

IBS Conference on Dark World

Monday, 30 October 2023

Session: 1 - IBS Science and Culture Center (11:00 - 12:20)

-Conveners: Sanghyeon Chang

time	[id] title	presenter
11:00	[2] Invitation to Dark World	YAMAGUCHI, Masahide
11:40	[3] Landscape of the EW scale dark world: DM, dark photon and dark Higgs	KO, Pyungwon

Session: 2 - IBS Science and Culture Center (14:20 - 15:40)

-Conveners: Hyunsu Lee

time	[id] title	presenter
14:20	[4] Recent results from Super-Kamiokande	PRONOST, Guillaume
15:00	[26] Model-independent bounds on WIMPs	SCOPEL, Stefano

Session: 3 - IBS Science and Culture Center (16:00 - 17:20)

-Conveners: Claudio Gatti

time	[id] title	presenter
16:00	[6] Axion Dark Matter Search at IBS-CAPP	CHUNG, Woohyun
16:40	[7] Efficient High-Mass Resonators and Heterodyne-Based Variance Method for Dark Matter Axion Searches	JEONG, Junu

Tuesday, 31 October 2023

Session: 1 - IBS Science and Culture Center (09:20 - 10:40)

-Conveners: Stefano Scopel

time	[id] title	presenter
09:20	[8] Advances in Strongly Blue Axionic Isocurvature Perturbations and Forecasting Their Detectability	CHUNG, Daniel
10:00	[9] Extension of Higgs inflation and phenomenology	SHUNTARO, Aoki

Session: 2 - IBS Science and Culture Center (11:00 - 12:20)

-Conveners: Daniel Chung

time	[id] title	presenter
11:00	[11] Axion Domain Walls, Small Instantons, and Non-Invertible Symmetry Breaking	HONG, Sungwoo
11:40	[12] Search for axion dark matter in the laboratory and in the cosmos	HONG, Deog Ki

Session: 3 - IBS Science and Culture Center (14:20 - 15:40)

-Conveners: Hye-Sung Lee

time	[id] title	presenter
14:20	[13] Preliminary results from the ALPS II initial science run	SPECTOR, Aaron
15:00	[14] Recent QUAX results on axion searches and prospects for the FLASH experiment	GATTI, Claudio

Session: 4 - IBS Science and Culture Center (16:00 - 17:20)

-Conveners: Moo Hyun Lee

time	[id] title	presenter
16:00	[15] Physics reach of the PandaX-4T experiment	TAO, Yi
16:40	[16] The COSINE dark matter search experiment : Current status and future prospects	LEE, Hyunsu

Wednesday, 1 November 2023

Session: 1 - IBS Science and Culture Center (09:20 - 10:40)

-Conveners: Woohyun Chung

time	[id] title	presenter
09:20	[17] Particle dispersion in ultralight dark matter	CHUN, Eung Jin
10:00	[19] Rydberg-atom quantum simulation of magnon bound state dynamics of Heisenberg magnets	AHN, Jaewook

Session: 2 - IBS Science and Culture Center (11:00 - 12:20)

-Conveners: Deog Ki Hong

time	[id] title	presenter
11:00	[21] Nuclear astrophysics activities at CENS	HAHN, Insik
11:40	[20] Exotic hadron spectroscopy with photon and hadron beams	AHN, Jung Keun

Session: 3 - IBS Science and Culture Center (14:20 - 15:40)

-Conveners: Jung Keun Ahn

time	[id] title	presenter
14:20	[22] Dark matter searches at B-factories	KIM, Doris
15:00	[23] Current Status and Prospects of the CDEX Collaboration	LIN, Shin-Ted

Session: 4 - IBS Science and Culture Center (16:00 - 17:20)

-Conveners: Eung Jin Chun

time	[id] title	presenter
16:00	[18] Direct detection experiments and light bosons	VISINELLI, Luca
16:40	[10] Dark matter indirect detection at the precision frontier: an improved prediction for particle spectra	JUEID, Adil

Thursday, 2 November 2023

Session: 1 - IBS Science and Culture Center (09:20 - 10:40)

-Conveners: Luca Visinelli

time	[id] title	presenter
09:20	[27] The muon g-2 puzzles	PASSERA, Massimo
10:00	[25] Gauged Quintessence	LEE, Hye-Sung

Session: 2 - IBS Science and Culture Center (11:00 - 12:20)

-Conveners: Shin-Ted Lin

time	[id] title	presenter
11:00	[5] Overview of Neutrino Programs in Korea	JOO, Kyung Kwang
11:40	[24] Supernova constraints on dark flavored sectors	CAMALICH, Jorge Martin