



# Workshop on Physics of Dark Cosmos: dark matter, dark energy, and all

## Saturday 22 October 2022

### Dark Matter: 1 (09:30-10:30)

-Conveners: Jong-Chul Park

time	[id] title	presenter
09:30	[43] On the WIMP dark matter signature in old neutron stars	Prof. NATSUMI NAGATA
10:00	[44] Dark matter signals from charged mesons in neutrino experiments	Dr DOOJIN KIM

### Dark Matter: 2 (11:00-12:30)

-Conveners: Hyun Min Lee

time	[id] title	presenter
11:00	[45] Cosmic-ray-induced Boosted Dark Matter	Prof. JONG-CHUL PARK
11:30	[46] Manifesting hidden dynamics of a sub-component dark matter	Prof. SEODONG SHIN
12:00	[47] Detecting axion dark matter with chiral magnetic effects	Prof. SANG HUI IM

### Dark Matter: 3 (16:00-18:00)

-Conveners: Sang-hui Im

time	[id] title	presenter
16:00	[48] Positivity bounds for scalar dark matter	Dr KIMIYO YAMASHITA
16:30	[49] An Asymmetric SIMP Dark Matter Model	Dr SHU-YU HO
17:00	[51] Positronium decays with a dark Z and fermionic dark matter	Dr DONG-WON JUNG
17:30	[36] Cosmology in a SUSY B-L model	Prof. WAN-IL PARK