

**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, December 12, 2022 9:30 AM (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, December 12, 2022 10:05 AM (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, December 12, 2022 10:40 AM (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, December 12, 2022 11:15 AM (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, December 13, 2022 9:30 AM (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, December 13, 2022 10:05 AM (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, December 13, 2022 10:40 AM (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, December 13, 2022 11:15 AM (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, December 14, 2022 11:15 AM (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, December 14, 2022 9:30 AM (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, December 14, 2022 10:40 AM (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, December 14, 2022 10:05 AM (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, December 12, 2022 11:50 AM (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, December 13, 2022 11:50 AM (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, December 14, 2022 11:50 AM (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)