

# **Tuesday 6 June**

11:30

## Parallel: Parallel 1-A

Session | Location: Osaka University, Nambu Yoichiro Hall, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

11:30-11:45

4b + X, 4b + W via electroweak multi-Higgs production as smoking gun signals for the Type-I 2HDM at the LHC

Speaker

Prasenjit Sanyal

11:45-12:00

Slight excess at 130 GeV in search for a charged Higgs boson decaying to a charm quark and a bottom quark at the Large Hadron Collider

Speaker

Dr Muyuan Song

12:00-12:15

Relation between gravitational waves from first-order phase transitions and higher dimensional gauge theories

Speaker

Dr Takuya Hirose

12:15-12:30 Smoking gun signature at 3HDM

Speaker

Atri Dey

12:30-12:45 Multi-photon signatures at LHC as a probe of CP-Violation in 2HDMs

Speaker

Kento Katayama

12:45-13:00 Di-Higgs Boson Production at the Lepton Colliders

Speaker

Xiaorui Wong

13:00 11:30

### Parallel: Parallel 1-B

Session | Location: Osaka University, Room D307 in Graduate School of Science

11:30-11:45

Constructing all the matrix elements of covariant tensor currents of massless particles in the covariant formulation

Speaker

Jaehoon Jeong

11:45-12:00 Entropy and its conservation in expanding Universe

Speaker

Kiyoharu Kawana

12:00-12:15 Entropy constraints on effective field theory

Speaker

Dr Daiki Ueda

12:15-12:30

Supernova axion emissivity with  $\Delta(1232)$  resonance in heavy baryon chiral perturbation theory

Speaker

Dr Shu-Yu Ho

12:30-12:45

Link soliton in models with U(1)\_{global} and U(1)\_{gauge} symmetries

**Speaker** 

Yu Hamada

12:45-13:00

Embedded string in \$SU(N)\times U(1)\$ Higgs model and its application

Speaker

Yukihiro Kanda

13:00

16:30

#### Parallel: Parallel 2-A

Session | Location: Osaka University, Nambu Yoichiro Hall, 1-1 Machikaneyama-cho, Toyonaka, Osaka, Japan

16:30-16:45 CP violation in gauged U(1)\_B

Speaker

Dr Toshinori Matsui

16:45-17:00 A model with two scalars in the view of effective theory

Speaker

Apriadi Salim Adam

17:00-17:15

An extended Higgs model as the common origin of neutrino mass, dark matter and baryon asymmetry

Speaker

Kazuki Enomoto

17:15-17:30 Multi-photon decays of the Higgs boson at the LHC

**Speaker** 

Samuel Lane

17:30-17:45

Electric dipole moment and electroweak baryogenesis in a complex singlet extension of the Standard Model with degenerate scalars

**Speaker** 

Chikako Idegawa

18:00 16:30

### Parallel: Parallel 2-B

Session | Location: Osaka University, Room B308 in Graduate School of Science

16:30-16:45

Pseudo-Nambu-Goldstone Dark Matter from Non-Abelian Gauge Symmetry

<b>Speaker</b> Yoshiki Uchida
16:45-17:00 Confronting Dark Matter with Dirac Neutrinos
<b>Speaker</b> Dibyendu Nanda
17:00-17:15 Nonthermal dark matter production from a light thermal scalar
Speaker Shao-Ping Li
17:15-17:30 Scalar Dark Matter with a \$\mu \tau\$ Flavored Mediator
Speaker Coh Miyao
17:30-17:45 A global analysis of resonance-enhanced light scalar dark matter
Speaker Yu Watanabe

18:00