

Session Program

Mar 27 – 30, 2023



International Conference on the Physics of the Two Infinities

Dark and Primordial Universe & Gravitational Waves

Kyoto
University of Kyoto

Wed, March 29

8:30 AM

Dark and Primordial Universe & Gravitational Waves

Session | Location: Kyoto, University of Kyoto | Convener: Masaki ANDO (University of Tokyo)

8:30 – 8:45 AM

Fast birefringence measurement and compensation using a pair of identical liquid crystals.

Speaker

Shalika Singh

8:45 – 9:00 AM

A viable model to explain the Fast radio burst using the Gertsenshtein-Zel'dovich effect

Speaker

Ashu Kushwaha

9:00 – 9:15 AM

A new alignment control scheme to mitigate birefringence effects for KAGRA and next-generation gravitational wave detectors.

Speaker

Marc Eisenmann

9:15 – 9:30 AM

Quantum squeezing for Virgo and future generation gravitational-wave detectors

Speaker

Yuhang Zhao

9:30 – 9:45 AM

Status of the XENONnT experiment

Speaker

Ko Abe

9:45 – 10:00 AM

Indirect detection of Dark Matter with radio observation

Speaker

Chikara kawai

10:00 – 10:15 AM

Recent dark-sector results from Belle II

Speaker

Akimasa Ishikawa

10:15 – 10:30 AM

Results by ATLAS and CMS on searches for BSM Higgs bosons and dark matter

Speaker

Santiago Paredes Saenz

10:30 – 10:50 AM

Break

10:50 – 11:05 AM

Black-hole mass distributions of the most distant low-luminosity quasars

Speaker

Ayumi Takahashi

11:05 – 11:20 AM

CPTM symmetry and smallness of cosmological constant in framework of extended manifold

Speaker
Prof. Sergey Bondarenko

11:20 - 11:35 AM **On the Hubble constant tension in the Supernovae Ia Pantheon sample**

Speaker
Biagio De Simone

11:35 - 11:50 AM

A novel method for joint systematic correction and foreground cleaning and its application to the estimation of cosmic birefringence in Simons Observatory and LiteBIRD.

Speaker
Baptiste Jost

11:50 AM - 12:05 PM **Status of the Simons Array Experiment**

Speaker
Atsuto Takeuchi

12:05 - 12:20 PM

Alleviating the H_0 and σ_8 tensions via general conformal coupling between dark energy and dark matter

Speaker
Stharporn Sapa

12:20 - 12:35 PM **Neutrino Mass Ordering from Early Supernova Neutrinos**

Speaker
Ms Miao Yu

12:35 - 12:50 PM **Early Universe with CMB B-mode: observational challenges**

Speaker
Susanna Azzoni

12:50 PM