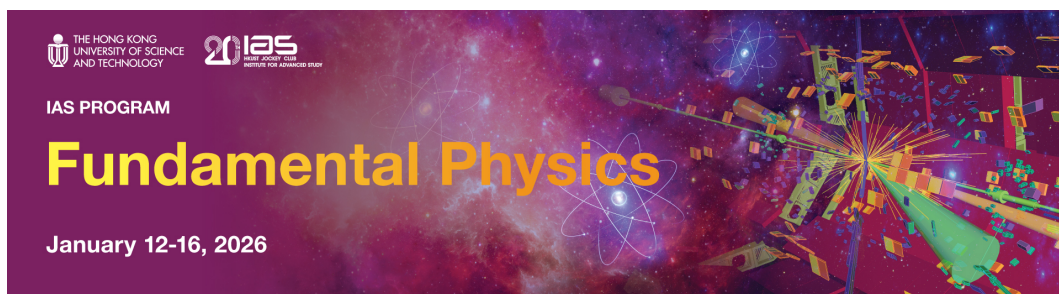


Session Program

12-16 Jan 2026



IAS Program on Fundamental Physics (FP 2026)

Conference: Parallel sessions (New Experiments/Technologies/Probes)

Monday 12 January

16:10

Conference: Parallel sessions (New Experiments/Technologies/Probes): M-NTP01: New Experiments/Technologies/Probes 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 |

16:10-16:30

Recent Progress of DarkSHINE R&D

Speaker

Xuliang ZHU

16:30-16:50

Probing Dark Particles in Neutrino Scattering Experiments

Speaker

Ruofei FENG

16:50-17:10

Reactor Detection of Dark Sector Particles

Speaker

Jie TANG

17:10-17:30

[Online via Zoom] Quantum artificial intelligence for pattern recognition at high-energy colliders: Tales of Three "Quantum's"

Speaker

Hideki OKAWA

17:50

Thursday 15 January

16:10

Conference: Parallel sessions (New Experiments/Technologies/Probes): Th-NTP02: New Experiments/Technologies/Probes 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

Detecting Ultralight Dark Matter with Matter Effect

Speaker

Xucheng GAN

16:30-16:50

[Online via Zoom] SRF Cavity Search for New Physics

Speaker

Jing SHU

16:50-17:10

Quantum Nature Based Detection of Signals Free of Classical Noise

Speaker

Xuliang DU

17:10-17:30

[Online via zoom] Measure Gravitational Wave with a Novel Mössbauer Spectrometer

Speaker

Huaqiao ZHANG

17:30-17:50

Detect Axions with Mössbauer Effect

Speaker

Shengyi LIU

17:50