

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

Monday, 16 October 2023

Section 2: High energy nuclear and particle physics (Experiment) (14:30 - 16:10)

-Conveners: Arkadiy Taranenko

time	[id] title	presenter
14:30	[71] Study of heavy flavour hadrons through semi-leptonic decay channel with ALICE	ROY, Ankhi
14:50	[73] Exploring underlying events with transverse activity , $S_{\{T\}}$ observable	DASH, Sadhana
15:10	[72] Kinetic freeze-out in low energy relativistic nuclear collisions	BHADURI, Partha P.
15:30	[43] Bulk of the particle production and collective behavior study for searching the QGP in small collision system	PATRA, Rajendra Nath
15:50	[39] Prospects for Dilepton Measurements in MPD at NICA	RODE, Sudhir Pandurang

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Section 2: Spin physics and hadron structure (14:30 - 16:10)

-Conveners: Amaresh Datta

time	[id] title	presenter
14:30	[89] The Spin Physics Detector project at NICA	GUSKOV, Alexey
14:50	[90] Charge distribution inside strange baryons in impact parameter space and transverse coordinate space	DAHIYA, Harleen
15:10	[33] Twist-3 TMD factorization using Gaussian ansatz in the LFQDM.	SHARMA, Shubham
15:30	[56] Gluon distributions in the proton in a light-front spectator model	CHOUDHARY, Poonam
15:50	[28] Impact of finite magnetic field on asymmetric quark matter	CHAHAL, Nisha

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Section 2: Neutrino physics, cosmology and astrophysics (14:30 - 16:00)

-Conveners: Oleg Smirnov

time	[id] title	presenter
14:30	[103] Status of the Baikal-GVD neutrino telescope and selected results	SHAYBONOV, Bair
15:00	[47] Thermal effects on weak-interaction nuclear reaction under supernova conditions	DZHIOEV, Alan
15:20	[104] The trilinear Higgs coupling and new physics	DAS, Chitta Ranjan
15:40	[59] BEC Stars in Rastall and Rainbow Gravities	SREEKANTH, V.