

# **The 7th IBS-ICTP-MultiDark Workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Probing axions with the measurements of photon's birefringence

*Monday, November 28, 2022 10:30 AM (40 minutes)*

**Presenter:** OBATA, Ipppei (Kavli IPMU, Univ. of Tokyo)

**Session Classification:** Talks

Contribution ID: 2

Type: **not specified**

## **Gravitational waves from axion strings**

*Monday, November 28, 2022 11:10 AM (40 minutes)*

**Presenter:** HARDY, Edward (Liverpool U.)

**Session Classification:** Talks

Contribution ID: 3

Type: **not specified**

## Friendship in the Axiverse

*Monday, November 28, 2022 2:00 PM (40 minutes)*

**Presenter:** CYNKYNTATES, David (U. of Washington)

**Session Classification:** Talks

Contribution ID: 4

Type: **not specified**

## **The meso-inflationary QCD axion**

*Monday, November 28, 2022 2:40 PM (40 minutes)*

**Presenter:** TESI, Andrea (INFN Florence)

**Session Classification:** Talks

Contribution ID: 5

Type: **not specified**

## **Axion Dark Matter from Frictional Misalignment**

*Monday, November 28, 2022 4:00 PM (40 minutes)*

**Presenter:** PAPAGEORGIU, Alexandros (IBS-CTPU)

**Session Classification:** Talks

Contribution ID: 6

Type: **not specified**

## **Grand color axion**

*Monday, November 28, 2022 4:40 PM (40 minutes)*

**Presenter:** VECCHI, Luca (INFN Padova)

**Session Classification:** Talks

Contribution ID: 7

Type: **not specified**

## **Astrophysical axion-photon conversion**

*Tuesday, November 29, 2022 10:30 AM (40 minutes)*

**Presenter:** MARSH, David (U. of Stockholm)

**Session Classification:** Talks



Contribution ID: 8

Type: **not specified**

## **Axions in the early Universe**

*Tuesday, November 29, 2022 11:10 AM (40 minutes)*

**Presenter:** ROMPINEVE, Fabrizio (CERN)

**Session Classification:** Talks

Contribution ID: 9

Type: **not specified**

## **Dark photons and phase transitions**

*Tuesday, November 29, 2022 2:00 PM (40 minutes)*

**Presenter:** PETROSSIAN-BYRNE, Rudin (ICTP, Trieste)

**Session Classification:** Talks

Contribution ID: **10**

Type: **not specified**

## **Cosmological Constraints on Light but Massive Relics**

*Tuesday, November 29, 2022 2:40 PM (40 minutes)*

**Presenter:** XU, Weishuang Linda (LBNL Berkeley)

**Session Classification:** Talks

Contribution ID: 11

Type: **not specified**

## **Z' - explorer 2.0: In the quest of Dark Matter**

*Tuesday, November 29, 2022 4:00 PM (40 minutes)*

**Presenter:** LOZANO, Victor Martin (IFIC, Valencia)

**Session Classification:** Talks

Contribution ID: 12

Type: **not specified**

## **Lepto-axiogenesis in minimal KSVZ model**

*Tuesday, November 29, 2022 4:40 PM (40 minutes)*

**Presenter:** KAWAMURA, Junichiro (IBS-CTPU)

**Session Classification:** Talks

Contribution ID: 13

Type: **not specified**

## **Electron and Muon Magnetic Moments and Dark Matter Implications in Nonuniversal U(1)' Models**

*Tuesday, November 29, 2022 5:20 PM (40 minutes)*

**Presenter:** UN, Cem (UHU, Huelva)

**Session Classification:** Talks

Contribution ID: 14

Type: **not specified**

## **ANAIS-112: testing DAMA/LIBRA signal beyond three sigma**

*Wednesday, November 30, 2022 10:30 AM (40 minutes)*

**Presenter:** MARTINEZ, Maria (UZ, Zaragoza)

**Session Classification:** Talks

Contribution ID: 15

Type: **not specified**

## **COSINE-100 dark matter search experiment with NaI(Tl) crystals**

*Wednesday, November 30, 2022 11:10 AM (40 minutes)*

**Presenter:** LEE, Hyunsoo (IBS-CUP)

**Session Classification:** Talks



Contribution ID: 16

Type: **not specified**

## **Neutrino Oscillations: where are we now?**

*Thursday, December 1, 2022 10:30 AM (40 minutes)*

**Presenter:** SEO, Seon-Hee (IBS-CUP)

**Session Classification:** Talks

Contribution ID: 17

Type: **not specified**

## **An ultraviolet completion for the Scotogenic model**

*Thursday, December 1, 2022 11:10 AM (40 minutes)*

**Presenter:** ESCRIBANO, Pablo (IFIC, Valencia)

**Session Classification:** Talks

Contribution ID: **18**

Type: **not specified**

## **Status and prospects in the search for light sterile neutrino**

*Thursday, December 1, 2022 2:00 PM (40 minutes)*

**Presenter:** MASUD, Mehedi (IBS-CTPU)

**Session Classification:** Talks

Contribution ID: 19

Type: **not specified**

## **Indirect signatures of leptophilic t-channel dark matter from Centaurus A**

*Thursday, December 1, 2022 2:40 PM (40 minutes)*

**Presenter:** CERMENO, Marina (IFT, Madrid)

**Session Classification:** Talks

Contribution ID: 20

Type: **not specified**

## **Gauged B-L interacting sterile neutrino dark matter revisited**

*Thursday, December 1, 2022 4:00 PM (40 minutes)*

**Presenter:** SETO, Osamu (Hokkaido U.)

**Session Classification:** Talks

Contribution ID: 21

Type: **not specified**

## **Dark Matter-Neutrino interactions**

*Thursday, December 1, 2022 4:40 PM (40 minutes)*

**Presenter:** AKITA, Kensuke (IBS-CTPU)

**Session Classification:** Talks

Contribution ID: 22

Type: **not specified**

## **Interplay of Future Colliders and Dark Matter Direct Detection Experiments**

*Friday, December 2, 2022 10:30 AM (40 minutes)*

**Presenter:** HEINEMEYER, Sven (IFT, Madrid)

**Session Classification:** Talks

Contribution ID: 23

Type: **not specified**

## **Shedding light on low-mass subhalo survival and annihilation luminosity with numerical simulations**

*Friday, December 2, 2022 11:10 AM (40 minutes)*

**Presenter:** AGUIRRE, Alejandra (IFT, Madrid)

**Session Classification:** Talks



Contribution ID: 24

Type: **not specified**

## **Manifesting hidden dynamics of a sub-component dark matter**

*Friday, December 2, 2022 2:00 PM (40 minutes)*

**Presenter:** SHIN, Seodong (JBNU)

**Session Classification:** Talks

Contribution ID: 25

Type: **not specified**

## **An interplay between composite Dirac neutrinos and the QCD axion**

*Thursday, December 1, 2022 5:20 PM (40 minutes)*

**Presenter:** JUNG, Tae Hyun (KIAS)

**Session Classification:** Talks

Contribution ID: 26

Type: **not specified**

# **Imprints of Heavy Inflationary Particles on the Large Scale Structure**

*Friday, December 2, 2022 2:40 PM (40 minutes)*

**Presenter:** KIM, Jeong Han (CBNU)

**Session Classification:** Talks