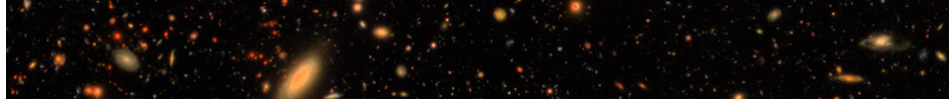


Cosmic Acceleration



Report of Contributions

Contribution ID: 26

Type: **not specified**

Accelerating Universe Overview

Monday, 17 February 2020 09:05 (25 minutes)

Presenter: MURAYAMA, Hitoshi (Kavli IPMU/Berkeley)

Session Classification: Fe 17 Morning session I

Contribution ID: 27

Type: **not specified**

(Invited talk) From Quantum Gravity to Low Energy Physics

Monday, 17 February 2020 09:30 (30 minutes)

Presenter: NOMURA, Yasunori (Berkeley/Kavli IPMU)

Session Classification: Fe 17 Morning session I

Contribution ID: 28

Type: **not specified**

Cross-correlation of the astrophysical gravitational-wave background with galaxy clustering

Monday, 17 February 2020 10:00 (20 minutes)

Presenter: VARDANYAN, Valeri (Kavli IPMU)

Session Classification: Fe 17 Morning session I

Contribution ID: 29

Type: **not specified**

Contributed talk

Session Classification: Fe 17 Morning session I

Contribution ID: **30**

Type: **not specified**

A01

Monday, 17 February 2020 10:45 (30 minutes)

Presenter: SASAKI, Misao (Kavli IPMU)

Session Classification: Feb 17 Morning session II

Contribution ID: **31**

Type: **not specified**

TBA

Presenter: HASEGAWA, Masaya (KEK)

Session Classification: Feb 17 Morning session II

Contribution ID: 32

Type: **not specified**

Formations and clusterings of primordial black hole dark matter formed in the matter dominated Universe

Monday, 17 February 2020 11:15 (20 minutes)

Presenter: KOHRI, Kaz (KEK)

Session Classification: Feb 17 Morning session II

Contribution ID: 33

Type: **not specified**

Cryogenics architecture for LiteBIRD satellite

Presenter: HASEBE, Takashi (JAXA/ISAS)

Session Classification: Feb 17 Afternoon session I

Contribution ID: 34

Type: **not specified**

(Invited talk) The light dark matter search— what's going on at an MeV?

Monday, 17 February 2020 13:30 (30 minutes)

Presenter: MELIA, Tom (Kavli IPMU)

Session Classification: Feb 17 Afternoon session I

Contribution ID: 35

Type: **not specified**

Searching for particle dark matter by cross-correlating gamma rays and large-scale structure

Monday, 17 February 2020 14:00 (20 minutes)

Presenter: ANDO, Shin'ichiro (University of Amsterdam)

Session Classification: Feb 17 Afternoon session I

Contribution ID: 36

Type: **not specified**

Constraint on the nature of dark matter by high-resolution cosmological simulations and next generation spectroscopy observations

Monday, 17 February 2020 14:20 (20 minutes)

Presenter: ISHIYAMA, Tomoaki (Chiba University)

Session Classification: Feb 17 Afternoon session I

Contribution ID: 37

Type: **not specified**

(Invited talk) Goals and challenges for next generation of CMB experiments

Monday, 17 February 2020 15:30 (30 minutes)

Presenter: KRACHMALNICOFF, Nicoletta (SISSA)

Session Classification: Feb 17 Afternoon session II

Contribution ID: **38**

Type: **not specified**

B01

Monday, 17 February 2020 16:00 (15 minutes)

Presenter: HAZUMI, Masashi (KEK/Kavli IPMU)

Session Classification: Feb 17 Afternoon session II

Contribution ID: 39

Type: **not specified**

Simons Array

Monday, 17 February 2020 16:15 (15 minutes)

Presenter: MASAYA, Hasegawa (KEK)

Session Classification: Feb 17 Afternoon session II

Contribution ID: 40

Type: **not specified**

Optical designs and performance of LiteBIRD

Monday, 17 February 2020 16:30 (15 minutes)

Presenter: IMADA, Hiroaki (Université Paris-Saclay, CNRS/IN2P3, IJCLab)

Session Classification: Feb 17 Afternoon session II

Contribution ID: 41

Type: **not specified**

A02

Tuesday, 18 February 2020 09:00 (30 minutes)

Presenter: TAKAHASHI, Fuminobu (Tohoku University)

Session Classification: Feb 18 Morning session I

Contribution ID: 42

Type: **not specified**

Supersymmetric model for dark matter and muon $g-2$

Tuesday, 18 February 2020 09:30 (20 minutes)

Presenter: YOKOZAKI, Norimi (Tohoku University)

Session Classification: Feb 18 Morning session I

Contribution ID: 43

Type: **not specified**

New Insights in to the Stellar Components and Dark Halo in the Milky Way

Tuesday, 18 February 2020 09:50 (20 minutes)

Presenter: MASASHI, Chiba (Tohoku University)

Session Classification: Feb 18 Morning session I

Contribution ID: 44

Type: **not specified**

Diversity of the central dark matter densities in the Galactic dwarf spheroidals

Tuesday, 18 February 2020 10:10 (20 minutes)

Presenter: HAYASHI, Kohei (ICRR, U. Tokyo)

Session Classification: Feb 18 Morning session I

Contribution ID: 45

Type: **not specified**

logistics information

Monday, 17 February 2020 09:00 (5 minutes)

Session Classification: Fe 17 Morning session I

Contribution ID: 46

Type: **not specified**

primordial black holes with primordial non-Gaussianity

Monday, 17 February 2020 11:35 (20 minutes)

Presenter: SHUICHIRO, Yokoyama (KMI, Nagoya University)

Session Classification: Feb 17 Morning session II

Contribution ID: 47

Type: **not specified**

Irradiation tests of superconducting detectors and comparison with simulations

Presenter: MINAMI, Yuto (KEK)

Session Classification: Feb 17 Morning session II

Contribution ID: 48

Type: **not specified**

Development of LiteBIRD polarization modulator

Monday, 17 February 2020 16:45 (15 minutes)

Presenter: SAKURAI, Yuki (Kavli IPMU)

Session Classification: Feb 17 Afternoon session II

Contribution ID: 49

Type: **not specified**

Poster machine gun talks

Session Classification: Feb 17 Afternoon session II

Contribution ID: 50

Type: **not specified**

(Invited talk) UV-IR Bottlenecks for Inflation and the Higgs

Tuesday, 18 February 2020 10:45 (30 minutes)

Presenter: WESTPHAL , Alexander (DESY)

Session Classification: Feb 18 Morning session II

Contribution ID: 51

Type: **not specified**

(Invited talk) Ultra-light Dark Matter

Tuesday, 18 February 2020 11:15 (30 minutes)

Presenter: FERREIRA, Elisa (MPA)

Session Classification: Feb 18 Morning session II

Contribution ID: 52

Type: **not specified**

Revisiting slow-roll dynamics and the tensor tilt in general single-field inflation

Tuesday, 18 February 2020 11:45 (20 minutes)

Presenter: KOBAYASHI, Tsutomu (Rikkyo University)

Session Classification: Feb 18 Morning session II

Contribution ID: 53

Type: **not specified**

(Invited talk) eBOSS: Cosmology with Baryon Acoustic Oscillations and Redshift Space Distortions

Tuesday, 18 February 2020 13:30 (30 minutes)

Presenter: DAWSON, Kyle (The University of Utah)

Session Classification: Feb 18 Afternoon session I

Contribution ID: 54

Type: **not specified**

B03

Tuesday, 18 February 2020 14:00 (30 minutes)

Presenter: TAKADA, Masahiro (Kavli IPMU)

Session Classification: Feb 18 Afternoon session I

Contribution ID: 55

Type: **not specified**

The impact of projection effects on cluster observables

Tuesday, 18 February 2020 14:30 (20 minutes)

Presenter: SUNAYAMA, Tomomi (Kavli IPMU)

Session Classification: Feb 18 Afternoon session I

Contribution ID: 56

Type: **not specified**

Cosmological constraints from galaxy-galaxy lensing and clustering with the Subaru HSC and SDSS BOSS data

Tuesday, 18 February 2020 14:50 (20 minutes)

Presenter: MIYATAKE, Hironao (Nagoya University)

Session Classification: Feb 18 Afternoon session I

Contribution ID: 57

Type: **not specified**

(Invited talk) The Hubble Hunter's Guide

Tuesday, 18 February 2020 16:00 (30 minutes)

Presenter: MELLEA, Marius (Berkeley)

Session Classification: Feb 18 Afternoon session II

Contribution ID: 58

Type: **not specified**

A03

Tuesday, 18 February 2020 16:30 (30 minutes)

Presenter: TSUJIKAWA, Shinji (Tokyo University of Science)

Session Classification: Feb 18 Afternoon session II

Contribution ID: 59

Type: **not specified**

Hubble Tension: New Physics vs Systematics

Tuesday, 18 February 2020 17:00 (20 minutes)

Presenter: SHAFIELOO, Arman (KASI)

Session Classification: Feb 18 Afternoon session II

Contribution ID: **60**

Type: **not specified**

Initial density field reconstructions from high redshift galaxy surveys

Tuesday, 18 February 2020 17:20 (20 minutes)

Presenter: ATA, Metin (Kavli IPMU)

Session Classification: Feb 18 Afternoon session II

Contribution ID: **61**

Type: **not specified**

Computations of quantities characterizing PBHs formed from primordial perturbations

Tuesday, 18 February 2020 17:40 (20 minutes)

Presenter: SUYAMA, Teruaki (Tokyo Institute of Technology)

Session Classification: Feb 18 Afternoon session II

Contribution ID: **62**

Type: **not specified**

B02

Wednesday, 19 February 2020 09:00 (30 minutes)

Presenter: MIYAZAKI, Satoshi (NAOJ)

Session Classification: Feb 19 Morning session I

Contribution ID: 63

Type: **not specified**

Development and testing of new CMOS

Wednesday, 19 February 2020 09:30 (20 minutes)

Presenter: KOMIYAMA, Yutaka (NAOJ)

Session Classification: Feb 19 Morning session I

Contribution ID: 64

Type: **not specified**

Splashback radius of clusters in the HSC survey

Wednesday, 19 February 2020 09:50 (20 minutes)

Presenter: OGURI, Masamune (U. Tokyo/Kavli IPMU)

Session Classification: Feb 19 Morning session I

Contribution ID: 65

Type: **not specified**

(invited talk) Cosmology in the Era of Galaxy Surveys – from DES to LSST

Wednesday, 19 February 2020 10:10 (30 minutes)

We are at an exciting time of cosmology with a number of Stage III galaxy surveys finishing up and Stage IV experiments on the horizon. In this talk I will summarize some of the first year DES cosmology results, focusing on the 3x2pt and 5x2pt analysis which probes the large-scale structure through the galaxy and weak lensing fields. I will point out some of the challenges going forward with DES and LSST, as well as some new exciting directions that the new data allows us to explore.

Presenter: CHANG, Chihway (University of Chicago)

Session Classification: Feb 19 Morning session I

Contribution ID: 66

Type: **not specified**

Laboratory searches for pseudo Nambu-Goldstone bosons with stimulated photon-photon colliders

Wednesday, 19 February 2020 11:00 (20 minutes)

Presenter: HOMMA, Kensuke (Hiroshima U.)

Session Classification: Feb 19 Morning session II

Contribution ID: 67

Type: **not specified**

Measurement of expansion of the Universe using high-z type Ia supernovae

Wednesday, 19 February 2020 11:20 (20 minutes)

Presenter: YASUDA, Naoki (Kavli IPMU)

Session Classification: Feb 19 Morning session II

Contribution ID: 68

Type: **not specified**

Structure of subhalos around Milky Way-mass galaxies in CDM and SIDM universe

Wednesday, 19 February 2020 11:40 (20 minutes)

Presenter: OKAMOTO, Takashi (Hokkaido University)

Session Classification: Feb 19 Morning session II

Contribution ID: **69**

Type: **not specified**

B04

Wednesday, 19 February 2020 13:15 (25 minutes)

Presenter: USUDA, Tomonori (NAOJ)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 70

Type: **not specified**

Development of laser comb to calibrate high dispersion spectrograph for radial velocity measurement

Wednesday, 19 February 2020 13:40 (20 minutes)

Presenter: INABA, Hajime (National Institute of Advanced Industrial Science and Technology (AIST))

Session Classification: Feb 19 Afternoon session I

Contribution ID: 71

Type: **not specified**

First Stability Results of our Second Gen. Astro-Comb

Wednesday, 19 February 2020 14:00 (20 minutes)

Presenter: SCHRAMM, Malte (NAOJ)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 72

Type: **not specified**

D01

Wednesday, 19 February 2020 14:20 (25 minutes)

Presenter: KOMATSU, Eiichiro (MPA/Kavli IPMU)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 73

Type: **not specified**

HSC-PFS cross-correlation simulated by the “lognormal_lens” code

Wednesday, 19 February 2020 14:45 (25 minutes)

Presenter: KAYO, Issha (Tokyo University of Technology)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 74

Type: **not specified**

Thermal history of the universe probed by a joint analysis of the thermal Sunyaev–Zeldovich effect and galaxy surveys

Wednesday, 19 February 2020 15:10 (25 minutes)

Presenter: MAKIYA, Ryu (Kavli IPMU)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 75

Type: **not specified**

Closing remark

Wednesday, 19 February 2020 15:35 (5 minutes)

Presenter: MURAYAMA, Hitoshi (Kavli IPMU/Berkeley)

Session Classification: Feb 19 Afternoon session I

Contribution ID: 76

Type: **not specified**

The study on quantum gravity theory through polarization measurements of high energy gamma rays from gamma ray bursts

Monday, 17 February 2020 14:40 (20 minutes)

Presenter: GUNJI, Shuichi (Yamagata University)

Session Classification: Feb 17 Afternoon session I

Contribution ID: 77

Type: **not specified**

Cryogenics architecture for LiteBIRD satellite

Monday, 17 February 2020 17:00 (15 minutes)

Presenter: HASEBE, Takashi (JAXA/ISAS)

Session Classification: Feb 17 Afternoon session II

Contribution ID: 78

Type: **not specified**

Simultaneous determination of the cosmic birefringence and miscalibrated polarisation angles from LiteBIRD

Monday, 17 February 2020 17:15 (15 minutes)

Presenter: MINAMI, Yuto (KEK)

Session Classification: Feb 17 Afternoon session II