

Session Program

12-16 Jan 2026



IAS Program on Fundamental Physics (FP 2026)

Conference: Parallel Sessions (Particle Phenomena)

Monday 12 January

14:00

Conference: Parallel Sessions (Particle Phenomena): M-PP01: Particle Phenomena I

Session |

Location: IAS2042, 2/F, IAS2042, 2/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |

14:00–14:20

Axion Modulations Save Large Field Inflation and Produce Nanohertz Gravitational Waves

Speaker

Kin-Wang NG

14:20–14:40

Small Instantons and the Post-inflationary QCD Axion in a Special Product GUT

Speaker

Junxuan XU

14:40–15:00

High Reheating Temperature without Axion Domain

Speaker

Yu-Cheng QIU

15:00–15:20

A Non-linear Representation of General Scalar Extensions of the Standard Model for HEFT Matching

Speaker

Huayang Song

15:20–15:40

Holographic Origins of the QCD Vacuum Angle and Axion

Speaker

Taewook YOUN

15:40

Tuesday 13 January

14:00

Conference: Parallel Sessions (Particle Phenomena): Tu-PP01: Particle Phenomena II

Session |

Location: IAS2042, 2/F, IAS2042, 2/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |

14:00–14:20

Can a Pseudoscalar with a Mass of 365 GeV in Two-Higgs-doublet Models Explain the CMS $t\bar{t}$ Excess?

Speaker

Kingman CHEUNG

14:20–14:40

Applying Strong Dynamics to Dark Matter Phenomenology

Speaker

Xiaoyong CHU

14:40–15:00

Sub-GeV Sterile Neutrino as a Probe of Neutrino Mass Generation in the Minimal Left-Right Symmetric Model

Speaker

Sida LU

15:00–15:20

Loop-level Lepton Flavor Violation in the Minimal Left-right Dymmetric Model

Speaker

Yongchao ZHANG

15:20–15:40

Interplay between Electroweak Baryogenesis and Collider Experiments

Speaker

Yanda WU

15:40