

International Conference on Cosmology in Shanghai

Thursday 29 May 2025

Invited Talk: [Chair: Shinji Tsujikawa] TBA (Misao Sasaki, Kavli IPMU/APCTP) (10:20-11:00)

Invited Talk: [Chair: Shinji Tsujikawa] Extending EFT of inflation/dark energy to black hole with timelike scalar profile (Shinji Mukohyama, YITP) (11:00-11:40)

Invited Talk: [Chair: Yuxiao Liu] Recent progress in cosmological collider and cosmological amplitudes (Zhongzhi Xianyu, Tsinghua U.) (13:30-14:10)

Invited Talk: [Chair: Yuxiao Liu] TBA (Teruaki Suyama, Institute of Science Tokyo) (14:10-14:50)

Invited Talk: [Chair: Yuxiao Liu] TBA (Jinn-Ouk Gong, Ewha Womans U.) (14:50-15:30)

Invited Talk: [Chair: Shi Pi] Gravitational waves from early Universe (Shao-Jiang Wang, ITP) (15:50-16:20)

Invited Talk: [Chair: Shi Pi] Cosmological Signatures of Neutrino Seesaw Mechanism (Chengcheng Han, Sun Yat-sen U.) (16:20-16:50)

Invited Talk: [Chair: Shi Pi] 21cm Observational Cosmology (Jiajun Zhang, SHAO) (17:30-18:00)

Friday 30 May 2025

Invited Talk: [Chair: Kohei Kamada] Light Colorful Dark Matter and K to pi missing energy rare decay (Xiaogang He, TDLI)
(09:30-10:10)

Invited Talk: [Chair: Kohei Kamada] Neutrino Mass & Mass Ordering with Cosmic Gravitational Focusing (Shaofeng Ge, TDLI)
(10:10-10:50)

Invited Talk: [Chair: Kohei Kamada] Effective field theory of coupled dark energy and dark matter (Shinji Tsujikawa, Waseda U.) **(10:50-11:30)**

Invited Talk: [Chair: Sai Wang] Composite Dark Matter (Zhiwei Wang, UESTC) **(13:30-14:10)**

Invited Talk: [Chair: Sai Wang] TBA (Li Li, ITP) **(14:10-14:40)**

Invited Talk: [Chair: Sai Wang] Progress of higher derivative scalar-tensor theory: parity violation and multi-scalar extensions (Xian Gao, Sun Yat-sen U.) **(14:40-15:10)**

Invited Talk: [Chair: Xian Gao] On the statistics of PBH formation (Jaume Garriga, Barcelona U.) **(15:30-16:10)**

Invited Talk: [Chair: Xian Gao] TBA (Cristiano Germani, Barcelona U.) **(16:10-16:50)**

Saturday 31 May 2025

Invited Talk: [Chair: Teruaki Suyama] Early Dark Energy Model and Cosmological Tensions (Bum-Hoon Lee, Sogang U.)
(09:30-10:10)

Invited Talk: [Chair: Teruaki Suyama] TBA (Renyue Cen, Zhejiang U.) **(10:10-10:50)**

Invited Talk: [Chair: Teruaki Suyama] Relativistic quantum sensing in curved spacetime (Jieci Wang, Hunan Normal U.)
(10:50-11:30)

Invited Talk: [Chair: Jaume Garriga] (B-L) magnetogenesis and leptogenesis from Axion Inflation (Kohei Kamada, HIAS-UCAS)
(13:30-14:00)

Invited Talk: [Chair: Jaume Garriga] Testing parity violations in the gravitational sector: birefringence in fermion-attenuated gravitational wave power spectrum (Antonino Marciano, Fudan U.) **(14:00-14:30)**

Invited Talk: [Chair: Jaume Garriga] Bridging inflation and reheating: chiral gravitational waves from aHz to GHz (Chao Chen, USTC) **(14:30-15:00)**

Invited Talk: [Chair: Cristiano Germani] TBA (XianHui Ge, Shanghai U.) **(15:20-15:50)**

Invited Talk: [Chair: Cristiano Germani] The universal relation on the Schwarzschild-dS black holes under the GUP and EUP (Hongbo Cheng, ECUST) **(15:50-16:20)**

Invited Talk: [Chair: Cristiano Germani] Some possible observable effects of gravity (Chao-Jun Feng, Shanghai Normal U.)
(16:20-16:50)