

Session Program

8-26 Jan 2024



IAS Program on High Energy Physics (HEP 2024)

***Conference: Parallel Sessions (Experiment/
Detector)***

Monday 22 January

14:00

Conference: Parallel Sessions (Experiment/Detector): CF-M3-ED01

Session |

Location: IAS1038, 1/F, IAS1038, 1/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |

Convener: Yaquan Fang

14:00-14:25 LHC Higgs Highlights

Speaker

Chen Zhou

14:25-14:50 New Physics at CEPC

Speaker

Xuai Zhuang

14:50-15:15 Highlights from LHCb

Speaker

Shanzhen Chen

15:15-15:40 Top Quark Measurement at the CEPC

Speaker

Xiaohu Sun

15:40

Tuesday 23 January

14:00

Conference: Parallel Sessions (Experiment/Detector): CF-Tu3-ED01

Session |**Location:** IAS1038, 1/F, IAS1038, 1/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |**Convener:** Roberto Ferrari

14:00–14:25

CPEC Calorimeters R&D: Status & Highlights

Speaker

Yong Liu

14:25–14:50

The Status of the GS-HCAL of CEPC[Zoom]

Speaker

Peng Hu

14:50–15:15

The R&D of the New Glass Scintillator for CEPC HCAL

Speaker

Zhehao Hua

15:15–15:40

Exploring the BSM Potential of Anomalous Neutral Gauge Couplings and Electroweak Phase Transition with CEPC Detector Simulation

Speaker

Shu Li

15:40

Wednesday 24 January

14:00

Conference: Parallel Sessions (Experiment/Detector): CF-W3-ED01

Session |

Location: IAS1038, 1/F, IAS1038, 1/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |

Convener: Suen Hou

14:00–14:25

Beam Induced Backgrounds at the CEPC

Speaker

Haoyu Shi

14:25–14:50

A TPC with Micromegas-based Readout at the Central Tracker for Future Colliders

Speaker

Serguei Ganjour

14:50–15:15

Perspectives for TPCs at Higgs/Electroweak Factories

Speaker

Paul Colas

15:40

16:00

Conference: Parallel Sessions (Experiment/Detector): CF-W3-ED02

Session |

Location: IAS1038, 1/F, IAS1038, 1/F, Lo Ka Chung Building, Lee Shau Kee Campus, The Hong Kong University of Science and Technology, Hong Kong |

Convener: Liangjian Wen

16:00–16:30

Advanced Reconstruction: jet origin id, PFA

Speaker

Manqi Ruan

16:30–17:00

Accelerated AI for Particle Physics

Speaker

Shih-Chieh Hsu

17:00–17:30

A SiPM Based Platform of Random Bit Streamers (Random Power)

Speaker

Massimo Caccia

17:30–18:00

Jet Flavor Tagging Using AI Tools

Speaker

Taikan Suehara

18:00