



# Quantum Fluids in the Universe

## Friday, 9 June 2023

### Lighting Talks (12:00 - 13:00)

time	[id] title	presenter
12:00	[33] Modeling of the iron line profiles emitted by accreting relativistic compact object.	Dr ŠPRŇA, René
12:15	[27] How robust are particle physics predictions in asymptotic safety?	Dr RIZZO, Daniele
12:30	[28] Positivity Bounds for Effective Field Theories with Spontaneously Broken Lorentz Invariance	Dr LONGO, Alessandro
12:45	[32] De Sitter Quasinormal Modes from analytical properties	Dr RICCARDI, Flavio

### Lighting Talks (14:00 - 07:00)

time	[id] title	presenter
14:00	[26] Mechanization of scalar field theory in 1+1 dimensions (Part 1)	Dr RAFAJ, Lukáš
14:15	[29] Mechanization of scalar field theory in 1+1 dimensions ( Part 2 )	Dr KARPÍŠEK, Ondra
14:30	[30] Black holes as probes of ultralight dark matter	Dr BUCCIOTTI, Bruno
14:45	[31] Superfluid dark matter flow around cosmic strings	Dr FAVERO, Aline
15:00	[25] Investigating some aspects of non-minimal coupling in the context of dynamical stability approach	Dr CHATTERJEE, Anirban