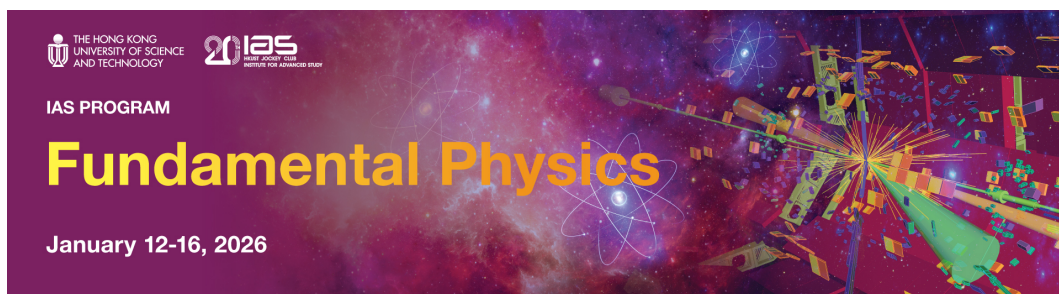


Session Program

12-16 Jan 2026



IAS Program on Fundamental Physics (FP 2026)

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

Monday 12 January

14:00

Conference: Parallel Sessions (Collider/Experiment/Detector): M-ED01: Collider Physics I

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 |

14:00–14:20

Improved Constraints on Higgs Self-couplings in HEFT

Speaker

Jian WANG

14:20–14:40

Combination of ATLAS And CMS Searches for Higgs Boson Pair Production at 13 TeV

Speaker

Bai-Hong ZHOU

14:40–15:00

Higgs self-coupling Measurement @ LHC

Speaker

Yanping HUANG

15:00–15:20

[Online via Zoom] Standard Model HZZ Polarization Measurement and WZ γ Observation at CMS

Speaker

Leyun GAO

15:40

16:10

Conference: Parallel Sessions (Collider/Experiment/Detector): M-ED02: Collider Physics II

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 |

16:10–16:30

BSM Search Potential at CEPC

Speaker

Xuai ZHUANG

16:30–16:50

Heavy Flavor Opportunities @ CEPC

Speaker

Shanzhen CHEN

16:50–17:10

Status of CEPC Hadronic Calorimeter

Speaker

Haijun YANG

17:10–17:30

Real Triplet Extension Radiative Correction to Higgs-strahlung in Future Colliders

Speaker

Mohamed Younes SASSI

17:50

17:30-17:50

Two-pion Distribution Amplitudes and the $H_{\{I4\}}$ Phenomena

Speaker

Shan CHENG

Tuesday 13 January

14:00

Conference: Parallel Sessions (Collider/Experiment/Detector): Tu-ED01: Collider Detector I

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 |

14:00–14:20

Silicon Vertex Detector at CEPC

Speaker

Zhijun LIANG

14:20–14:40

Development of HVCMOS-based CEPC Inner Tracker

Speaker

Zijun XU

14:40–15:00

Overview of the CEPC Outer Tracker and Recent Progress in Key Detector Technologies

Speaker

Jiajian TEOH

15:00–15:20

Overview of LHCb Mighty Tracker

Speaker

Yanyan GAO

15:20–15:40

Progress on TPC Technology for e^+e^- Collider and Neutrino Detection

Speaker

Huirong QI

15:40

16:10

Conference: Parallel Sessions (Collider/Experiment/Detector): Tu-ED02: Collider Detector II

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 |

16:10–16:30

The IDEA Detector for Future e^+e^- Colliders

Speaker

Paolo GIACOMELLI

16:30–16:50

High-granularity crystal calorimeter for future Higgs factories

Speaker

Yong LIU

16:50–17:10

Luminosity measurement at the future e^+e^- collider

Speaker

Lei ZHANG

17:10–17:30

CEPC Reference Detector Performance

Speaker
Mingshui CHEN

17:30–17:50 **Learning from All Reconstructed Particle at CEPC**

Speaker
Manqi RUAN

17:50

Thursday 15 January

14:00

Conference: Parallel Sessions (Collider/Experiment/Detector): Th-ED01: Collider Physics III

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 |

14:00–14:20	<p>Precise determination of the strong coupling constant from collider data</p> <p>Speaker Xiaoyuan ZHANG</p>
14:20–14:40	<p>Probing light-quark dipole operators with nucleon energy correlators</p> <p>Speaker Yingsheng HUANG</p>
14:40–15:00	<p>Long-lived particle searches</p> <p>Speaker Wei SU</p>
15:00–15:20	<p>Heavy Long-lived Dark Vector Via a Gluonic Portal</p> <p>Speaker Qiyuan GAO</p>

15:40