Session Program

Sep 23 – 25, 2024

Higgs Hunting 2024

Topical talks

IJCLab, 200/0-Auditorium - Auditorium P. Lehmann
IJCLab Orsay (Monday) & APC Paris (Tuesday & Wednesday)

Mon, September 23

2:00 PM

Topical talks: Part 1

Session |
Location: IJCLab, 200/0-Auditorium - Auditorium P. Lehmann, IJCLab Orsay (Monday) & APC Paris (Tuesday & Wednesday) |
Convener: Valentina Cairo

2:00 – 2:15 PM **Interference effects in gg → H → Zγ beyond leading order**

Speaker
Federico Buccioni

2:15 – 2:27 PM **Higgs boson fiducial XS at √s=13.6 TeV with the CMS detector**

Speaker
Nico Harringer

2:27 – 2:39 PM
Improvements in the measurement of VBF and ttH production with H->□□ in ATLAS

Speaker
Enrique Valiente Moreno

2:39 – 2:51 PM **Higgs photoproduction**

Speaker
Laboni Manna

3:00 PM

5:25 PM

Topical talks: Part 2

Session |
Location: IJCLab, 200/0-Auditorium - Auditorium P. Lehmann, IJCLab Orsay (Monday) & APC Paris (Tuesday & Wednesday) |
Convener: Tatsuya Masubuchi

5:25 – 5:40 PM **Inert Doublet Models**

Speaker
Anupam Ghosh

5:40 – 5:52 PM
Searching for Higgs Boson Pairs in the bb□□ Final State with the ATLAS Experiment with Run 2 and beyond

Speaker
Florian Haslbeck

5:52 – 6:04 PM **Combination of X->HH/YH searches at CMS with Run2 data**

Speaker
Élise Jourd'Huy

6:05 PM

Tue, September 24

2:00 PM

Topical talks: Part 3

Session | **Location:** APC Paris | **Convener:** Djamel BOUMEDIENE

2:00 – 2:12 PM

Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons in proton-proton at 13 TeV with the ATLAS detector

Speaker
Maxime Fernoux

2:12 – 2:24 PM

Search for exotic decays of the Higgs Boson to a pair of pseudoscalars at CMS

Speaker
Lakshmi Pramod

2:24 – 2:36 PM

Boosted Higgs decays to b-quarks in ATLAS

Speaker
Marion Missio

2:36 – 2:48 PM

Search for pseudoscalars and scalars decaying to top quark pairs with CMS Run 2

Speakers
Samuel Baxter, Samuel Baxter

3:00 PM

5:40 PM

Topical talks: Part 4

Session | **Location:** APC Paris | **Convener:** Sandra Kortner

5:40 – 5:55 PM

Mapping the SMEFT one-loop structure of linear Standard Model extensions

Speaker
John Gargalionis

5:55 – 6:07 PM

Top-quark pair production and anomalous Higgs interactions

Speaker
Simone Tentori

6:07 PM

Wed, September 25

2:38 PM

Topical talks: Part 5

Session | **Location:** APC Paris | **Convener:** Rosy Nikolaidou

2:38 – 2:53 PM

Higgs physics at FCC-ee

Speaker
Louis Portales

2:53 – 3:05 PM

Multi-Higgs Production in the BSM: Implications for Electroweak Phase Transitions and Future Collider Prospects

Speaker
Wrishik Naskar

3:05 – 3:20 PM

Next-to-Leading Order Unitarity Fits in the (Extended) Georgi-Machacek Model

Speaker
Poulami Mondal

3:20 PM