Session Program

Aug 24 – 30, 2025

The XIX International Conference on Topics in Astroparticle and Underground Physics (TAUP2025)

Cosmology and Particle Physics

Xichang Qionghai Hotel
Xichang, Sichuan, China

Mon, August 25

2:00 PM

Cosmology and Particle Physics: parallel session 1

Session | **Location:** Conference Room F1-R3 | **Convener:** Huaike Guo

2:00 – 2:20 PM

Connecting inflation and the baryon asymmetry with neutrino reheating

Speaker
Xinyi Zhang

2:20 – 2:40 PM

Gravitational waves of GUT phase transition during inflation

Speaker
Xi-He Hu

2:40 – 3:00 PM

Reionization in the axiverse and the preference for low temperature reheating

Speaker
Ziwen Yin

3:00 – 3:20 PM

Multi-Wavelength Probing of Primordial Black Holes as Dark Matter

Speaker
Xiu-hui Tan

3:20 – 3:40 PM

Can dark-matter Q-balls grow to the mass gap masses?

Speaker
Alexander Libanov

3:40 PM

4:00 PM

Cosmology and Particle Physics: parallel session 2

Session | **Location:** Conference Room F1-R3 | **Convener:** Jun Zhang

4:00 – 4:20 PM

Determining properties of dark matter by astronomical observations

Speaker
Xiaojun Bi

4:20 – 4:40 PM

Dark photon dark matter from flattened axion potentials

Speaker
Hong-Yi Zhang

4:40 – 5:00 PM

Constraining Pressure-Based Dark Energy Models with Latest Cosmological Data

Speaker
Hanyu Cheng

5:00 PM