

Session Program

16-20 May 2022

The 10th Annual
Large Hadron Collider Physics Conference
May 16-21, 2022



10th Edition of the Large Hadron Collider Physics Conference

Performance and Tools

Monday 16 May

15:15

Performance and Tools: Object reconstruction

Session | **Conveners:** Song-Ming Wang, Eduardo Rodrigues, Stephanie Beauceron

15:15–15:30 **Strangeness tracking**

Speaker

David Dobrigkeit Chinellato

15:33–15:48 **Lepton + Tracking**

Speaker

Ricardo Vazquez Gomez

15:51–16:06 **Jet/MET + b/c tagging**

Speaker

Jyothsna Rani Komaragiri

16:09–16:24 **Direct online reconstruction**

Speaker

Maarten Van Veghel

16:27–16:42 **Triggering**

Speaker

Arantxa Ruiz Martinez

16:45

17:00

Performance and Tools: Experiments overview

Session | **Conveners:** Stephanie Beauceron, Eduardo Rodrigues, Song-Ming Wang

17:00–17:17 **ALICE experiment**

Speaker

Evgeny Kryshen

17:21–17:38 **ATLAS experiment**

Speaker

Maximilian Emanuel Goblirsch-Kolb

17:42–17:59 **CMS experiment**

Speaker

Tongguang Cheng

18:03–18:20 **LHCb experiment**

Speaker

Mark Tobin

18:24–18:41 **Luminosity measurements of the LHC experiments**

Speaker

Roman Lavicka

18:45

Wednesday 18 May

14:15

Performance and Tools: Tools

Session | **Conveners:** Song-Ming Wang, David Shih, Giulio Eulisse

14:15-14:30

Software for analysis (general Python ecosystem, Coffea, analysis facilities [T2/T3])

Speaker

Paul Alois Buhler

14:33-14:48

GPUs online

Speaker

Matteo Concas

14:51-15:06

New developments in fast simulation with machine learning

Speaker

Claudius Krause

15:10-15:25

Machine learning for analysis/calibration

Speaker

Anja Butter

15:25-15:40

New developments in event generators (CANCELLED)

Speaker

Emanuele Re

15:55

Thursday 19 May

14:15

Performance and Tools: Analysis tools

Session | **Conveners:** David Shih, Stephanie Beauceron, Giulio Eulisse

14:15–14:30 **New developments in recasting**

Speaker

Sabine Kraml

14:33–14:48 **Boosted algorithms for searches**

Speaker

Congqiao Li

14:51–15:06 **Online/offline development for LLP**

Speaker

Andrii Usachov

15:09–15:24

New developments in anomaly detection and model independent searches for new physics with machine learning

Speaker

Ben Nachman

15:27–15:42 **EFTs and machine learning**

Speaker

Maria Ubiali

16:00