

XV Conference of Young Scientists "Problems of Theoretical Physics"

Tuesday 10 June 2025

Physics of Nuclei and Elementary Particles (13:30-17:50)

-Conveners: Mark Gorenstein

time	[id] title	presenter
13:30	[14] STRUCTURE OF HYPERNUCLEUS ${}^7_{\Lambda}\text{Li}$ WITHIN THE THREE-CLUSTER MODEL	KALZHIGITOV, Nursultan
13:50	[15] ON INTERACTION OF LAMBDA HYPERON WITH LIGHTEST NUCLEI IN TWO-CLUSTER MODEL	AMANGELDINOVA, Sabina
14:10	[29] Loop Divergences in the Effective Theory of Chern–Simons Boson–Fermion Couplings	KHASAI, Oleksandr
14:30	[22] Induced Vacuum Magnetic Flux in the Background of a Linear Topological Defect. The case of fermion matter	Mrs ПИЛИПЧУК, Юлія
14:50	Coffee break	
15:10	[37] Integrated HydroKinetic Model at Relativistic Heavy Ion Collider Energies	ADZHYMAMBETOV, Musfer
15:30	[39] A question concerning phase transitions in a pion system of particles and antiparticles	KARPENKO, Vladyslav
15:50	[42] Systematic Investigation of Density Fluctuations in Laser Wakefield Accelerators on the Properties of the Accelerated Electrons	PERETS, Yurii
16:10	Coffee break	
16:30	[6] High-order cumulants near the critical point from molecular dynamics	KUZNIETSOV, Volodymyr
16:50	[4] Femtoscopy of rotating sources	Dr SAVCHUK, Oleh
17:10	[19] Search for hidden particles in intensity frontier experiments	Dr GORKAVENKO, Volodymyr