

## Session Program

8-10 May 2023



# Phenomenology 2023 Symposium

## *SM III*

University of Pittsburgh  
Pittsburgh, PA 15260

# Tuesday 9 May

14:00

## SM III

**Session** | **Location:** Lawrence Hall 106 | **Convener:** Chiara Bissolotti

14:00–14:15

**Measurements of Higgs boson production and decay rates and their interpretation with the ATLAS experiment**

**Speaker**  
Shuo Han

14:15–14:30

**Non-resonant di-Higgs searches in  $bb\tau\tau$ ,  $bbgg$ ,  $bbZZ$ ,  $bbWW$ ,  $WWgg$ , and multilepton final states at CMS**

**Speaker**  
Vivan Nguyen

14:30–14:45

**Measurements of Higgs boson properties (mass, width, and Spin/CP) with the ATLAS detector**

**Speaker**  
Luca Franco

14:45–15:00

**Probing the nature of electroweak symmetry breaking with Higgs boson pairs in ATLAS**

**Speaker**  
Christina Dimitriadi

15:00–15:15

**Multi-photon decays of the Higgs boson at the LHC**

**Speaker**  
Samuel Lane

15:15–15:30

**A Guide to Anomaly-Mediated Supersymmetry Breaking QCD**

**Speaker**  
Andrew Wesley Gomes

15:30–15:45

**The top quark legacy of the LHC Run II for PDF and SMEFT analyses**

**Speaker**  
Maeve Madigan

15:45–16:00

**Lighting up the LHC with Dark Matter**

**Speaker**  
Tong Ou

16:00