

Session Program

24-25 Jun 2017

**Gordon Research Seminar in Particle Physics:
Pushing the Frontiers of Particle Physics
During the LHC Run II Era**

Short oral presentations

Hong Kong University of Science and Technology (HKUST)

Saturday 24 June

16:30

Short oral presentations: Short oral presentations - Session I

Session | **Location:** Hong Kong University of Science and Technology (HKUST)

16:30–16:35

Interference Study on ttbb Final State by Monte Carlo Event Generation for a Heavy Higgs Search at the ATLAS Experiment at the LHC

Speaker

Wing Yan Wong

16:35–16:40

Probing 6D Higgs Operators at Future e^+e^- Colliders

Speaker

Wen Han Chiu

16:40–16:45

Optimizing Boosted Decision Trees for SUSY Searches at ATLAS

Speaker

Gabriel Gallardo

16:45–16:50

How Does Leptonic Collider Indirectly Probe Neutralino Dark Matter?

Speaker

Huayong Han

16:50–16:55

Six-top quark channel phenomenon

Speaker

Li Huang

16:55–17:00

Light Stops, Heavy Higgs, and Heavy Gluinos in Supersymmetric Standard Models with Extra Matters

Speaker

Takumi Kuwahara

17:00–17:05

The Maximally Symmetric Composite Higgs

Speaker

Teng Ma

17:05–17:10

Top FCNC (tcH) Simulation Through Monte Carlo Generators

Speaker

Jia Shian Wang

17:10–17:15

Electroweak monopoles and the electroweak phase transition

Speaker

Suntharan Arunasalam

17:30

Sunday 25 June

11:00

Short oral presentations: Short oral presentations - Session II

Session | **Location:** Hong Kong University of Science and Technology (HKUST)

11:00-11:05 **Interpreting the 3 TeV WH resonance as a W' boson**

Speaker

Po-Yen Tseng

11:05-11:10

A Tale of Two Portals: Testing Light, Hidden New Physics at Future e^+e^- Colliders

Speaker

Felix Yu

11:10-11:15

Observation of a Baryonium Candidate at BES

Speaker

Tianjue Min

11:15-11:20

Nonstandard neutrino interactions at the MOMENT

Speaker

Yibing Zhang

11:20-11:25

The ALP miracle: unified inflaton and dark matter

Speaker

Ryuji Daido

11:25-11:30

Anomalous Triple Gauge Boson Coupling and Higgs Photoproduction Measurements at LHeC

Speaker

Tao Xu

11:30-11:35

Probing the scale dependence of Non-Gaussianity through the CMB Spectral Distortion

Speaker

Razieh Emami Meibogy

11:35-11:40

3 Ways of Dark Matter Search at XMASS

Speaker

Benda Xu

11:40-11:45

New physics in multi-Higgs final states in 14 and 100 TeV colliders:

Speaker

Sichun Sun

11:45-11:50

Intermediate Mass Black Holes with Mirror Matter

Speaker

Guido D'Amico

11:50–11:55

Increasing signal for Pulsar timing by two types of ultralight scalar axions

Speaker

Hoang Nhan Luu

12:00