

**The 3rd
“Asian-European-Institutes
Workshop for BSM”**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Majorana Phase and Matter Effects in Neutrino Chiral Oscillation

Tuesday, 3 October 2023 14:00 (30 minutes)

Presenter: HE , Xiao-Gang

Contribution ID: 2

Type: **not specified**

Two tales for the SM Higgs: inflation and dark matter.

Tuesday, 3 October 2023 14:30 (30 minutes)

Presenter: LEE , Hyun Min

Contribution ID: 3

Type: **not specified**

Detecting the Stochastic Gravitational-Wave Background from Modified Gravity with Pulsar Timing Arrays

Tuesday, 3 October 2023 15:30 (30 minutes)

Presenter: LIANG , Qiuyue

Contribution ID: 4

Type: **not specified**

Bubble-assisted leptogenesis

Tuesday, 3 October 2023 16:00 (30 minutes)

Presenter: DUTKA, Tomasz

Contribution ID: 5

Type: **not specified**

Particle dispersion in the classical vector dark matter background

Tuesday, 3 October 2023 18:00 (30 minutes)

Presenter: CHUN, Eung Jin

Contribution ID: 6

Type: **not specified**

Electroweak precision test of axion-like particles

Tuesday, 3 October 2023 17:30 (30 minutes)

Presenter: AIKO, Masashi

Contribution ID: 7

Type: **not specified**

Constructing the covariant vertices systematically

Wednesday, 4 October 2023 09:00 (30 minutes)

Presenter: CHOI, Seong Youl

Contribution ID: 8

Type: **not specified**

Phenomenology of light thermal dark matter

Tuesday, 3 October 2023 16:30 (30 minutes)

Presenter: WATANABE , Yu

Contribution ID: 9

Type: **not specified**

EFT approaches to cosmological collider program

Wednesday, 4 October 2023 09:30 (30 minutes)

Presenter: KIM, Suro

Contribution ID: **10**

Type: **not specified**

The Cosmology of Higgs EFT

Wednesday, 4 October 2023 10:30 (30 minutes)

Presenter: ALONSO , Rodrigo

Contribution ID: **11**

Type: **not specified**

A Geometric Look at pNGB Potentials

Wednesday, 4 October 2023 11:00 (30 minutes)

Presenter: KANG, Dong Woo

Contribution ID: 12

Type: **not specified**

Non-invertible Naturalness

Wednesday, 4 October 2023 11:30 (30 minutes)

Presenter: HONG , Sungwoo

Contribution ID: 13

Type: **not specified**

Cosmic birefringence and dark photon.

Wednesday, 4 October 2023 13:30 (30 minutes)

Presenter: PARK , Seong Chan

Contribution ID: 14

Type: **not specified**

Latest Results from the Fermilab Muon $g-2$ experiment

Wednesday, 4 October 2023 14:00 (30 minutes)

Presenter: KHAW, Kim Siang

Contribution ID: 15

Type: **not specified**

Quest to infinity via dark matter and neutrinos –the underground experimental program at TDLI

Wednesday, 4 October 2023 15:00 (30 minutes)

Presenter: LIU , Janglai

Contribution ID: **16**

Type: **not specified**

Dark matter searches with PandaX-4T experiment

Wednesday, 4 October 2023 15:30 (30 minutes)

Presenter: ZHOU , Ning

Contribution ID: 17

Type: **not specified**

Fermionic Absorption Dark Matter

Wednesday, 4 October 2023 17:00 (30 minutes)

Presenter: GE , Shao-Feng

Contribution ID: **18**

Type: **not specified**

Neutrino Physics with PandaX

Wednesday, 4 October 2023 16:00 (30 minutes)

Presenter: HAN , Ke

Contribution ID: 19

Type: **not specified**

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

Wednesday, 4 October 2023 17:30 (30 minutes)

Presenter: HO , Shu-Yu

Contribution ID: 20

Type: **not specified**

Scattering of Fermions on Monopoles

Thursday, 5 October 2023 09:00 (30 minutes)

Presenter: KHOZE, Valentin

Contribution ID: **21**

Type: **not specified**

The DarkSHINE experiment R&D status

Thursday, 5 October 2023 09:30 (30 minutes)

Presenter: LIU, Kun

Contribution ID: 22

Type: **not specified**

CP violating two Higgs doublet models at LHC

Thursday, 5 October 2023 10:30 (30 minutes)

Presenter: TAKEUCHI, Michihisa

Contribution ID: 23

Type: **not specified**

Signal of dark Higgs into muons

Thursday, 5 October 2023 11:00 (30 minutes)

Presenter: KONDO , Dan

Contribution ID: **24**

Type: **not specified**

TBA

Thursday, 5 October 2023 11:30 (30 minutes)

Presenter: ENGLERT, Christoph

Contribution ID: 25

Type: **not specified**

Discussion

Thursday, 5 October 2023 13:30 (4 hours)

Contribution ID: 26

Type: **not specified**

Veto algorithms for quantum parton showers

Friday, 6 October 2023 09:30 (30 minutes)

Presenter: YAMAZAKI, Masahito

Contribution ID: 27

Type: **not specified**

Sharpening the CP-odd scalar signature at the LHC through contrastive learning

Friday, 6 October 2023 10:00 (30 minutes)

Presenter: HAMMAD, Ahmed

Contribution ID: **28**

Type: **not specified**

TBA

Presenter: PARK, Myeonghun

Contribution ID: 29

Type: **not specified**

Quantum Machine Learning for High Energy Physics

Presenter: SPANNOWSKY, Michael

Contribution ID: **30**

Type: **not specified**

Massive dark photon and dark Higgs

Friday, 6 October 2023 09:00 (30 minutes)

Presenter: KO, Pyungwon