

IBS Conference on Dark World



Report of Contributions

Contribution ID: 1

Type: **not specified**

Lunch

Tuesday, 31 October 2023 12:20 (2 hours)

Contribution ID: 2

Type: **not specified**

Invitation to Dark World

Monday, 30 October 2023 11:00 (40 minutes)

Presenter: YAMAGUCHI, Masahide (IBS CTPU-CGA)

Session Classification: Session

Contribution ID: 3

Type: **not specified**

Landscape of the EW scale dark world: DM, dark photon and dark Higgs

Monday, 30 October 2023 11:40 (40 minutes)

Presenter: KO, Pyungwon (KIAS)

Session Classification: Session

Contribution ID: 4

Type: **not specified**

Recent results from Super-Kamiokande

Monday, 30 October 2023 14:20 (40 minutes)

Presenter: PRONOST, Guillaume (ILANCE)

Session Classification: Session

Contribution ID: 5

Type: **not specified**

Overview of Neutrino Programs in Korea

Thursday, 2 November 2023 11:00 (40 minutes)

Presenter: JOO, Kyung Kwang (Chonnam National University)

Session Classification: Session

Contribution ID: 6

Type: **not specified**

Axion Dark Matter Search at IBS-CAPP

Monday, 30 October 2023 16:00 (40 minutes)

Presenter: CHUNG, Woohyun (IBS-CAPP)

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Efficient High-Mass Resonators and Heterodyne-Based Variance Method for Dark Matter Axion Searches

Monday, 30 October 2023 16:40 (40 minutes)

Presenter: JEONG, Junu (IBS-CAPP)

Session Classification: Session

Contribution ID: 8

Type: **not specified**

Advances in Strongly Blue Axionic Isocurvature Perturbations and Forecasting Their Detectability

Tuesday, 31 October 2023 09:20 (40 minutes)

Presenter: CHUNG, Daniel (U. of Wisconsin-Madison)

Session Classification: Session

Contribution ID: 9

Type: **not specified**

Extension of Higgs inflation and phenomenology

Tuesday, 31 October 2023 10:00 (40 minutes)

Presenter: SHUNTARO, Aoki (IBS CTPU)

Session Classification: Session

Contribution ID: **10**

Type: **not specified**

Dark matter indirect detection at the precision frontier: an improved prediction for particle spectra

Wednesday, 1 November 2023 16:40 (40 minutes)

Presenter: JUEID, Adil (IBS CTPU)

Session Classification: Session

Contribution ID: 11

Type: **not specified**

Axion Domain Walls, Small Instantons, and Non-Invertible Symmetry Breaking

Tuesday, 31 October 2023 11:00 (40 minutes)

Presenter: HONG, Sungwoo (KAIST)

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Search for axion dark matter in the laboratory and in the cosmos

Tuesday, 31 October 2023 11:40 (40 minutes)

Presenter: HONG, Deog Ki (PNU)

Session Classification: Session

Contribution ID: 13

Type: **not specified**

Preliminary results from the ALPS II initial science run

Tuesday, 31 October 2023 14:20 (40 minutes)

Presenter: SPECTOR, Aaron (DESY)

Session Classification: Session

Contribution ID: 14

Type: **not specified**

Recent QUAX results on axion searches and prospects for the FLASH experiment

Tuesday, 31 October 2023 15:00 (40 minutes)

Presenter: GATTI, Claudio (INFN)

Session Classification: Session

Contribution ID: 15

Type: **not specified**

Physics reach of the PandaX-4T experiment

Tuesday, 31 October 2023 16:00 (40 minutes)

Presenter: TAO, Yi (Shanghai Jiao Tong University)

Session Classification: Session

Contribution ID: 16

Type: **not specified**

The COSINE dark matter search experiment : Current status and future prospects

Tuesday, 31 October 2023 16:40 (40 minutes)

Presenter: LEE, Hyunsu (IBS CUP)

Session Classification: Session

Contribution ID: 17

Type: **not specified**

Particle dispersion in ultralight dark matter

Wednesday, 1 November 2023 09:20 (40 minutes)

Presenter: CHUN, Eung Jin (KIAS)

Session Classification: Session

Contribution ID: **18**

Type: **not specified**

Direct detection experiments and light bosons

Wednesday, 1 November 2023 16:00 (40 minutes)

Presenter: VISINELLI, Luca (SJTU)

Session Classification: Session

Contribution ID: 19

Type: **not specified**

Rydberg-atom quantum simulation of magnon bound state dynamics of Heisenberg magnets

Wednesday, 1 November 2023 10:00 (40 minutes)

Presenter: AHN, Jaewook (KAIST)

Session Classification: Session

Contribution ID: 20

Type: **not specified**

Exotic hadron spectroscopy with photon and hadron beams

Wednesday, 1 November 2023 11:40 (40 minutes)

Presenter: AHN, Jung Keun (Korea U.)

Session Classification: Session

Contribution ID: 21

Type: **not specified**

Nuclear astrophysics activities at CENS

Wednesday, 1 November 2023 11:00 (40 minutes)

Presenter: HAHN, Insik (IBS CENS)

Session Classification: Session

Contribution ID: 22

Type: **not specified**

Dark matter searches at B-factories

Wednesday, 1 November 2023 14:20 (40 minutes)

Presenter: KIM, Doris (Soongsil University)

Session Classification: Session

Contribution ID: 23

Type: **not specified**

Current Status and Prospects of the CDEX Collaboration

Wednesday, 1 November 2023 15:00 (40 minutes)

Presenter: LIN, Shin-Ted (SCU)

Session Classification: Session

Contribution ID: 24

Type: **not specified**

Supernova constraints on dark flavored sectors

Thursday, 2 November 2023 11:40 (40 minutes)

Presenter: CAMALICH, Jorge Martin (IAC)

Session Classification: Session

Contribution ID: 25

Type: **not specified**

Gauged Quintessence

Thursday, 2 November 2023 10:00 (40 minutes)

Presenter: LEE, Hye-Sung (KAIST)

Session Classification: Session

Contribution ID: 26

Type: **not specified**

Model-independent bounds on WIMPs

Monday, 30 October 2023 15:00 (40 minutes)

Presenter: SCOPEL, Stefano (Sogang University)

Session Classification: Session

Contribution ID: 27

Type: **not specified**

The muon $g-2$ puzzles

Thursday, 2 November 2023 09:20 (40 minutes)

Presenter: PASSERA, Massimo (Padova U.)

Session Classification: Session

Contribution ID: **28**

Type: **not specified**

Opening Remark by the Director

Monday, 30 October 2023 10:50 (10 minutes)