



# Sichuan University and IBS CTPU-CGA joint workshop on frontier of theoretical particle physics and gravity

Monday, 25 May 2026

Morning session 2 - Xiangqing Ting (祥慶), 2F of Xiangyu Hotel (成都祥宇宾馆) (10:50 - 12:20)

-Conveners: Han-qing Zheng

time	[id]	title	presenter
10:50	[30]	A New Origin of the Big Bang Universe and Its Gravitational Wave Signature	AN, Haipeng
11:20	[31]	On homogeneous and isotropic turbulence in the early universe	UCHIDA, Fumio
11:50	[32]	Hints and constraints on ultralight dark matter by astronomical observations	BI, Xiao-Jun

## Tuesday, 26 May 2026

Morning session 2 - Xiangqing Ting (祥庆), 2F of Xiangyu Hotel (成都祥宇宾馆) (10:50 - 12:20)

-Conveners: Pyungwon Ko

time	[id]	title	presenter
10:50	[42]	An Analytic Prescription for t-channel Singularities	SATO, Joe
11:20	[43]	Cosmic Neutrino Background Detection with Tritium	UWABO-NIIBO, Michiru
11:50	[45]	Ultimate Quantum Precision Limit at Colliders	LIU, Jia

# Wednesday, 27 May 2026

Morning session 2 - Xiangqing Ting (祥庆), 2F of Xiangyu Hotel (成都祥宇宾馆) (11:10 - 12:40)

-Conveners: Chengcheng Han

time	[id]	title	presenter
11:10	[59]	Recent progresses on $S_N^{*(920)}$ and $S_{\sigma}$ resonances	XIAO, Zhiguang
11:40	[60]	Boosted dark matter from galactic and cosmological semi-annihilation	BETANCOURT KAMENETSKAIA, Boris
12:10	[61]	Probing quirk particle at the LHC forward detectors	LI, Jinmian