

XV Conference of Young Scientists "Problems of Theoretical Physics"

Thursday 12 June 2025

Astrophysics and Cosmology (10:00-13:20)

-Conveners: Anton Rudakovskiy

time	[id] title	presenter
10:00	[17] Angular Power Spectrum of the 21 cm Signal from the Dark Ages: Sensitivity to Cosmological Parameters	KOVAL, Danylo
10:20	[49] Sensitivity of the redshifted 21 cm signal from Dark Ages to parameters of primordial magnetic fields	ФОПТУНА, Назарій
10:40	[18] Bayesian analysis of Starobinsky and Higgs inflation models with reheating in light of ACT and DESI data releases	ZHAROV, Dmytro
11:00	[27] An Axion Pulsarscope	KHELASHVILI, Mariia
11:20	[23] Dynamical Friction for Plummer Sphere in Ultralight Dark Matter	ZAPOROZHCHENKO, Andrii
11:40	Coffee Break	
12:00	[48] Hydrodynamical Modeling of Stellar Wind Bubbles for Improved Photoionization Analysis	Mr POZDIEIEV, Andrii
12:20	[25] Detailed Photoionization Analysis of Chemodynamical Simulation Results for the Evolution of Dwarf Star-Forming Galaxies at an Age of 100 Myr	SHEVCHENKO, Mykhailo
12:40	[31] Multicomponent Photoionization Modelling of the First Dwarf Galaxies	CHUDYK, Serhii
13:00	[47] Photoionization analysis of chemodynamical simulations: Cloudy C23.01 vs C08.00	BUHLAK, Volodymyr