

Chongqing University and IBS CTPU-CGA Joint Workshop on the Frontiers of Theoretical Cosmology

Thursday 21 May 2026

Day 2: Fundamental gravity and observational tests - 1F-9 (10:00-12:00)

-Conveners: Atsuhisa Ota

time	[id] title	presenter
10:00	[59] Detection Capability of Multi-band Detectors for Extra Polarizations of Gravitational Waves	Prof. Jin Li
10:40	[83] Tunneling in cosmology	Prof. Masahide Yamaguchi
11:20	[64] Generalized Entropy Induces Varying-G	Prof. Yen Chin Ong

Day 2: Modified gravity and black holes - 1F-9 (13:30-15:30)

-Conveners: Dra en Glavan

time	[id] title	presenter
13:30	[91] Extensions of scalar-tensor theory: Parity violation and multiple fields	Prof. Xian Gao
14:10	[89] Rethinking Gravity: From Torsion and Nonmetricity to Black Holes and Cosmology	Dr Sebastian Bahamonde
14:50	[73] Primary black-hole scalar charges and kinetic screening in K-essence-Gauss-Bonnet gravity	Dr Georg Trenkler

Day 2: Young Talent Session - 1F-9 (16:00-18:00)

-Conveners: Xian Gao

time	[id] title	presenter
16:00	[68] BSM-enhanced PBH dark matter	Mr Xavier Pritchard
16:15	[69] On the survival of strong nuggets in the early Universe	Mr Haoyang Qi
16:30	[76] Observable Gravitational Wave Strain at Second-order	Mr Ao Wang
16:45	[81] Superhorizon curvature perturbations in hybrid inflation	Mr Anxianyi Xiong
17:00	[96] Massive Inflationary Amplitudes: Differential Equations and Complete Solutions for General Trees	Mr Haoyuan Liu
17:15	[97] Massive Inflationary Amplitudes: Family-Tree Decomposition of Loop Integrands	Mr Yuanzhao Li
17:30	[98] Massive inflationary amplitudes: new representations and degenerate limits	Mr Jiaju Zang
17:45	[99] Gravitational waves from the early primordial black hole domination	Xin-Chen He