

**2023 Meeting of the Division  
of Particles and Fields of the  
Korean Physical Society**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Dark Solar Wind

*Thursday, 21 December 2023 14:30 (30 minutes)*

**Presenter:** Dr CHANG, Jae Hyeok (Fermilab/UIC)

**Session Classification:** Dark sector

Contribution ID: 2

Type: **not specified**

## **Axion Dark Matter searches**

*Thursday, 21 December 2023 15:00 (30 minutes)*

**Presenter:** Dr YOUN, SungWoo (IBS-CAPP)

**Session Classification:** Dark sector

Contribution ID: 3

Type: **not specified**

## Rare event searches at CUP

*Thursday, 21 December 2023 15:30 (30 minutes)*

**Presenter:** JEON, Eunju (CUP, IBS)

**Session Classification:** Dark sector

Contribution ID: 4

Type: **not specified**

## **Accelerator based neutrino experiments**

*Friday, 22 December 2023 10:30 (30 minutes)*

**Presenter:** KIM, Siyeon (Chung-Ang University)

**Session Classification:** Neutrino

Contribution ID: 5

Type: **not specified**

## Reactor neutrino experiments

*Friday, 22 December 2023 10:00 (30 minutes)*

**Presenter:** Dr YANG, Byeongsu (Seoul National University)

**Session Classification:** Neutrino

Contribution ID: 6

Type: **not specified**

## Neutrino telescopes

*Friday, 22 December 2023 09:30 (30 minutes)*

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

**Session Classification:** Neutrino

Contribution ID: 7

Type: **not specified**

**TBA**

*Thursday, 21 December 2023 17:30 (30 minutes)*

**Presenter:** KIM, Jeong Han (Chungbuk National University)

**Session Classification:** AI in High Energy Physics



Contribution ID: 8

Type: **not specified**

**TBA**

*Thursday, 21 December 2023 18:00 (30 minutes)*

**Presenter:** GOH, Junghwan (Kyung Hee University)

**Session Classification:** AI in High Energy Physics

Contribution ID: 9

Type: **not specified**

## Summary of CMS results

*Thursday, 21 December 2023 16:30 (30 minutes)*

**Presenter:** MOON, Chang-Seong (Kyungpook National University)

**Session Classification:** Collider

Contribution ID: **10**

Type: **not specified**

## Summary of Belle-II results

*Thursday, 21 December 2023 17:00 (30 minutes)*

**Presenter:** Dr YANG, Seongbae (Korea University)

**Session Classification:** Collider

Contribution ID: 11

Type: **not specified**

# Quantum Field Theory and Four-manifold invariant

*Thursday, 21 December 2023 13:00 (30 minutes)*

**Presenter:** Prof. KIM, Heeyeon (KAIST)

**Session Classification:** Field & string theory

Contribution ID: 12

Type: **not specified**

# Mapping the Phase Space of Supersymmetric Gauge Theories using Explainable Machine Learning

*Thursday, 21 December 2023 13:30 (30 minutes)*

**Presenter:** Prof. SEONG, Rak-Kyeong (UNIST)

**Session Classification:** Field & string theory

Contribution ID: 13

Type: **not specified**

## **Binary Black Holes and Quantum Off-shell Recursion**

*Thursday, 21 December 2023 14:00 (30 minutes)*

**Presenter:** Dr LEE, Kanghoon (APCTP)

**Session Classification:** Field & string theory