laboratory of Neutron Physics	KOPATCH, Yuri
11:30	[30] Biochemical and Biophysical Characterization of Synthetic anti-VEGF Antigen Binding Fragment for Treating Wet-AMD and Diabetic Retinopathy	RAMCHAND, C. N.
12:00	[101] Controlling the mechanical and thermal properties of entropy stabilized oxides by intelligent control of cooling rates	VIJAYKUMAR, Ravi K. N.
12:30	[102] Utilizing Scattering Techniques for Investigating Polymers under Confinement	SATAPATHY, Dilip K.