

Extended day of the XIII International Conference on New Frontiers in Physics 2024

Thursday 12 December 2024

Extended session: Quantum Physics, Quantum Optics and Quantum Information - Room 1 (13:30 - 14:00)

-Conveners: Sonia Kabana

time	[id] title	presenter
13:30	[243] Duality of Turbulence to String Theory	MIGDAL, Alexander

Extended session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 1 (14:00 - 14:40)

-Conveners: Sonia Kabana

time	[id] title	presenter
14:00	[85] Recent LST Science results	STRIŠKOVIĆ, Jelena
14:20	[12] A probabilistic expanding universe under functors of actions	NTELIS, Pierros

Extended session: Heavy Ion Collisions and Critical Phenomena - Room 1 (14:40 - 15:20)

-Conveners: Sonia Kabana

time	[id] title	presenter
14:40	[210] Leptons from HF (Heavy-Flavor) decays : Measurements and Inferences towards small systems	Dr DAS, Debasish
15:00	[225] Equation of state of quark gluon plasma in dynamical magnetic fields	Dr KUMAR, Yogesh

Extended session: Cosmology, Astrophysics, Gravity, Mathematical Physics - Room 2 (15:30 - 15:50)

-Conveners: Istvan Papp

Extended session: Particle Physics - Room 1 (15:30 - 15:50)

-Conveners: Evgeny Zabrodin

time	[id] title	presenter
15:30	[49] Rate of the Small-strip Thin Gap Chambers (sTGC's) in the New Small Wheels of ATLAS	KABANA, Sonia

Extended session: Heavy Ion Collisions - Room 1 (15:50 - 16:50)

-Conveners: Evgeny Zabrodin

time	[id] title	presenter
15:50	[2] Detector and physics simulation using heavy ion collisions at NICA-SPD	Mr PANDEY, Rishav
16:10	[63] Thermodynamic free energy calculation under one loop correction at finite chemical potential	Prof. SOMORENDRO SINGH, Shougaijam

16:30	[74] Study of first-order event plane correlated directed and triangular flow in heavy-ion collisions at high baryon density region by STAR	RAV SHARMA, SHARANG
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Extended session: Interdisciplinary topics - Room 2 (15:50 - 17:10)

-Conveners: Istvan Papp

time	[id] title	presenter
15:50	[224] An Intriguing examination of Band Head and Spin Levels in Superdeformed Nuclei in 130 mass region	JAIN, Poonam
16:10	[89] Ferrite Superconductivity	CHANDRASEKARAN, Deepalakshmi
16:30	[147] A relativistic explanation to the darkness of galactic halos	SULEIMAN, Ramzi

Extended session: Heavy Ion Collisions and Critical Phenomena - Room 1 (16:50 - 17:10)

-Conveners: Evgeny Zabrodin

Extended session: Posters flash talks - Room 1 (17:20 - 19:00)

-Conveners: Anke Lei

time	[id] title	presenter
17:20	[173] Tethered probes unveiling black hole	JAIN, Vidhi
17:30	[239] Particle production mechanism in O + O collisions at $\sqrt{s_{NN}} = 200$ GeV using EPOS4	KHAN, Ahsan Mehmood
17:40	[240] Thermal model analysis of the particle source in small collision systems at RHIC	KABANA, Sonia
17:50	[242] Thermal model investigation of central d+Au collisions at RHIC	Dr BAIRATHI, Vipul
18:00	[216] Expansion of QGP droplet in the early universe	Mr JINDAL, Keshav
18:10	[244] Production of Sexaquark state in high-energy nuclear collisions	LEI, Anke
18:20	[212] Diphotons existence with the effect of finite chemical potential	RAI, Rashika
18:30	[6] Application of deformed quantum formalisms to equations of physics	HANAIA, Abdelaziz
18:40	[193] Investigation of sources affecting longitudinal particle production in heavy-ion collisions using spectators	Dr BAIRATHI, Vipul