

Session Program

7-10 Apr 2026

Standard Model at the LHC 2026

Higgs boson physics

Campus Luigi Einaudi, Torino, Italy, B1
Lungo Dora Siena 100

Wednesday 8 April

09:00

Higgs boson physics

Session | **Location:** Campus Luigi Einaudi, Torino, Italy, B1, Lungo Dora Siena 100 | **Conveners:** Stefano Manzoni, Emanuele Di Marco, Gudrun Heinrich

09:00–09:25

Quark mass effects in single Higgs production

Speaker

Marco Niggetietd

09:25–09:50

New higher order correction to HH production

Speaker

Stephen Jones

09:50–10:15

Mapping the Higgs Potential with ATLAS and CMS: Latest Non-Resonant Run3 HH Results and combinations, Single-H Constraints, HHH Searches, and HL-LHC Projections. Experimental

Speaker

Cedrine Alexandra Hugli

10:15–10:30

ESR talk: Higgs Boson plus Quark Pair Production at High Energies

Speaker

Giacomo Ruisi

10:30–10:45

ESR talk: Search for rare radiative decays of the Higgs boson with the CMS experiment

Speakers

Edoardo Ferrando, Edoardo Ferrando

10:45

Thursday 9 April

11:00

Higgs boson physics: Higgs boson Yukawa and Quantum properties

Session | **Location:** Campus Luigi Einaudi, Torino, Italy, B1, Lungo Dora Siena 100 | **Conveners:**
Gudrun Heinrich, Emanuele Di Marco, Stefano Manzoni

11:00-11:25 **Constraining light Yukawa couplings**

Speaker

Patrick Meade

11:25-11:50

Higgs decays to Heavy Flavor: $H \rightarrow bb$, $H \rightarrow cc$, $H \rightarrow b/c$, bbH and Heavy-Flavor Tagging.

Speaker

Angela Zaza

11:50-12:15 **Higgs boson quantum tomography**

Speaker

Davide Pagani

12:15