

**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

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TBA

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