



# International Workshop on New Opportunities for Particle Physics 2025

## Friday, 18 July 2025

Cosmology and Gravitational Wave - Room 124, Multi-discipline Research Center (10:30 - 12:00)

time	[id] title	presenter
10:30	[4] Gravitational wave signal from the early universe	WANG, Lian-Tao
11:00	[5] Recent progress in cosmological collider and cosmological amplitudes	XIANYU, Zhong-Zhi
11:30	[6] Generic spinning binaries from the scattering amplitude perspective	TENG, Fei

Cosmology and Gravitational Wave - Room 124, Multi-discipline Research Center (14:00 - 16:00)

time	[id] title	presenter
14:00	[7] Cosmological implications of massive galaxy surveys	ZHAO, Gong-Bo
14:30	[8] Exploring the dark universe with the Euclid satellite	KUNZ, Martin
15:00	[9] Test of the Chern-Simons Theory with ALICE	LI, Hong
15:30	[39] TBD	SARIDAKIS, Emmanuel N.

Cosmology and Gravitational Wave - Room 124, Multi-discipline Research Center (16:30 - 18:30)

time	[id] title	presenter
16:30	[10] Dark Energy and String Theory	SHIU, Gary
17:00	[11] Explain both DESI Dynamical Dark Energy and S8 Tension with Dark Axion and Dark Baryons Interactions	LIN, Meng-Xiang
17:30	[12] Effective field theory of coupled dark energy and dark matter	TSUJIKAWA, Shinji
18:00	[13] Observational signatures of extra dimensions and modified gravity theories in the light of EHT data	NOZARI, Kourosh