

Session Program

5-9 Dec 2023



PNU-IBS workshop on Axion Physics : Search for axions

Afternoon Session 4

Haeundae, Busan, South Korea, Paradise Hotel, 1F Banquet Room (Sicily)
296, Haeundaehaebyeon-ro (Jung-dong), Haeundae-gu, Busan, South Korea

Wednesday 6 December

16:30

Afternoon Session 4

Session |

Location: Haeundae, Busan, South Korea, Paradise Hotel, 1F Banquet Room (Sicily) , 296, Haeundaehaebyeon-ro (Jung-dong), Haeundae-gu, Busan, South Korea |

Convener: Prof. Ki-Young Choi

16:30–17:15

CAPP's High Mass Axion Searches and Heterodyne-Base Variance Method

Speaker

Dr Junu Jeong

17:15–18:00

Axionic and Phonon Polaritons for Axion Dark Matter Detection (via Zoom)

Speaker

Dr Jan Schutte-Engel

18:00

Thursday 7 December

16:30

Afternoon Session 4

Session | **Location:** Paradise Hotel, Sidney, Paradise Hotel 2F | **Convener:** Deog Ki Hong

16:30–17:15

Probing cosmic sterile neutrino background with beta decay experiment

Speaker

Prof. Ki-Young Choi

17:15–18:00

Selected highlights in axion cosmology (via zoom)

Speaker

Geraldine Servant

18:00

Friday 8 December

16:30

Afternoon Session 4

Session |

Location: Haeundae, Busan, South Korea, Paradise Hotel, 1F Banquet Room (Sicily) , 296, Haeundaehaebyeon-ro (Jung-dong), Haeundae-gu, Busan, South Korea |

Convener: Dr Sang Hui Im

16:30-17:15

Studies of missing-energy final states from Belle II, including $B \rightarrow K \nu \bar{\nu}$ **Speaker**

Prof. Youngjoon Kwon

17:15-18:00

Hunting ALP-like particle through Higgs boson exotic decays at the LHC**Speaker**

Prof. Myeonghun Park

18:00