

Session Program

26-30 Oct 2026



Higgs 2026

Single Higgs

UCLouvain, Science auditorium
Place des sciences 1348 Louvain-la-Neuve Belgium

Tuesday 27 October

09:00

Single Higgs

Session | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

09:00–09:20 **Cross section measurements at CMS, bosonic channels (15+5)**

Speaker

Clara Ramon Alvarez

09:20–09:40

Higgs Boson Production Cross-Section Measurements in ATLAS (15+5)

Speaker

Hao Pang

09:40–10:00 **Cross section measurements at CMS, fermionic channels (15+5)**

Speaker

Beatriz Ribeiro Lopes

10:00–10:20

The emerging importance of high energy logarithms for LHC studies (15+5)

Speaker

Sebastian Eryk Jaskiewicz

10:20–10:40

Precision Resummation for Higgs and Electroweak Boson Production from HL-LHC to FCC

Speaker

Dr Francesco Giovanni Celiberto

10:40

11:10

Single Higgs

Session | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

11:10–11:30 **Higgs physics with tau leptons (15+5)**

Speaker

Dr Anne-Catherine Le Bihan

11:30–11:50

The Higgs boson through the lens of electroweak precision data (15+5)

Speaker

Finn Jonathan Labe

11:50–12:10

Study of quantum entanglement and polarization dependent anomalous coupling in Higgs boson production and decay with ATLAS (15+5)

Speakers

Martina Javurkova, Martina Javurkova

12:30

12:10-12:30

Normalising-Flow-Based Tau Spin Reconstruction for Higgs CPV Measurements and Quantum Entanglement Tests (15+5)**Speaker**

Daniel Winterbottom

14:00

Single Higgs**Session** | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

14:00-14:20

Measurements of Higgs boson mass and width in ATLAS (15+5)**Speaker**

Martino Tanasini

14:20-14:40

Measurements of the Higgs boson mass and width at CMS (15+5)**Speaker**

Filippo Errico

14:40-15:00

Combined measurement of Higgs boson couplings and EFT interpretations from ATLAS (15+5)**Speaker**

Serhat Ordek

15:00-15:20

Higgs property measurements at CMS (15+5)**Speaker**

Daniel Winterbottom

15:40

16:10

Single Higgs**Session** | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

16:10-16:30

CP Properties of Higgs Couplings to Vector Bosons (HVV) in ATLAS (15+5)**Speakers**

Rahul Balasubramanian, Rahul Balasubramanian

16:30-16:50

Analysis of the CP structure of the Yukawa coupling between the Higgs boson and tau leptons in proton-proton collisions at $\sqrt{s} = 13.6$ TeV (15+5)**Speaker**

Jacopo Malvaso

16:50-17:10

CP Properties of Higgs Couplings to Fermions in ATLAS (15+5)

17:10-17:30

Quantum observables and quantum tomography for Higgs decay to four leptons (15+5)**Speaker**

Morgan Del Gratta

17:30

Wednesday 28 October

09:00

Single Higgs

Session | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

09:00–09:20

Resonance-aware NLOPS matching for off-shell $t\bar{t} + tW$ production in association with a Higgs boson (15+5)

Speaker

Patrick Hurley

09:20–09:40

Constraints on Higgs-charm couplings at CMS (15+5)

Speaker

Chirayu Gupta

09:40–10:00

Simulations and flavour-scheme studies for Higgs-boson production in association with charm quarks (15+5)

Speaker

Mr Tiziano Bevilacqua

10:00–10:20

Precise predictions for bbH production (15+5)

Speaker

Alessandro Gavardi

10:20–10:40

Boosted Higgs Topologies in ATLAS (15+5)

Speaker

Samuel Roberts

10:40

Thursday 29 October

09:00

Single Higgs

Session | **Location:** UCLouvain, Science auditorium, Place des sciences 1348 Louvain-la-Neuve Belgium

09:00–09:20

Searches for rare Higgs boson processes with the CMS detector (15+5)

Speaker

Jas Bierkens

09:20–09:40

Search for rare Higgs boson productions and decays in ATLAS (15+5)

Speaker

Hui-Chi Lin

09:40–10:00

Search for the Rare Higgs Boson Decay $H \rightarrow Z\gamma$ with Run 2 and Early Run 3 CMS Data (15+5)

Speaker

Jiehan He

10:00–10:20

N3LO QCD predictions for boosted Higgs-strahlung off a W boson at the LHC (15+5)

Speaker

Federico Silveti

10:40