

Session Program

26-30 Oct 2026



Higgs 2026

Plenary

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

Monday 26 October

14:00

Plenary: Plenary

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

14:00–14:30 **Welcome**

14:30–15:00 **State of the art of precision Higgs calculation**

Speaker

Fabrizio Arturo Caola

15:00–15:30 **ATLAS Higgs Highlights**

15:30–16:00 **CMS Higgs highlights**

16:00

16:30

Plenary

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16:30–17:00 **Frontier amplitude computations for Higgs physics**

Speaker

Ben Page

17:00–17:30 **Machine learning advances and Higgs physics applications**

Speaker

Ramon Winterhalder

17:30–18:00 **Experimental methods at ATLAS**

18:00–18:30 **Experimental methods at CMS**

18:30

Wednesday 28 October

14:00

Plenary

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

14:00–14:30

Precision Higgs measurements at ATLAS and CMS (mass, width, CP, off-shell)

14:30–15:00

Inclusive and differential Higgs cross sections at ATLAS and CMS (incl. STXS)

15:00–15:30

Monte Carlo for Higgs production and backgrounds

Speaker

Melissa Corona van Beekveld

15:30–16:00

aN³LO PDFs and Higgs predictions for the HL-LHC

Speaker

Emanuele Roberto Nocera

16:00

16:30

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16:30–17:00

Rare Higgs production at ATLAS and CMS (incl. tH, H+c)

17:00–17:30

Rare Higgs decays at ATLAS and CMS (incl. $\mu\mu$, $Z\gamma$, cc)

17:30–18:00

ATLAS joker talk

18:00–18:30

CMS joker talk

18:30

Thursday 29 October

14:00

Plenary

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

14:00–14:30 **Effective field theory in the Higgs sector**

Speakers

Eleni Vryonidou, Eleni Vryonidou, Eleni Vryonidou, Eleni Vryonidou

14:30–15:00 **Global EFT interpretations at ATLAS and CMS**

15:00–15:30 **Precision prediction for di-Higgs production in the SM and beyond**

Speaker

Gudrun Heinrich

15:30–16:00

Higgs pair production at ATLAS and CMS (incl. non-resonant, resonant, multi-Higgs)

16:00

16:30

Plenary

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16:30–17:00 **Scalars, phase transitions, and gravitational waves**

Speakers

Alberto MARIOTTI, Alberto Mariotti, Alberto Mariotti

17:00–17:30 **Scalars and dark sectors**

Speakers

THOMAS HAMBYE, Thomas HAMBYE, Thomas Hambye, Thomas Hambye, Thomas Hambye

17:30–18:00 **Higgs and flavour**

Speaker

Joe Davighi

18:00–18:30 **Higgs and scalar BSM interpretations at LHCb**

Speaker

Lorenzo Sestini

19:00

Friday 30 October

09:00

Plenary

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

09:00–09:30 **Quantum observables in Higgs physics**

Speaker

Prof. Fabio Maltoni

09:30–10:00 **Extended scalar sectors and composite Higgs model building**

Speakers

Stefania De Curtis, Stefania De Curtis

10:00–10:30 **Low-mass new scalars and exotic Higgs decays at ATLAS and CMS**

10:30–11:00

High-mass new scalars at the LHC, with and without a Higgs in the final state

11:00

11:30

Plenary

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11:30–12:00

Higgs physics at future e^+e^- colliders after the 2026 European Strategy

12:00–12:30 **Precision Higgs physics at future colliders**

Speaker

Aude Gehrmann-De Ridder

12:30–13:00 **BSM Higgs physics physics at future colliders**

Speakers

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13:00–13:30 **Closing**

13:30