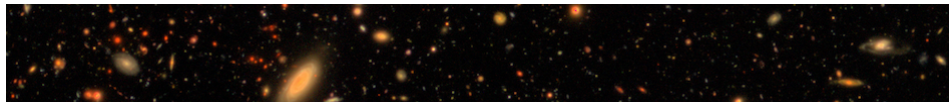


FY2021



☒Online☒



Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening

Presenter: MURAYAMA, Hitoshi (Kavli IPMU/Berkeley)

Contribution ID: 2

Type: **not specified**

Status report of A01 group (light dark matter)

Tuesday, 29 March 2022 09:45 (20 minutes)

Presenter: FUMINOBU , Takahashi (Tohoku U.)

Session Classification: A01

Contribution ID: 3

Type: **not specified**

Cosmic Birefringence Triggered by Dark Matter Domination

Tuesday, 29 March 2022 10:05 (20 minutes)

Presenter: YAMADA, Masaki (Tohoku U.)

Session Classification: A01

Contribution ID: 4

Type: **not specified**

DM stability from Pauli-exclusion principle

Tuesday, 29 March 2022 10:25 (20 minutes)

Presenter: YIN, Wen (Tohoku U.)

Session Classification: A01

Contribution ID: 5

Type: **not specified**

Simulation of Fuzzy Dark Matter

Tuesday, 29 March 2022 10:45 (15 minutes)

Presenter: CHAN, Jowett (Hei Yin) (Tohoku U.)

Contribution ID: 6

Type: **not specified**

Status report of B01 group (dark matter search with interferometer)

Tuesday, 29 March 2022 13:30 (30 minutes)

Presenter: FUJITA, Tomohiro

Session Classification: B01

Contribution ID: 7

Type: **not specified**

Laser interferometric searches for ultralight dark matter

Tuesday, 29 March 2022 14:00 (30 minutes)

Presenter: NAGANO, Koji (ISAS/JAXA)

Session Classification: B01

Contribution ID: 8

Type: **not specified**

Status report of CMB group

Tuesday, 29 March 2022 14:30 (10 minutes)

Presenter: KOMATSU, Eiichiro (MPA/Kavli IPMU)

Session Classification: B06

Contribution ID: 9

Type: **not specified**

Cosmic birefringence tomography

Tuesday, 29 March 2022 14:40 (25 minutes)

Presenter: NAMIKAWA, Toshiya (Kavli IPMU)

Session Classification: B06

Contribution ID: **10**

Type: **not specified**

Implications of the cosmic birefringence measurement for the axion dark matter search

Tuesday, 29 March 2022 15:05 (25 minutes)

Presenter: IPPEI, Obata (MPA)

Session Classification: B06

Contribution ID: 11

Type: **not specified**

Status report of C02 (simulation) group

Tuesday, 29 March 2022 15:45 (20 minutes)

Presenter: ANDO, Shin'ichiro (Amsterdam/Kavli IPMU)

Session Classification: C02

Contribution ID: 12

Type: **not specified**

Cosmological prior for the J-factor estimation of dwarf spheroidal galaxies

Tuesday, 29 March 2022 16:05 (20 minutes)

Presenter: SHUNICHI, Horigome (Kavli IPMU)

Session Classification: C02

Contribution ID: 13

Type: **not specified**

Classification of cosmic structures for galaxies with machine learning: connecting cosmological simulations with observations

Tuesday, 29 March 2022 16:25 (20 minutes)

Presenter: INOUE, Shigeki (Hokkaido U.)

Session Classification: C02

Contribution ID: 14

Type: **not specified**

Status report of A03 group (macroscopic dark matter)

Wednesday, 30 March 2022 09:30 (15 minutes)

Presenter: YOO , Chulmoon (Nagoya U.)

Session Classification: A03

Contribution ID: 15

Type: **not specified**

Primordial black holes: a generic DM candidate in supersymmetry and other extensions of the Standard Model

Wednesday, 30 March 2022 09:45 (15 minutes)

Presenter: KUSENKO, Alexander (UCLA/Kavli IPMU)

Session Classification: A03

Contribution ID: 16

Type: **not specified**

Primordial black holes and induced gravitational waves in light of the non-Gaussian tail

Wednesday, 30 March 2022 10:00 (15 minutes)

Presenter: TADA, Yuichiro (Nagoya U.)

Session Classification: A03

Contribution ID: 17

Type: **not specified**

Probing primordial black holes through the stochastic gravitational wave background

Wednesday, 30 March 2022 10:15 (15 minutes)

Presenter: KUROYANAGI, Sachiko (FT UAM-CSIC/Nagoya U.)

Session Classification: A03

Contribution ID: 18

Type: **not specified**

Cosmological 21cm line observations to test scenarios of super-Eddington accretion on to black holes being seeds of high-redshifted supermassive black holes

Wednesday, 30 March 2022 10:30 (15 minutes)

Presenter: KOHRI, Kaz (KEK)

Contribution ID: 19

Type: **not specified**

Exploring Dark Matter and Fundamental Physics with Atmospheric Collider

Wednesday, 30 March 2022 10:45 (15 minutes)

Presenter: TAKHISTOV, Volodymyr (Kavli IPMU)

Contribution ID: 20

Type: **not specified**

Status report of C01 group (ultimate theory)

Wednesday, 30 March 2022 11:15 (30 minutes)

Presenter: YAMAZAKI, Masahito (Kavli IPMU)

Session Classification: C01

Contribution ID: 21

Type: **not specified**

Progress on the study of QCD axions

Wednesday, 30 March 2022 11:45 (30 minutes)

Presenter: SHIRAI, Satoshi (Kavli IPMU)

Session Classification: C01

Contribution ID: 22

Type: **not specified**

Status report of B04 (X-ray)

Wednesday, 30 March 2022 14:30 (15 minutes)

Presenter: YAMASAKI, Noriko (ISAS/JAXA)

Session Classification: B04

Contribution ID: 23

Type: **not specified**

Status report of A02 group (heavy dark matter)

Tuesday, 29 March 2022 11:15 (15 minutes)

Presenter: MURASE, Kohta (PSU/Kyoto U.)

Session Classification: A02

Contribution ID: 24

Type: **not specified**

Aged Dark Matter

Tuesday, 29 March 2022 11:30 (15 minutes)

Presenter: YAMANAKA, Masato (Osaka City U.)

Session Classification: A02

Contribution ID: 25

Type: **not specified**

Ultrahigh-Energy Constraints on Superheavy Dark Matter

Tuesday, 29 March 2022 11:45 (15 minutes)

Presenter: DAS, Saikat (YITP, Kyoto U.)

Session Classification: A02

Contribution ID: 26

Type: **not specified**

Subaru Hyper Supreme-Cam Meets Cosmic Ray Showers

Tuesday, 29 March 2022 12:00 (15 minutes)

Presenter: FUJII , Toshihiro (Hakubi Center, Kyoto U.)

Session Classification: A02

Contribution ID: 27

Type: **not specified**

Status report of B05 group (positron-electron accelerator)

Wednesday, 30 March 2022 15:45 (20 minutes)

Presenter: SHOHEI, Nishida (KEK)

Session Classification: B05

Contribution ID: 28

Type: **not specified**

Search for the L_μ - L_τ Z' at Belle

Wednesday, 30 March 2022 16:05 (20 minutes)

Presenter: CZANK, Thomas (Tokyo Metropolitan U.)

Session Classification: B05

Contribution ID: 29

Type: **not specified**

Search for QCD Axion at Belle II

Wednesday, 30 March 2022 16:25 (20 minutes)

Presenter: ITO, Shintaro (KEK)

Session Classification: B05

Contribution ID: **30**

Type: **not specified**

Status report of B02 group (Subaru spectroscopy)

Wednesday, 30 March 2022 16:45 (5 minutes)

Presenter: TAKADA, Masahiro (Kavli IPMU)

Session Classification: B02

Contribution ID: 31

Type: **not specified**

Cosmological boost factor for dark matter annihilation at redshifts of $z=10-100$ using the power spectrum approach

Wednesday, 30 March 2022 17:10 (15 minutes)

Presenter: TAKAHASHI, Ryuichi (Hirosaki U.)

Session Classification: B02

Contribution ID: 32

Type: **not specified**

Constraining ultra-light dark matter with small scales observations

Wednesday, 30 March 2022 17:25 (25 minutes)

Presenter: FERREIRA, Elisa (Kavli IPMU)

Session Classification: B02

Contribution ID: 33

Type: **not specified**

Development status of TES micro-calorimeters with 57Fe for solar axion search

Wednesday, 30 March 2022 14:45 (15 minutes)

Presenter: YAGI, Yuta (U. Tokyo/ISAS/JAXA)

Session Classification: B04

Contribution ID: 34

Type: **not specified**

Development of Microwave SQUID Multiplexer for Multi-pixel X-ray TES Readout

Wednesday, 30 March 2022 15:00 (15 minutes)

Presenter: HIRAYAMA, Fuminori (AIST)

Session Classification: B04

Contribution ID: 35

Type: **not specified**

DM search by astronomical observation in X-ray

Wednesday, 30 March 2022 15:15 (15 minutes)

Presenter: UCHIDA, Nagomi (ISAS/JAXA)

Session Classification: B04

Contribution ID: 36

Type: **not specified**

Status report of B03 group (imaging)

Wednesday, 30 March 2022 13:30 (25 minutes)

Presenter: MIYAZAKI, Satoshi (NAOJ)

Session Classification: B03

Contribution ID: 37

Type: **not specified**

Caustic crossings as a dark matter probe

Wednesday, 30 March 2022 13:55 (20 minutes)

Presenter: OGURI, Masamune (Chiba U.)

Session Classification: B03

Contribution ID: **38**

Type: **not specified**

Status of the FASER experiment

Wednesday, 30 March 2022 14:15 (15 minutes)

Presenter: OTONO, Hidetoshi (Kyushu U.)

Contribution ID: **39**

Type: **not specified**

P01

Session Classification: Flash talks for open-solicited researches

Contribution ID: 40

Type: **not specified**

Current status of PFS project

Wednesday, 30 March 2022 16:50 (20 minutes)

Presenter: NAOYUKI, Tamura (Kavli IPMU)

Session Classification: B02

Contribution ID: 41

Type: **not specified**

DIMS Experiment

Tuesday, 29 March 2022 16:45 (15 minutes)

Presenter: KAJINO, Fumiyoshi (Konan U.)

Contribution ID: 42

Type: **not specified**

F01 Development of spectrometer for WISP DM searches

Tuesday, 29 March 2022 17:00 (5 minutes)

Presenter: SUZUKI, Junya (Kyoto U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 43

Type: **not specified**

F02 Detection experiment of dark-matter-axion microwave emitted from superconductors

Tuesday, 29 March 2022 17:05 (5 minutes)

Presenter: KISHIMOTO, Yasuhiro (Tohoku U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 44

Type: **not specified**

F03 Probing the nature of dark matter in galaxy scales

Tuesday, 29 March 2022 17:10 (5 minutes)

Presenter: CHIBA, Masashi (Tohoku U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 45

Type: **not specified**

F04 Search for weakly interacting particles in KEK beam dump experiment

Tuesday, 29 March 2022 17:15 (5 minutes)

Presenter: SAKAKI, Yasuhito (KEK)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 46

Type: **not specified**

F06 Comprehensive study of dynamical structures in the Galactic dwarf galaxies by Subaru and shedding light on the nature of dark matter

Tuesday, 29 March 2022 17:25 (5 minutes)

Presenter: HAYASHI, Kohei (NIT, Ichinoseki College)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 47

Type: **not specified**

F07 Toward search for light scalar field dark matter by interferometers

Tuesday, 29 March 2022 17:30 (5 minutes)

Presenter: SUYAMA, Teruaki (Tokyo Institute of Technology)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 48

Type: **not specified**

F08 Search for TeV-Range Dark Matter with Electron and Positron Cosmic Rays

Tuesday, 29 March 2022 17:35 (5 minutes)

Presenter: MOTZ, Holger (Waseda U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 49

Type: **not specified**

F09 Validation of CDM cosmology for large-scale structure formation by considering cosmic variance

Tuesday, 29 March 2022 17:40 (5 minutes)

Presenter: MASAKI, Shogo (NIT, Suzuka College)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 50

Type: **not specified**

F10 Constraining Mixed Dark-Matter models of WIMPs and Primordial Black Holes from CMB and radio observations

Tuesday, 29 March 2022 17:45 (5 minutes)

Presenter: TASHIRO, Hiroyuki (Nagoya U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 51

Type: **not specified**

F11 Axion search experiments from ground and space with new X-ray pixel detectors

Tuesday, 29 March 2022 17:50 (5 minutes)

Presenter: TSURU, Takeshi (Kyoto U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 52

Type: **not specified**

F12 Quantum Gravity Constraints on Dark Matters

Tuesday, 29 March 2022 17:55 (5 minutes)

Presenter: NOUMI, Toshifumi (Kobe U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 53

Type: **not specified**

F13 Search for Dark Matter of Axion and Dark Photon at the LHC-ATLAS Experiment

Tuesday, 29 March 2022 18:00 (5 minutes)

Presenter: TANAKA, Junichi (U. Tokyo)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 54

Type: **not specified**

F05 Particle Physics Properties of DM probed by gamma-ray, LSBGs and IGM

Tuesday, 29 March 2022 17:20 (5 minutes)

Presenter: NISHIZAWA, Atsushi (Nagoya U.)

Session Classification: Flash talks for open-solicited researches

Contribution ID: 55

Type: **not specified**

Closing remarks

Wednesday, 30 March 2022 17:50 (5 minutes)

Presenter: MURAYAMA, Hitoshi (Kavli IPMU/Berkeley)

Contribution ID: 56

Type: **not specified**

group photo!

Wednesday, 30 March 2022 12:15 (5 minutes)