

# **Light Dark World International Forum 2022**

## **Report of Contributions**

Contribution ID: 13

Type: **not specified**

# Bounds on Ultralight Dark Photon Dark Matter from Precision Atomic Spectroscopy

*Monday, 12 December 2022 09:30 (35 minutes)*

**Primary author:** BHOONAH, Amit (University of Pittsburgh)

**Presenter:** BHOONAH, Amit (University of Pittsburgh)

**Session Classification:** Day 1

Contribution ID: 14

Type: **not specified**

## Dark Matter and Neutrino Experiments at Yemilab

*Monday, 12 December 2022 10:05 (35 minutes)*

**Primary author:** KIM, Yeongduk (IBS CUP)

**Presenter:** KIM, Yeongduk (IBS CUP)

**Session Classification:** Day 1

Contribution ID: 15

Type: **not specified**

## Detecting Axion/Dark-Photon Dark Matter with Magnon

*Monday, 12 December 2022 10:40 (35 minutes)*

**Primary author:** NAKAYAMA, Kazunori

**Presenter:** NAKAYAMA, Kazunori

**Session Classification:** Day 1

Contribution ID: **16**

Type: **not specified**

## Physics of Weak Scale Trigger

*Monday, 12 December 2022 11:15 (35 minutes)*

**Primary author:** KIM, Hyung Do (Seoul National University)

**Presenter:** KIM, Hyung Do (Seoul National University)

**Session Classification:** Day 1

Contribution ID: **18**

Type: **not specified**

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

*Tuesday, 13 December 2022 09:30 (35 minutes)*

**Primary author:** SHIN, Seodong (Jeonbuk National University)

**Presenter:** SHIN, Seodong (Jeonbuk National University)

**Session Classification:** Day 2

Contribution ID: **19**

Type: **not specified**

## Small Steps in Addressing Cosmological Tensions

*Tuesday, 13 December 2022 10:05 (35 minutes)*

**Primary author:** WEINER, Neal (NYU)

**Presenter:** WEINER, Neal (NYU)

**Session Classification:** Day 2

Contribution ID: 20

Type: **not specified**

## Conformal Freeze-In of Light Dark Matter

*Tuesday, 13 December 2022 10:40 (35 minutes)*

**Primary author:** HONG, Sungwoo (KAIST)

**Presenter:** HONG, Sungwoo (KAIST)

**Session Classification:** Day 2



Contribution ID: 21

Type: **not specified**

# Black Hole Evaporation Beyond the Standard Model

*Tuesday, 13 December 2022 11:15 (35 minutes)*

**Primary author:** BAKER, Michael James (University of Melbourne (AU))

**Presenter:** BAKER, Michael James (University of Melbourne (AU))

**Session Classification:** Day 2

Contribution ID: 24

Type: **not specified**

## Light dark matter in SUSY

*Wednesday, 14 December 2022 11:15 (35 minutes)*

**Primary author:** GODBOLE, Rohini Madhusudan (Indian Institute of science (IN))

**Presenter:** GODBOLE, Rohini Madhusudan (Indian Institute of science (IN))

**Session Classification:** Day 3

Contribution ID: 25

Type: **not specified**

## The Piezoaxionic Effect

*Wednesday, 14 December 2022 09:30 (35 minutes)*

**Primary author:** ARVANITAKI, Asimina

**Presenter:** ARVANITAKI, Asimina

**Session Classification:** Day 3

Contribution ID: 26

Type: **not specified**

## **Time-varying resonant mass at collider and beam dump experiments**

*Wednesday, 14 December 2022 10:40 (35 minutes)*

**Primary author:** WANG, Xiaoping

**Presenter:** WANG, Xiaoping

**Session Classification:** Day 3

Contribution ID: 27

Type: **not specified**

## Light dark matter search in the Super-Kamiokande

*Wednesday, 14 December 2022 10:05 (35 minutes)*

**Primary author:** CHOI, Koun (IBS CUP)

**Presenter:** CHOI, Koun (IBS CUP)

**Session Classification:** Day 3

Contribution ID: 29

Type: **not specified**

## Axion Searches with Two or More Cavities

*Monday, 12 December 2022 11:50 (35 minutes)*

**Primary author:** GAO, Christina

**Presenter:** GAO, Christina

**Session Classification:** Day 1

Contribution ID: **30**

Type: **not specified**

## **RENO: Reactor Experiment for Neutrino Oscillation**

*Tuesday, 13 December 2022 11:50 (35 minutes)*

**Primary author:** YOO, Jonghee (Seoul National University)

**Presenter:** YOO, Jonghee (Seoul National University)

**Session Classification:** Day 2

Contribution ID: **31**

Type: **not specified**

## Mediator Decay at Threshold

*Wednesday, 14 December 2022 11:50 (35 minutes)*

**Primary author:** MATSUMOTO, Shigeki (Kavli IPMU)

**Presenter:** MATSUMOTO, Shigeki (Kavli IPMU)

**Session Classification:** Day 3



Contribution ID: 32

Type: **not specified**

## Group Photo (via Zoom)

Contribution ID: 33

Type: **not specified**

## Group Photo (via Zoom)

Contribution ID: 34

Type: **not specified**

## Group Photo (via Zoom)