

**6th CUBES Workshop
"CHIRALITY IN THE
UNIVERSE BEYOND THE
ELECTROWEAK SCALE"**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Recent highlights from Belle II

Saturday, April 27, 2024 9:00 AM (30 minutes)

Presenter: KWON, Youngjoon

Contribution ID: 2

Type: **not specified**

Axion cosmology

Saturday, April 27, 2024 9:30 AM (30 minutes)

Presenter: HWANG, Jai-chan

Contribution ID: 3

Type: **not specified**

Chirality of the Universe in biological scale

Saturday, April 27, 2024 10:00 AM (30 minutes)

Presenter: KIM, Choong Sun

Contribution ID: 4

Type: **not specified**

Progress in DUNE

Saturday, April 27, 2024 11:30 AM (30 minutes)

Presenter: KIM, Siyeon

Contribution ID: 5

Type: **not specified**

Nonthermal heavy dark matter from a first-order phase transition

Saturday, April 27, 2024 11:00 AM (30 minutes)

Presenter: LEE, Hyun Min

Contribution ID: 6

Type: **not specified**

Exciting Prospects for Dark Matter at Large-Volume Detectors

Presenter: PARK, Jongchul

Contribution ID: 7

Type: **not specified**

최근 **IceCube** 실험결과및현황

Saturday, April 27, 2024 3:00 PM (30 minutes)

Presenter: HA, Chang Hyon

Contribution ID: 8

Type: **not specified**

Development for antimatter gravity test in GBAR

Saturday, April 27, 2024 3:30 PM (30 minutes)

Presenter: KIM, Bongho

Contribution ID: 9

Type: **not specified**

A model for time-evolution of coupling constants

Saturday, April 27, 2024 4:00 PM (30 minutes)

Presenter: LEE, Taekoon

Contribution ID: **10**

Type: **not specified**

Dark sector particle searches with reactor from the NEON experiment

Sunday, April 28, 2024 9:00 AM (30 minutes)

Presenter: LEE, Hyun Su

Contribution ID: 11

Type: **not specified**

Cosmic Birefringence by Dark Photon

Sunday, April 28, 2024 9:30 AM (30 minutes)

Presenter: PARK, Seongchan

Contribution ID: 12

Type: **not specified**

Dark Matter Capture and Its impact on Red-Giants

Sunday, April 28, 2024 10:00 AM (30 minutes)

Presenter: YUN, Seokhoon

Contribution ID: 13

Type: **not specified**

Light thermal dark matter via type-I seesaw portal

Sunday, April 28, 2024 11:00 AM (30 minutes)

Presenter: MAHAPATRA, Satyabrata

Contribution ID: 14

Type: **not specified**

Recent Progress on High-Mass Dark Matter Axion Searches at IBS-CAPP

Sunday, April 28, 2024 11:30 AM (30 minutes)

Presenter: JEONG, Junu

Contribution ID: 15

Type: **not specified**

BelleII excess & Muon g-2 Illuminating Light DM with Higgs Portal

Sunday, April 28, 2024 12:00 PM (30 minutes)

Presenter: KIM, Jongkuk

Contribution ID: **16**

Type: **not specified**

Dark matter searches with neutrons in SK-Gd

Sunday, April 28, 2024 3:00 PM (30 minutes)

Presenter: CHOI, Koun

Contribution ID: 17

Type: **not specified**

Axion Research at IBS-CAPP

Sunday, April 28, 2024 3:30 PM (30 minutes)

Presenter: CHUNG, Woohyun

Contribution ID: **18**

Type: **not specified**

New Physics Opportunities at Tau Neutrino Experiments

Sunday, April 28, 2024 4:00 PM (30 minutes)

Presenter: SHIN, Seodong

Contribution ID: 19

Type: **not specified**

Recent Progress of High-Temperature Superconducting Cavity R&D at IBS-CAPP.

Monday, April 29, 2024 9:30 AM (30 minutes)

Presenter: AHN, Danho

Contribution ID: 20

Type: **not specified**

Gauge theories near the conformal window

Monday, April 29, 2024 9:00 AM (30 minutes)

Presenter: LEE, Jongwan

Contribution ID: 21

Type: **not specified**

Collider imprints of right handed neutrino magnetic moment operator

Monday, April 29, 2024 10:00 AM (30 minutes)

Presenter: PADHAN, Rojalin

Contribution ID: 22

Type: **not specified**

Recent Developments in Quantum Noise-Limited Amplifiers at IBS/CAPP

Monday, April 29, 2024 10:30 AM (30 minutes)

Presenter: UCHAIKIN, Sergey

Contribution ID: 23

Type: **not specified**

PQ inflation at the pole

Saturday, April 27, 2024 5:00 PM (15 minutes)

Presenter: MENKARA, Adriana

Session Classification: Student Session 1

Contribution ID: 24

Type: **not specified**

Positivity Bounds on Higgs-Portal Dark Matter

Saturday, April 27, 2024 5:15 PM (15 minutes)

Presenter: KIM, Seongsik

Session Classification: Student Session 1

Contribution ID: 25

Type: **not specified**

An Effective Approach for Axion Wormholes

Presenter: CHEONG, Dhong Yeon

Session Classification: Student Session 1

Contribution ID: 26

Type: **not specified**

Gravitational Wave Sourced by Decay of Massive Particle from PBH evaporation

Saturday, April 27, 2024 5:30 PM (15 minutes)

Presenter: LKHAGVADORJ, Erdenebulgan

Session Classification: Student Session 1

Contribution ID: 27

Type: **not specified**

Probing the mixing between sterile and tau neutrinos in the SHiP experiment

Saturday, April 27, 2024 5:45 PM (15 minutes)

Presenter: YOO, Seong Moon

Session Classification: Student Session 1

Contribution ID: 29

Type: **not specified**

Astrophysical and Cosmological Consequences of Irreducible Dark Photons

Sunday, April 28, 2024 5:00 PM (15 minutes)

Presenter: PARK, Jaeyoung

Session Classification: Student session 2

Contribution ID: **30**

Type: **not specified**

Muon $g-2$ and proton lifetime in SUSY SU(5) GUTs with split superpartners

Sunday, April 28, 2024 5:15 PM (15 minutes)

Presenter: SIM, SungBo

Session Classification: Student session 2

Contribution ID: 31

Type: **not specified**

Freeze-in Inelastic Dark Matter, H0 Tension and Detection Prospects

Sunday, April 28, 2024 5:30 PM (15 minutes)

Presenter: CHO, Wonsub

Session Classification: Student session 2

Contribution ID: 32

Type: **not specified**

TBA

Sunday, April 28, 2024 5:45 PM (15 minutes)

Presenter: JOH, Junghoon

Session Classification: Student session 2