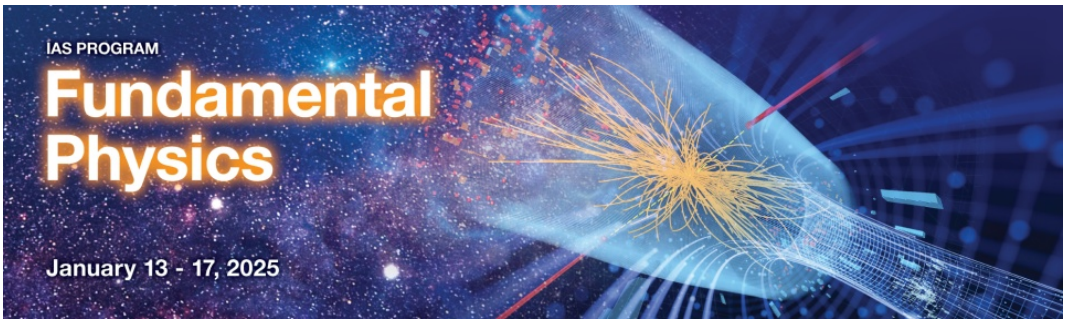
Session Program

Jan 13 – 17, 2025



IAS Program on Fundamental Physics (FP 2025)

Conference: Parallel Sessions (Experiment/ Detector)

Tue, January 14

2:00 PM

Conference: Parallel Sessions (Experiment/Detector): 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: Yiming LI

2:00 – 2:20 PM **CEPC ECAL Activities & Highlights**

Speaker
Yong LIU

2:20 – 2:40 PM **CEPC Stereo Xstal ECAL**

Speaker
Huaqiao ZHANG

2:40 – 3:00 PM **Cyber PFA for the CEPC Ref TDR**

Speaker
Fangyi GUO

3:00 – 3:20 PM
Pixelated Readout Time Projection Chamber Technology R&D for Future Circular Collider

Speaker
Huirong QI

3:20 – 3:40 PM
1-1 Correspondence Reconstruction and Color Singlet Identification at the CEPC

Speaker
Yuexin WANG

3:40 PM

4:10 PM

Conference: Parallel Sessions (Experiment/Detector): Tu-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: Yong LIU

4:10 – 4:30 PM **CEPC Beam Background & MDI**

Speaker
Haoyu SHI

4:30 – 4:50 PM **Development of the CEPC VTX Prototype**

Speaker
Ying ZHANG

4:50 – 5:10 PM **CEPC CMOS Strip Tracker [Zoom]**

Speaker
Xin SHI

5:10 – 5:30 PM **LGAD Based Timing Detector for the Future Collider**

Speaker
Mei ZHAO

5:30 – 5:50 PM

Development of HVCMOS in 55 nm Process for Future Tracking Detectors

Speaker
Yiming LI

5:50 – 6:10 PM

Performance and Background Analysis of CEPC Vertex Detector

Speaker
Hancen LU

6:10 PM

Wed, January 15

2:00 PM

Conference: Parallel Sessions (Experiment/Detector): 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: Kai YI

2:00 – 2:20 PM **CEPC New Physics White Paper Studies**

Speaker
Xuai ZHUANG

2:20 – 2:40 PM **CEPC Flavor Physics White Paper Status**

Speaker
Lorenzo CALIBBI

2:40 – 3:00 PM **CKM Elements Measurements at the CEPC**

Speaker
Shanzhen CHEN

3:00 – 3:20 PM
Time-Dependent Precision Measurement of Bs0 → φμ+μ− Decay at FCC-ee

Speaker
Tsz Hong KWOK

3:20 – 3:40 PM **Experimental Road to a Charming Family of Tetraquark and Beyond**

Speaker
Kai YI

3:40 PM

4:10 PM

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

Session |
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Convener: Xuai ZHUANG

4:10 – 4:30 PM **Recent Dark Matter/Photon/Higgs Search Results from ATLAS**

Speaker
Qibin LIU

4:30 – 4:50 PM **Automatizing the search for mass resonances using BumpNet**

Speaker
Michael Kwok Lam CHU

4:50 – 5:10 PM **Recent Progress of DarkSHINE R&D**

Speaker
Kun LIU

5:10 – 5:30 PM
Innovative Axion Detection via Resonantly Enhanced Photon Regeneration in Penning Traps

Speaker
Jie FENG

5:30 – 5:50 PM **LLP Searches with Codex-b**

Speaker
Bingxuan LIU

5:50 PM