

Session Program

May 25 - 30, 2020



8th Edition of the Large Hadron Collider Physics Conference

Higgs Physics

Tue, May 26

2:45 PM

Higgs Physics: SM Differential Higgs

Session | **Location:** | **Conveners:** Valerio Dao, Stephen Philip Jones, Marco Peruzzi

14:45 - 15:00

Higgs couplings and mass measurements in the diphoton decay channel with ATLAS and CMS

Speaker

Rajdeep Mohan Chatterjee

15:00 - 15:15

Higgs couplings and mass measurements in the ZZ and WW decay channels with ATLAS and CMS

Speaker

William Axel Leight

15:15 - 15:30

Higgs differential measurements with ATLAS and CMS

Speaker

Andrea Gabrielli

15:30 - 15:45

Differential theory predictions for Higgs production at the LHC

Speaker

Xuan Chen

15:45 - 16:00

New tools and parton shower for Higgs theoretical predictions

Speaker

Matthew Lim

4:15 PM

Thu, May 28

2:45 PM

Higgs Physics: HH and Decays

Session | **Location:** | **Conveners:** Marco Peruzzi, Valerio Dao, Stephen Philip Jones

14:45 - 15:00

Higgs measurements in 2nd generation decay channels with ATLAS and CMS

Speaker

Andrey Pozdnyakov

15:00 - 15:15

Higgs measurements in 3rd generation decay channels (excl. ttH) with ATLAS and CMS

Speaker

Stephen Jiggins

15:15 - 15:30

Theoretical predictions for SM and BSM HH production: tools and results

Speaker

Seraina Glaus

15:30 - 15:50

Recent HH results from ATLAS and CMS

Speaker

Daniel Guerrero

15:50 - 16:05

Direct and indirect constraints on the Higgs self coupling

Speaker

Stefano Manzoni

4:15 PM

Fri, May 29

12:30 PM

Higgs Physics: Couplings, STXS & EFTs

Session | **Location:** | **Conveners:** Valerio Dao, Stephen Philip Jones, Marco Peruzzi

12:30 - 12:45

New possibilities in Higgs measurements from detector upgrades and modern software tools

Speaker

Nan Lu

12:45 - 13:00

Multi-differential Higgs theory predictions: vetos and double-differential resummation

Speaker

Luca Rottoli

13:00 - 13:15

Combination of Higgs measurements from ATLAS and CMS: couplings and kappa framework

Speaker

Jonathon Mark Langford

13:15 - 13:30

Interpretation of ATLAS and CMS Higgs measurements in STXS and EFT

Speaker

Nikita Belyaev

13:30 - 13:48

Constraining the Higgs-gauge couplings through differential SMEFT analyses

Speaker

Shankha Banerjee

2:00 PM