



# QUARKS-2024

## Monday 20 May 2024

### Astrophysics (12:35-14:05)

-Conveners: Dmitry Levkov

time	[id] title	presenter
12:35	[18] New results on axions in astrophysics	TROITSKY, Sergey
13:05	[19] Thin layer axion dynamo	DVORNIKOV, Maxim
13:35	[20] Axion electrodynamics in the magnetosphere of magnetars	KHOKONOV, Azamat

### Astrophysics (16:00-17:40)

-Conveners: Maxim Dvornikov

time	[id] title	presenter
16:00	[21] Axion-like particle emission from type Ia supernovae	DAVYDOV, Daniil
16:25	[22] Constraints on axion-like ultralight dark matter from observations of the HL Tauri protoplanetary disk	LIBANOV, Alexander
16:50	[23] Sub-GeV dark matter and neutrino production	KRIVOKURTSEVA, Polina
17:15	[24] Influence of magnetic field on beta-processes in neutrino-driven supernova explosion	DOBRYNINA, Alexandra

### Astrophysics (18:10-19:25)

-Conveners: Boris Stern

time	[id] title	presenter
18:10	[25] Annihilation of positrons from AGN jets as a possible source of cosmic soft gamma-ray background	PSHIRKOV, Maxim
18:35	[27] Astrophysical neutrino from AGN coronae	SOTIROV, Simon