

## **Session Program**

**13-17 May 2024**



## **DPF - PHENO 2024**

### ***Computing, Analysis Tool and Data Handling***

University of Pittsburgh / Carnegie Mellon University

# Sunday 12 May

16:00

## Computing, Analysis Tool and Data Handling

**Session** | **Location:** University of Pittsburgh, David Lawrence Hall 105 | **Convener:** Ahmed Youssef

16:00–16:15

### ARCANE Reweighting: A Solution to the Negative Weights Problem in Collider Monte Carlo

**Speaker**

Prasanth Shyamsundar

**Location**

University of Pittsburgh, David Lawrence Hall 105

16:15–16:30

### A Matrix-Based Approach for Jet-Parton Assignment Leveraging Mass and Momentum Using CMS Open Data

**Speaker**

Eric Reinhardt

**Location**

University of Pittsburgh, David Lawrence Hall 105

16:30–16:45

### Resolving Combinatorial Problems with Quantum Algorithms

**Speaker**

Jacob Scott

**Location**

University of Pittsburgh, David Lawrence Hall 105

16:45–17:00

### Multi-vertex jet trigger at ATLAS' upgrade for HL-LHC using Boosted Decision Trees on FPGAs

**Speaker**

Santiago Cane

**Location**

University of Pittsburgh, David Lawrence Hall 105

17:00–17:15

### Data Quality Monitoring for the HL-LHC Upgrade to the CMS Outer Tracker

**Speaker**

Brandi Nicole Skipworth

**Location**

University of Pittsburgh, David Lawrence Hall 105

17:15–17:30

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**Location**

17:30