

Session Program

4-9 May 2025

May 5-9, 2025

LHCP *TAIPEI*
2025

**13th Edition of the Large Hadron Collider
Physics Conference**

BSM-1

Monday 5 May

14:00

BSM-1: Boosted t/H Resonances

Session | Location: Socrates

14:00-14:18 Recent Results on Searches with Boosted Tops (CMS)

Speaker

Emanuele Usai

14:18-14:36 Recent Results on Searches with Boosted Top (ATLAS)

Speaker

Elizaveta Sitnikova

14:36-14:54 Boosted t/H Highlight Talk (ATLAS + CMS)

Speaker

Ting-Hsiang Hsu

14:54-15:12 Recent Results on Searches with Boosted Higgs (ATLAS)

Speaker

Dr Sahibjeet Singh

15:12-15:30 Recent Results on Searches with Boosted Higgs (CMS)

Speaker

Farouk Mokhtar

15:50

Tuesday 6 May

10:45

BSM-1: Anomaly/Trigger-Level Searches

Session | **Location:** Socrates

10:45–11:03 **FPGAs for Anomaly Detection**

Speaker

Tae Min Hong

11:03–11:21 **Quantum Similarity Learning for Anomaly Detection**

Speaker

Dr Ahmed Hammad

11:21–11:39 **Jet Classification with High-Level Features**

Speaker

Sung Hak Lim

11:39–11:57

Recent Results on Anomaly Detection / ML / UL based searches (ATLAS + CMS)

Speaker

Vilius Čepaitis

11:57–12:15 **Recent Results on Scouting / Trigger-level Analyses (ATLAS+CMS)**

Speaker

Swagata Mukherjee

12:15

13:40

BSM-1: SUSY + Exotics

Session | **Location:** Socrates

13:40–13:58 **Recent SUSY Results (ATLAS)**

Speaker

Sofia Cella

13:58–14:16 **Recent SUSY Results (CMS)**

Speaker

Changgi Huh

14:16–14:34 **SUSY Highlight (ATLAS + CMS)**

Speaker

Eric Ballabene

14:34–14:52 **Recent Heavy H/A Results (ATLAS)**

Speaker

Yuan-Tang Chou

14:52–15:10 **Recent Heavy H/A Results (CMS)**

Speaker

Gouranga Kole

15:30

15:10-15:28

Discussion Time

Friday 9 May

10:45

BSM-1: Heavy Fermions

Session | **Location:** Forum

10:45–11:03

Recent Results on VLQs / Excited Fermions (ATLAS)

Speaker

Jose Enrique Garcia Navarro

11:03–11:21

Recent Results on VLQs / Excited Fermions (CMS)

Speaker

Yu-Wei Kao

11:21–11:39

Recent Results on VLLs / Seesaw Fermions (ATLAS)

Speaker

Giuseppe Carratta

11:39–11:57

Recent Results on VLLs / Seesaw Fermions (CMS)

Speaker

Halil Saka

12:15

13:40

BSM-1: Heavy Bosons

Session | **Location:** Socrates

13:40–13:58

Recent Hadronic Results (CMS)

Speaker

Petar Maksimovic

13:58–14:16

Recent Hadronic Results (ATLAS)

Speaker

Nikolina Ilic

14:16–14:34

Prospects for general 2HDM charged Higgs boson searches at the LHC

Speaker

Mohamed Krab

14:34–14:52

Recent Non-Hadronic Results (CMS)

Speaker

Diego Fernandez Del Val

14:52–15:10

Recent Non-Hadronic Results (ATLAS)

Speaker

Roy Schimmel Brener

15:30