

**7th CUBES Workshop
"CHIRALITY IN THE
UNIVERSE BEYOND THE
ELECTROWEAK SCALE"**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Youngjoon Kwon: Recent physics highlights from Belle II

Saturday, 26 April 2025 09:00 (30 minutes)

Contribution ID: 2

Type: **not specified**

Hyung Do Kim: Void Cosmology

Saturday, 26 April 2025 09:30 (30 minutes)

Contribution ID: 3

Type: **not specified**

Sunkun Oh: AI Literacy Issue

Saturday, 26 April 2025 10:00 (30 minutes)

Contribution ID: 4

Type: **not specified**

Choong Sun Kim: 2 neutrinos double beta decay

Saturday, 26 April 2025 11:00 (30 minutes)

Contribution ID: 5

Type: **not specified**

Seongchan Park

Saturday, 26 April 2025 11:30 (30 minutes)

Contribution ID: 6

Type: **not specified**

TaeHun Kim: Evaporating Primordial Black Holes: Reformation and Isocurvature Perturbations

Saturday, 26 April 2025 12:00 (30 minutes)

Contribution ID: 7

Type: **not specified**

Jinsu Kim: Searching for dark matter with an axion quark nugget experiment

Monday, 28 April 2025 09:00 (30 minutes)

Contribution ID: 8

Type: **not specified**

Minxi He: Hotspot Formation around Evaporating Primordial Black Holes

Monday, 28 April 2025 09:30 (30 minutes)

Contribution ID: 9

Type: **not specified**

Satyabrata Mahapatra: Exploring the Dark Sector: Self-Interactions, Cogenesis and Gravitational Waves

Monday, 28 April 2025 10:00 (30 minutes)

Contribution ID: **10**

Type: **not specified**

Sergey Uchaikin: Haloscope Read-out based on Lump element Josephson Parametric Amplifier

Monday, 28 April 2025 11:30 (30 minutes)

Contribution ID: 11

Type: **not specified**

Sin Kyu Kang: Search for dark photon trident via PBH signatures.

Saturday, 26 April 2025 15:30 (30 minutes)

Contribution ID: 12

Type: **not specified**

Deog Ki Hong: Aspects of axion dark matter

Session Classification: TBA

Contribution ID: **13**

Type: **not specified**

Yong-Hamb Kim: LiF Experiment for keV Sterile Neutrino Search (LiFE-SNS)

Saturday, 26 April 2025 15:00 (30 minutes)

Contribution ID: 14

Type: **not specified**

Sang Hui Im: Searches for Power-law Warped Extra Dimensions

Saturday, 26 April 2025 16:00 (30 minutes)

Contribution ID: 15

Type: **not specified**

Saebyeok Ahn: Axion dark matter search at IBS-DMAG

Sunday, 27 April 2025 09:30 (30 minutes)

Contribution ID: **16**

Type: **not specified**

Miok Park: Hairy Black Holes by Spontaneous Symmetry Breaking in Einstein-Scalar-Gauss-Bonnet theory

Sunday, 27 April 2025 10:00 (30 minutes)

Contribution ID: 17

Type: **not specified**

Deog Ki Hong: Aspects of axion dark matter

Sunday, 27 April 2025 09:00 (30 minutes)

Contribution ID: **18**

Type: **not specified**

Seodong Shin

Sunday, 27 April 2025 15:30 (30 minutes)

Contribution ID: **19**

Type: **not specified**

Yoomin Oh

Sunday, 27 April 2025 16:00 (30 minutes)

Contribution ID: **20**

Type: **not specified**

Seokhoon Yun

Sunday, 27 April 2025 11:00 (30 minutes)

Contribution ID: 21

Type: **not specified**

Suruj Jyoti Das: Phenomenology of rotating pNGBs: Baryogenesis & Dark Matter

Monday, 28 April 2025 11:00 (30 minutes)

Contribution ID: 22

Type: **not specified**

Myeonghun Park: Chance of the Future Muon Collider to extend the scope of Higgs Physics

Contribution ID: 23

Type: **not specified**

Yu Seon Jeong: Neutrino inelastic scattering cross section and non-perturbative structure functions

Sunday, 27 April 2025 11:30 (30 minutes)

Contribution ID: 24

Type: **not specified**

Sarif Khan: WIMP-FIMP option and neutrino masses via a novel anomaly-free B-L symmetry

Sunday, 27 April 2025 12:00 (30 minutes)

Contribution ID: 25

Type: **not specified**

Heejoo Kim: Axion Strings Revisited

Saturday, 26 April 2025 18:00 (15 minutes)

Session Classification: Student Session

Contribution ID: 26

Type: **not specified**

Seongsik Kim: Small Neutrino Masses from a Decoupled Singlet Scalar Field

Saturday, 26 April 2025 17:45 (15 minutes)

Session Classification: Student Session

Contribution ID: 27

Type: **not specified**

Lucca Justino: A Z_4 symmetric model for self-interacting dark matter

Saturday, 26 April 2025 17:30 (15 minutes)

Session Classification: Student Session

Contribution ID: **28**

Type: **not specified**

Junghoon Joh: Stable DM in the degenerate fermion background

Saturday, 26 April 2025 17:15 (15 minutes)

Session Classification: Student Session

Contribution ID: 29

Type: **not specified**

Wonsub Cho: Reconciling Cosmological Tensions with Inelastic Dark Matter and Dark Radiation in a U(1)D Framework

Saturday, 26 April 2025 17:00 (15 minutes)

Session Classification: Student Session

Contribution ID: 30

Type: **not specified**

Erdenebulgan Lkhagvadorj: Cosmological origin of the KM3-230213A event and associated GW

Sunday, 27 April 2025 17:00 (15 minutes)

Session Classification: Student Session

Contribution ID: 31

Type: **not specified**

Junho Song: PQ inflation for axion kinetic misalignment and baryogenesis

Sunday, 27 April 2025 17:15 (15 minutes)

Session Classification: Student Session

Contribution ID: 32

Type: **not specified**

Seong Moon Yoo: Probing the $3 + 1$ neutrino model in the SHiP experiment

Sunday, 27 April 2025 17:30 (15 minutes)

Session Classification: Student Session

Contribution ID: 33

Type: **not specified**

Jiwon Lee: High-Temperature Superconducting (HTS) Multiple-Cell Cavities for High-Mass Axion Search

Sunday, 27 April 2025 17:45 (15 minutes)

Session Classification: Student Session