

**Session Program**

**29 November 2022**

**12th LHC students poster session**

***BSM searches***

# Tuesday 29 November

10:07

## BSM searches

Session | Location:

10:07-10:08

**Search for a vector-like quark  $T' \rightarrow tH$  in the diphoton decay mode of the Higgs boson in proton-proton collisions at  $\sqrt{s} = 13$  TeV with CMS**

**Speaker**

Yu-Wei Kao

10:08-10:09

**Search for Heavy (pseudo)Higgs boson  $A/H$  produced in association with a top-antitop quark pair leading to the final state with four top quarks in pp collisions at  $\sqrt{s} = 13$  TeV with the ATLAS detector**

**Speaker**

Meng-Ju Tsai

10:09-10:10

**How to understand anomalous di-Higgs production in ATLAS at the LHC in the  $bbbb$  final state.**

**Speaker**

Iza Veliscek

10:10-10:11

**Search for a dark photon in resonant mono-photon signatures from Higgs boson decays in ATLAS**

**Speaker**

Matthias Vigl

10:11-10:12

**Search for supersymmetry in events with a displaced and delayed diphoton vertex in ATLAS**

**Speaker**

Andrew Caldon Smith

10:12-10:13

**Displaced Vertices in ATLAS and How to Estimate Them**

**Speaker**

David Rousso

10:13-10:14

**Search for  $K_{S(L)} \rightarrow 4 \mu$  at LHCb**

**Speaker**

Miguel Fernandez Gomez

12:07