

# COSMO'24

Kyoto University, Kyoto, October 21-25, 2024

## Important Dates (JST)

Registration deadline:  
July 31 (on-site), August 31 (virtual)

Payment deadline:  
August 15 (on-site), September 15 (virtual)

Reception on October 21

Banquet on October 23

## Main Topics

Dark Matter, Neutrinos and Astroparticle Physics  
Gravitational Waves and Black Holes  
Inflation and the Primordial Universe  
Large Scale Structure  
Modified Gravity and Dark Energy  
Numerical Cosmology and AI  
Radio Astronomy, CMB and 21cm  
Statistical Methods and Tensions in Cosmology

## Invited Speakers (\*=tbc)

Ignatios Antoniadis (Chulalongkorn/LPTHE) String Cosmology  
Daniel Baumann (LeCosPA/NTU/Amsterdam) Inflation and Primordial Universe  
Francis Bernardeau (Saclay/IAP) Large Scale Structure and Euclid's Status  
Maria Charisi (Vanderbilt U.) Pulsar Timing Array  
Pedro Ferreira (Oxford U.) Modified Gravity and Dark Energy  
Wendy Freedman (U. of Chicago) Recent Observational Updates on Tensions in Cosmology  
Laura Herold (Johns Hopkins U.) Statistical Methods and Tensions in Cosmology  
Cullan Howlett (U. of Queensland) DESI Collaboration Results  
Kei Ieki (ICRR, U. of Tokyo) Status and Prospects of the Hyper-Kamiokande  
Keiko Kokeyama (Cardiff/Nagoya) An Overview of LVK's Gravitational-Wave Observations  
Elisabeth Krause (Arizona) Statistical Methods and Large Scale Structure  
Alexander Kusenko (UCLA) PBH Dark Matter  
Roszkowski Leszek (U. of Sheffield/NCBJ) Particle Physics and Cosmology  
Scott Melville (QMUL) Modified Gravity and Dark Energy  
Hiranya Peiris (Cambridge U.) AI and Cosmology  
Thomas Siebert (U. Wurzburg) Cosmology with MeV Observations  
Keitaro Takahashi (Kumamoto U.) 21cm Radio Astronomy  
Mark Trodden (UPenn) Modified Gravity and Dark Energy  
Yi Wang (HKUST) Inflation and Primordial Universe  
Kathryn M. Zurek (Caltech) Dark Matter  
ACT collaboration  
and more...

## Local Organizing Committee

Katsuki Aoki, Antonio De Felice, Elisa Ferreira, Kunihiro Ioka,  
Shinya Kanemura, Koutarou Kyutoku, Nobuhito Maru,  
Shigeki Matsumoto, Shinji Mukohyama (Chair), Ryo Namba,  
Atsushi Naruko, Takahiro Nishimichi, Naritaka Oshita, Yoko Oya,  
Naoki Seto, Jiro Soda, Kazufumi Takahashi, Tadayuki Takahashi,  
Fumihiro Takayama, Takahiro Tanaka, Atsushi Taruya



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