

Program

DAY 1 Monday, October 30, 2017

TIME	PROGRAM
09:20 - 09:30	Opening Remarks Kiwoon Choi, Chair of LOC
09:30 - 10:10	How is the intermediate scale axion decay constant become possible Jihn E. Kim, Kyunghee University
10:10 - 10:50	A brief review on underground experimental projects utilizing ultra-low background techniques Yeongduk Kim, IBS/CUP
10:50 - 11:10	Break
11:10 - 11:50	Neutrino Physics at Kamioka Masayuki Nakahata, ICRR/Kavli IPMU, University of Tokyo
11:50 - 12:30	Axion dark matter search with the storage ring EDM method Seongtae Park, IBS/CAPP
12:30 - 14:00	Lunch Cafeteria
14:00 - 14:40	A two-Higgs-doublet Model for muon g-2 and dark matter Eung Jin Chun, KIAS
14:40 - 15:20	Light axino dark matter: freeze-in production, decay and Ly-alpha forest constraints Kyu Jung Bae, IBS/CTPU
15:20 - 15:40	Break
15:40 - 16:20	Model-independent approaches in the analysis of Dark Matter direct detection data Stefano Scopel, Sogang University
16:20 - 17:00	Peccei-Quinn Relaxion Kwangsik Jeong, Pusan National University

DAY 2 Tuesday, October 31, 2017

TIME	PROGRAM
09:30 - 10:10	Searching for Axionic Blue Isocurvature Perturbations Daniel Chung, University of Wisconsin-Madison
10:10 - 10:50	New opportunities for direct detection experiments Joseph Pradler, HEPHY
10:50 - 11:10	Break
11:10 - 11:50	Light sterile neutrinos: fact or fiction? Patrick Huber, Virginia Tech
11:50 - 12:30	Search for dark sector particles at the B-factories Youngjoon Kwon, Yonsei University
12:30 - 14:00	Lunch Cafeteria
14:00 - 14:40	Dark Halo investigation by DAMA/LIBRA Vincenzo Caracciolo, Gran Sasso National Laboratory of INFN
14:40 - 15:20	Dark matter axion search experiments in Korea Jonghee Yoo, KAIST & IBS/CAPP
15:20 - 15:40	Break
15:40 - 16:20	COSINE dark matter search experiment Hyun Su Lee, IBS/CUP
16:20 - 17:00	Beyond WIMP dark matter Kenji Kadota, IBS/CTPU
18:00 - 20:00	Banquet Vesta Buffet

DAY 3 Wednesday, November 1, 2017

TIME	PROGRAM
09:30 - 10:10	Sterile Neutrino Search in the JSNS2 Experiment Soo-Bong Kim, Seoul National University
10:10 - 10:50	Current status of gravitational wave detections and its perspectives Gungwon Kang, KISTI
10:50 - 11:10	Break
11:10 - 11:50	Flaxion: a minimal extension to solve puzzles in the standard model Koichi Hamaguchi, University of Tokyo
11:50 - 12:30	A New Dark Matter (in)Direct Search Strategy Jong-Chul Park, Chungnam National University
12:30 - 14:00	Group Photo & Lunch Cafeteria
14:00 - 14:40	aKWISP: investigating short-distance interactions at sub-micron scales Giovanni Cantatore, INFN
14:40 - 15:20	Neutrinoless double-beta decay searches and recent CUORE results Sergio Di Domizio, Genova University
15:20 - 15:40	Break
15:40 - 16:20	KamLAND-Zen800 Kengo Nakamura, Tohoku University
16:20 - 17:00	AMoRE neutrinoless double beta decay experiment Yong-Hamb Kim, IBS/CUP

DAY 4 Thursday, November 2, 2017

TIME	PROGRAM
09:30 - 10:10	Recent results on heavy neutrinos at the LHC Un-ki Yang, Seoul National University
10:10 - 10:50	Overview on the singlet fermion DM model Pyungwon Ko, KIAS
10:50 - 11:10	Break
11:10 - 11:50	Advances in the Microwave Cavity Search for Dark Matter Axions Karl van Bibber, University of California, Berkeley
11:50 - 12:30	Invisible matter in the solar system: observational evidence Konstantin Zioutas, University of Patras
12:30 - 16:30	Talk at CAPP Inauguration Dark Halo investigation by DAMA/LIBRA comprehensive approach to the strong CP problem: axion dark matter, axion mediated forces and hadronic EDM experiments Yannis K. Semertzidis, KAIST & IBS/CAPP

DAY 5 Friday, November 3, 2017

TIME	PROGRAM
09:30 - 10:10	Supersymmetry with Broken R-parity at the LHC and Dark Matter Herbert Dreiner, Bonn University
10:10 - 10:50	Light-experiments in the laboratory probing lightweights from a dark sector Axel Lindner, DESY
10:50 - 11:10	Break
11:10 - 11:50	The Search for Axions Pierre Sikivie, University of Florida
11:50 - 12:20	Summary Pierre Sikivie, University of Florida
12:00 - 13:00	Lunch Cafeteria
13:00 - 17:00	Excursion

[2017 IBS CONFERENCE]

IBS CONFERENCE ON DARK WORLD

Oct. 30 - Nov. 3, 2017

KAIST Munji Campus,
Daejeon, Korea