

**Session Program**

**5 June 2023 to 11 August 2023**

**USCMS Undergraduate Summer Internship  
2023**

***Morning Session***

USCMS, Virtual

# Monday 5 June

09:00

## Morning Session: Greetings

**Session** | **Location:** WH11NW (Pileup Room) | **Convener:** Sudhir Malik

09:00-10:00 **Welcome by USCMS**

10:00-11:00 **FNAL ID and Badging Time**

11:00-13:00 **Cohort building and Introductions (Interns and Mentors)**

### Speakers

Julie Hogan, Matthew Bellis

13:00

# Tuesday 6 June

09:00

## Morning Session: Training Days

Session | Location: WH11NW (Pileup Room)

09:00–10:00 **Entering Research 1: Setting Expectations**

**Speakers**

Chris Palmer, Cristina Ana Mantilla Suarez

10:00–12:00 **Unix Tutorial**

**Speaker**

Marco Mambelli

19:00

# Wednesday 7 June

09:00

12:00

## Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00–12:00 **Python I**

**Speaker**

Bruno Moreira Coimbra

# Thursday 8 June

09:00

12:00

## Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00–12:00 **Git**

**Speaker**

Marco Mambelli

# Friday 9 June

09:00

## Morning Session: WH11NW (Pileup Room)

Session | Location: WH11NW (Pileup Room)

09:00-10:00 **Python for HEP (Scikit-HEP)**

**Speaker**

SHIVANI LOMTE

10:00-10:30

**Bonnie Fleming (FNAL Deputy Director for S&T and CRO) talks to interns**

10:30-11:40

**Python for HEP (Scikit-HEP) continued**

11:40-12:00

**ROC tour - David Yu**

12:00

# Monday 12 June

09:00

11:30

## Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00–11:30 **PyROOT and RDataFrame**

**Speaker**

Guillermo Antonio Fidalgo Rodriguez

# Tuesday 13 June

09:00

## Morning Session: Morning Session

**Session** | **Location:** FNAL, WH11NW (Pileup Room)

09:00–10:00 **Entering Research 2: What to do?**

**Speakers**

Chris Palmer, Cristina Ana Mantilla Suarez

10:00–11:40 **Python for HEP (Scikit-HEP)**

11:40–12:00 **CMS/LPC/HEP/Vision - conversation**

**Speaker**

Boaz Klima

12:00



# Wednesday 14 June

09:00

12:00

## Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00–12:00 **Machine Learning**

**Speaker**

Nikolas Pervan

**Location**

WH11NW (Pileup Room)

# Thursday 15 June

09:00

12:00

## Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00-12:00 **C++**

### Speaker

Nikolas Pervan

## Friday 16 June

09:00

12:00

### Morning Session

**Session** | **Location:** WH11NW (Pileup Room)

09:00–12:00 **Containers and Apptainer**

**Speaker**

Marco Mambelli