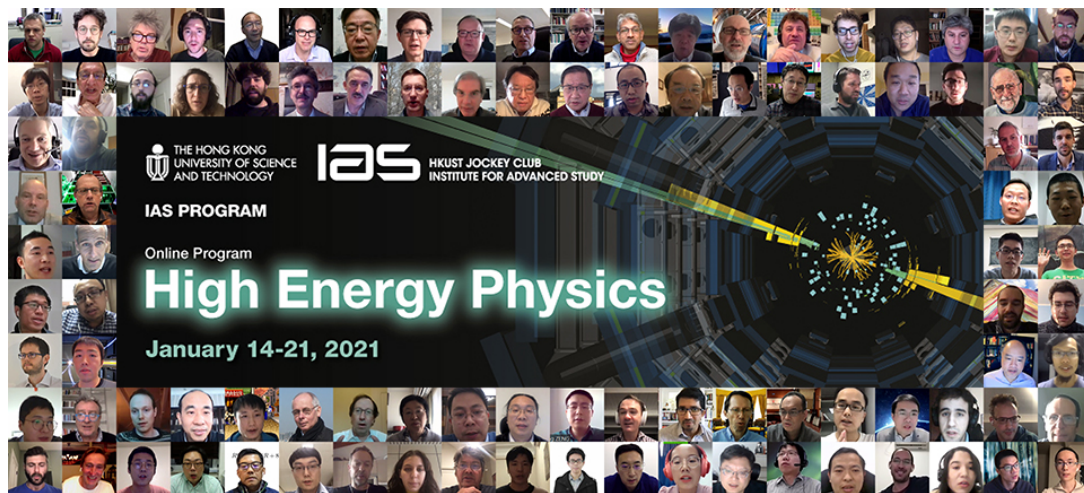


Session Program

14-21 Jan 2021



IAS Program on High Energy Physics (HEP 2021)

Conference: Theory

Online via Zoom

Tuesday 19 January

16:00

Conference: Theory: Day 1 (CF-TH-D1)

Session | **Location:** Online via Zoom | **Convener:** Cen ZHANG

16:00–16:24

#1: On RG Flows near a UV and Quantum, 1st Order Phase Transition - A Profile of a Higgs Mechanism

Speaker

Fotios KOUTROULIS

16:24–16:48

#2: Calculating C_p Invariance Using Weak Basis Invariants in Hybrid Textures of Neutrino Mass Matrix

Speaker

Madan SINGH

16:48–17:12

#3: Vector-Like Leptons and Inert Scalar Triplet: Lepton Flavor Violation, $g-2$ and Collider Searches

Speaker

Álvaro JESUS

17:12–17:36

#4: Improved $(g-2)_\mu$ Measurements and Supersymmetry

Speaker

Sven HEINEMEYER

17:36–18:00

#5: Dead or Alive? Implications of the Muon Anomalous Magnetic Moment for 3-3-1 Models

Speaker

Yoxara Sánchez VILLAMIZAR

18:00

Wednesday 20 January

16:00

Conference: Theory: Day 2 (CF-TH-D2)

Session | **Location:** Online via Zoom | **Convener:** Haipeng AN

16:00–16:24

#1: Long-lived Particle Searches at Colliders

Speaker

Jia LIU

16:24–16:48

#2: Higgs Alignment and Novel CP-Violating Observables in 2HDM

Speaker

Xiaoping WANG

16:48–17:12

#3: Probing EWPT in 2HDM with Future Lepton Colliders

Speaker

Wei SU

17:12–17:36

#4: CP-violating Higgs Di-tau Decay at Future Lepton Colliders

Speaker

Shao-Feng GE

17:36–18:00

#5: Gravitational Microlensing by Dark Matter Subhalos and Boson Stars

Speaker

Zihui WANG

18:00–18:25

#6: Probing Dark Matter with Future CMB Measurements

Speaker

Junsong CANG

18:25–18:50

#7: Stellar Limits on a Light Scalar

Speaker

Yongchao ZHANG

18:50

Thursday 21 January

16:00

Conference: Theory: Day 3 (CF-TH-D3)

Session | **Location:** Online via Zoom | **Convener:** Xiaoping WANG

16:00–16:24 **#1: Mass Unspecific Supervised Tagging (MUST) for Boosted Jets**

Speaker

João SEABRA

16:24–16:48 **#2: Global Analysis of the Charged Lepton Flavor Violation Effects**

Speaker

Bin YAN

16:48–17:12 **#3: Precision Higgs Couplings in Neutral Naturalness Models**

Speaker

Huayang SONG

17:12–17:36

#4: Looking for Beyond Standard Model Short-lived Particles with Secondary Production

Speaker

Krzysztof JODLOWSKI

17:36–18:00

#5: Status of the Multi-lepton Anomalies at the LHC and its Implications

Speaker

Bruce Mellado GARCIA

18:00–18:25 **#6 Probing B-L Models and the Seesaw from Displaced Vertex Signal**

Speaker

Wei LIU

18:25