

OCPA10
Particle Physics
Parallel Sessions

Venue: Suntec Center Meeting Room 329

1. Accelerator-Particle Physics (22 June, 13:30-15:30) (Session code HEP1)

Chair: Shih-Chieh Hsu (University of Washington, Seattle)

Time	Speaker	Presentation Title
13:30-14:00	Miao He	Status of the CEPC
14:00-14:30	Qiong Wu	Status of Electron-Ion Collider
14:30-15:00	Jingyu Tang	Project Status and Perspective of the Super Tau Charm Facility
15:00-15:30	Qiang Li	Probing and Knocking with Muons: from Muon Colliding to Muon Scattering Experiments, or vice versa

2. Flavour Physics I (22 June, 15:50-17:30) (Session code HEP2)

Chair: Kam-Biu Luk (HKUST and University of California, Berkeley)

Time	Speaker	Presentation Title
15:50-16:20	Qun Wu	First Results and Prospects of JUNO
16:20-16:50	Yuekun Heng	Direct Measurement of Neutrino Mass Based on Low-Decay-Energy Nuclides and Superconducting Detection Technology
16:50-17:10	Zihan Yu	Global hadron spin polarization in relativistic heavy-ion collisions
17:10-17:30	Ji-Peng Lyu	Global hadron-hadron spin correlations in relativistic heavy ion collisions

3. Collider Physics (23 June, 13:30-15:30) (Session code HEP3)

Chair: Hsiang-Nan Li (Academia Sinica)

Time	Speaker	Presentation Title
13:30-14:00	Shu Li	Latest Results on Electroweak physics at LHC
14:00-14:30	Pai-Hsien Jennifer Hsu	Latest Results on Higgs Physics
14:30-15:00	Shih-Chieh Hsu	Hunting the Unusual: AI and Exotic Signatures Beyond the Standard Model
15:00-15:30	Jiang-Hao Yu	New Physics Searches from EFT Precision to Future Colliders

4. Flavour Physics II (23 June, 15:50-17:50) (Session code HEP4)

Chair: Qun Wu (Shandong University)

Time	Speaker	Presentation Title
15:50-16:20	Hsiang-nan Li	CP Violation in Heavy Baryon Decays
16:20-16:50	Zhengyun You	Highlights of BESIII Experiment
16:50-17:20	Yuehong Xie	CP violation and rare decays of heavy-flavour hadrons at LHCb
17:20-17:50	Chieh Lin	KOTO and KOTO-II: Search for New Physics through the $K_L \rightarrow \pi^0 \nu \bar{\nu}$ decay

5. Non-accelerator Particle Physics (24 June, 13:30-15:30) (Session code HEP5)

Chair: Min-Zu Wang (National Taiwan University)

Time	Speaker	Presentation Title
13:30-14:00	[Remote] Samuel Wong	Electron Trap as Dark Matter Detector
14:00-14:30	Yiming Zhong	When Does a Dark Matter Halo Collapse?
14:30-15:00	Yong Yang	Recent results of PandaX experiment
15:00-15:30	Yuan-Hann Chang	Search for Axion Dark Matter with the TASEH experiment

6. Non-Accelerator Physics (24 June, 15:50-17:50) (Session code HEP6)

Chair: Yong Yang (Shanghai Jiaotong University/TDLI)

Time	Speaker	Presentation Title
15:50-16:20	Tjonnlie Li	<u>Latest Results in Gravitational-Wave Physics: From Strong-Field Gravity to Cosmological Signals</u>
16:20-16:50	Yue Zhao	Ultralight Particle Hunts Using Gravitational-Wave Interferometers and Black Hole Polarimetry
16:50-17:20	Chong-Sun Chu	A Proposal for a Quantum Mechanical Model of Black Hole
17:20-17:50	Min-Zu Wang	Recent Results From the BELLE II Experiment