

## **Session Program**

**3-7 Jun 2024**



# **12th Edition of the Large Hadron Collider Physics Conference**

## ***Performance***

Boston, USA  
Northeastern University, Boston, USA

## Tuesday 4 June

14:00

### Performance

**Session** | **Location:** ISEC Room 140 | **Conveners:** Swagata Mukherjee, Matteo Concas, Ruggero Turra, Giulia Tuci

**14:00-14:18** Performance highlights in ALICE

**Speaker**

Francesco Mazzaschi

**14:18-14:36** Performance highlights in ATLAS

**Speaker**

Antonio Giannini

**14:36-14:54** Performance highlights in CMS

**Speaker**

Dr Marco Musich

**14:54-15:12** Performance highlights in LHCb

**Speaker**

Elena Dall'Occo

**15:12-15:30** Performance overview of SND@LHC and Faser

**Speakers**

Anni Kauniskangas, Ettore Zaffaroni

15:30

## Thursday 6 June

14:00

### Performance

**Session** | **Location:** ISEC Room 138 | **Conveners:** Ruggero Turra, Swagata Mukherjee, Giulia Tuci, Matteo Concas

14:00-14:18

#### ALICE 3 simulation and performance tools

**Speaker**

Cas Van Veen

14:18-14:36

#### Software framework for HL-LHC reconstruction

**Speaker**

Andy Morris

14:36-14:54

#### Pileup suppression with timing detectors

**Speaker**

Simone Pagan Griso

14:54-15:12

#### Data preservation and reinterpretation at the LHC

**Speaker**

Si Hyun Jeon

15:30

## Friday 7 June

11:00

### Performance

**Session** | **Location:** ISEC Room 136 | **Conveners:** Ruggero Turra, Swagata Mukherjee, Matteo Concas, Giulia Tuci

**11:00-11:18 GPU performance in Run3 ALICE online/offline reconstruction**

**Speaker**

Gabriele Cimador

**11:18-11:36 Real-time analysis, alignment and calibration at LHCb in Run 3**

**Speaker**

Kate Richardson

**11:36-11:54**

**Trigger performance (including data scouting and GPU) at CMS and ATLAS**

**Speaker**

Silvio Donato

**11:54-12:12**

**Fast simulation with generative models at the LHC**

**Speaker**

Liza Mijovic

**12:12-12:30**

**Software framework for analysis at the LHC**

**Speaker**

Allison Reinsvold Hall

12:30

14:00

### Performance

**Session** | **Location:** ISEC Room 136 | **Conveners:** Swagata Mukherjee, Matteo Concas, Ruggero Turra, Giulia Tuci

**14:00-14:18 Performance of the particle identification system at LHCb**

**Speaker**

Michele Atzeni

**14:18-14:19**

**Reconstruction, identification, and calibration of electrons and photons at ATLAS and CMS -- CANCELLED**

**Speaker**

Nadezhda Proklova

**14:36-14:54**

**Overview of jets, jet sub-structure, b/c-tagging and tau performance at ATLAS and CMS**

**Speaker**

Andrea Malara

**14:54-15:12**

**Machine learning in online/offline calibration and reconstruction at the LHC**

**Speaker**

Christian Sonnabend

15:30

15:12-15:30

## Tracking, particle flow and muon performance at CMS and ATLAS

### Speaker

Marco Vanadia