

## Session Program

8-10 May 2023



# Phenomenology 2023 Symposium

## ***BSM X***

University of Pittsburgh  
Pittsburgh, PA 15260

# Tuesday 9 May

16:30

## BSM X

**Session** | **Location:** Lawrence Hall 104 | **Convener:** Paul Thompson

16:30-16:45

### Searches for BSM interactions with top quarks and EFT interpretations at CMS

**Speaker**

Brent Yates

16:45-17:00

### Searches for electroweak production of SUSY particles with the CMS experiment

**Speaker**

Pablo Matorras-Cuevas

17:00-17:15

### Search for inelastic dark matter with the CMS detector

**Speaker**

Samuel Kai Bright-Thonney

17:15-17:30

### SUSY searches in photonic final states with CMS

**Speaker**

Manfred Paulini

17:30-17:45

### Search for long-lived particles decaying to trackless jets with advanced machine learning techniques at CMS

**Speaker**

Lisa Benato

17:45-18:00

### Searches for non-conventional signatures at CMS

**Speaker**

Jingyu Luo

18:00-18:15

### New search strategies for exotic decays of the Higgs boson to four bottom quarks using vector boson fusion

**Speaker**

Ben Carlson

18:15-18:30

### Prospects of Heavy Higgs scalar in the natural SUSY at LHC upgrades

**Speaker**

KAIRUI ZHANG

18:30