

## **Session Program**

**5 June 2023 to 11 August 2023**

# **USCMS Undergraduate Summer Internship 2023**

***Morning: Session - Interns' Final  
Presentations (Each 30 min slot = 15 min  
slides +5 min Q&A +10 min write feedback)¶***

USCMS, Virtual

## Wednesday 9 August

09:00

### Morning: Session - Interns' Final Presentations (Each 30 min slot = 15 min slides +5 min Q&A +10 min write feedback)¶

Session | Location: WH11NW (Pileup Room)

09:00–09:30

#### Talk 1 - Training and validation of Machine Learning algorithms in the Endcap Muon Track-Finder

**Speaker**

Emanuela Riglioni

09:30–10:00

#### Talk 2 - Design of radiation hard thermal interface material for CMS Phase II Inner Tracker

**Speaker**

Brendan Rickets

10:00–10:30

#### Talk 3 - Observations of the Top Quark

**Speaker**

Jordan Glover

10:30–11:00

#### Talk 4 - Dimensionality reduction for classification using Higgs dataset

**Speaker**

Carlos Romero

11:00–11:30

#### Talk 5 - Testing the Efficiency of Machine Learning at Classifying Higgs Boson Decays and Testing the Efficiency of New Triggers in Run 3 data

**Speaker**

Parveen Narula

11:30–12:00

#### Talk 6 - Accurate Modeling of Electron Tagging Efficiency

**Speaker**

Hailemariam Ayalneh

12:00