

Monday 9 June

14:30 Parallel: Session 1B: T. Nomura Location: The University of Osaka, H701 in Graduate School of Science, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan Left-right symmetric model with lepton portal dark matter 14:30-14:45 Speaker Yuji Omura 14:45-15:00 Coincident asteroid-mass soliton dark matter and baryon asymmetry Speaker Kepan Xie 15:00-15:15 Resummed multi-line gamma-ray spectra for Cherenkov Telescopes from heavy spin-1 dark matter **Speaker** Motoko Fujiwara

15:15-15:30 Interpreting Belle II excess with light dark matter

Speaker Jongkuk Kim

15:30-15:45 Light WIMPs and MeV Gamma-ray Detection with COSI

Speaker Yu Watanabe

15:45

Parallel: Session 2B: Chair V. Branchina

Session

16:15

Location: The University of Osaka, H701 in Graduate School of Science, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

16:15-16:30 Towards a Quantum Simulation of Sphaleron Dynamics

Speaker

Hao Zhang

16:30-16:45 Super-radiance during reheating

Speaker

Kunio Kaneta

16:45-17:00

Possibilities of explaining the electroweak scale by generalized ensembles in QFT

Speaker

Kiyoharu Kawana

17:00-17:15

Light thermal self-interacting dark matter in the shadow of non-standard cosmology

Speaker

Shu-Yu Ho

17:15-17:30

Implication from the entanglement entropy for phase transitions in the early Universe

Speaker

Masanori Tanaka

Tuesday 10 June

14:30

Parallel: Session 3B: Chair R. Jinno

Session

Location: The University of Osaka, H701 in Graduate School of Science, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

14:30-14:45

Directional Detection of Boosted Dark Matter from Dark Photon-Mediated Annihilation

Speaker

Keiko Nagao

14:45-15:00 SIMP Dark Matter During Reheating

Speaker

Debtosh Chowdhury

15:00-15:15

Spontaneous CP violation, sterile neutrino dark matter and leptogenesis

Speaker

Norimi Yokozaki

15:15-15:30

Revisiting the bounds on diffuse axion-like particles background from gamma-ray observations

Speaker

Sougata Ganguly

15:30-15:45

Probing early universe reheating at the lepton colliders via dark matter UV freeze-in

Speaker

Sahabub Jahedi

Thursday 12 June

11:30

Parallel: Session 4B: Chair J. Song

Session

Location: The University of Osaka, H701 in Graduate School of Science, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

11:30-11:45 Cosmological Signatures of Neutrino Seesaw Mechanism

Speaker

Chengcheng Han

11:45-12:00 Model building aspects of cosmological collider

Speaker

Shuntaro Aoki

12:00-12:15 Resonant Forbidden Leptogenesis

Speaker

Shaoping Li

12:15-12:30

New physics decaying into metastable particles: impact on cosmic neutrinos

Speaker

Kensuke Akita

12:30-12:45

Gravitational Waves and Inflationary Observables as Windows to Non-Thermal Leptogenesis

Speaker

Dibyendu Nanda

12:45-13:00

Gauge coupling jump and small instantons from a large non-minimal coupling

Speaker

Juntaro Wada

Friday 13 June

11:30

Parallel: Session 5B: Chair I. Ivanov

Session

Location: The University of Osaka, H701 in Graduate School of Science, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

11:30-11:45

Prospects on the minimal 5D $U(1)_{L_{\infty}} - L_{\lambda}$: Power of DUNE near detector

Speaker

Kenji Nishiwaki

11:45-12:00 Light gauge boson in the context of low and high energy experiments

Speaker

Arindam Das

12:00-12:15 Symmetric mass generation

Speaker

Akio Tomiya

12:15-12:30

Future beam dumps constraint on light bosons with lepton flavor violating couplings

Speaker

Kento Asai

12:30-12:45 Pseudo NG bosons from finite modular symmetry

Speaker

Junichiro Kawamura

12:45-13:00

Analysing $\Lambda^* \in \bar{\ }\$ decay in light of the recent Belle-II $B^+\to K^+ \in \bar{\ }\$

Speaker

Ria Sain