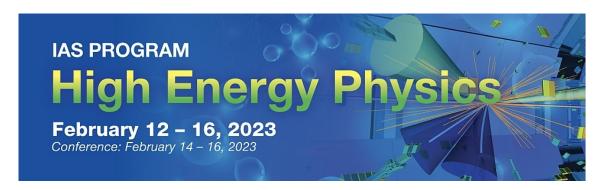
Session Program

12-16 Feb 2023



IAS Program on High Energy Physics (HEP 2023)

Mini-workshop: Theory

Sunday 12 February

08:55 Mini-workshop: Theory: Day 1 - Session S (TH1) Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Convener: Liming ZHANG 09:00-09:25 Low Energy FCNC Searches for Light Scalars and Pseudoscalars [Zoom] Speaker Jure ZUPAN 09:25-09:50 Lepton-flavour-violating Z and Quarkonium Decays Speaker Lorenzo CALIBBI 09:50-10:15 Recent Progress on CP Violation Speaker Qin QIN 10:15-10:40 Status of CEPC Flavor Physics Study Speaker Tsz Hong KWOK 10:40 11:00 Mini-workshop: Theory: Day 1 - Session S (TH2) Session Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kona Convener: Yu GAO 11:00-11:25 Photon-jet Events as a Probe of Axion-like Particles at the LHC Speaker Mengchao ZHANG 11:25-11:50 Models for the Muon EDM Speaker Yuichiro NAKAI 11:50-12:15 Time-varying Resonant Mass at Collider and Beam Dump Experiments Speaker Xiao-ping WANG 12:15-12:40 Z' and Leptoquark Searches at the P2 Experiment Speaker Yong Chao ZHANG 12:40

14:00 Mini-workshop: Theory: Day 1 - Session S: (TH3) Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong Convener: Hao ZHANG 14:00-14:25 Weak Mixing Angle Determination and BSM Searches: Theoretical Issues [Zoom] Alessandro VICINI Searching for the New Physics with Jet Charge [Zoom] Speaker Bin YAN 14:50-15:15 SMEFT at Future Lepton Colliders with Machine Learning Speaker Jiayin GU 15:15-15:40 Tau Polarization Measurement at FCC-ee [Zoom] Speaker Jean-Claude BRIENT

15:40

Monday 13 February

11:00 Mini-workshop: Theory: Day 2 - Session M (TH2) Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong Convener: Xiaoping WANG 11:00-11:25 HNL Search at Future Electron and Muon Colliders Speaker Ariel ROCK 11:25-11:50 ILC Beam Dump Experiment and New Physics Search Speaker Kento ASAI 11:50-12:15 Decay of the Mediator Particle at the Threshold [Zoom] Shigeki MATSUMOTO 12:15-12:40 Long Lived Particles at FCC-ee [Zoom] Speaker Suchita KULKARNI 12:40 14:00 Mini-workshop: Theory: Day 2 - Session M (TH3) Session Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kona | Convener: Qin QIN 14:00-14:25 Hidden-charm Exotics and Their Productions [Zoom] Speaker Feng-Kun GUO 14:25-14:50 Measurement of Vus with Tau Decays to Test of First Row CKM Matrix Unitarity [Zoom] Speaker Alberto LUSIANI 14:50-15:15 Long-lived Scalar at FASER Speaker Wei SU 15:15-15:40 New Physics in Meson Mixing [Zoom] Speaker Luiz Vale SILVA 15:40

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16:00

Mini-workshop: Theory: Day 2 - Session M (TH4) Location: Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong Convener: Zhen LIU 16:00-16:25 Going Beyond the Dimension 6 EFT in the High Energy/Luminosity Era Speaker Rick S. GUPTA 16:25-16:50 Probing Heavy Neutral Leptons at Future Experiments [Zoom] Speaker Juraj KLARIC 16:50-17:15 Machine Learning at Higgs Factory Speaker Shengdu CHAI 17:15-17:40 Probing R-parity Violation in B-meson Decays to a Baryon and a Light Neutralino [Zoom]

17:40

Speaker

Zeren Simon WANG