

Session Program

30 March 2025 to 6 April 2025

**59th Rencontres de Moriond 2025: QCD &
High Energy Interactions**

Higgs

Monday 31 March

08:30

Higgs: Morning

Session | **Location:** Hotel Planibel, La Thuile, Italy | **Convener:** Boaz Klima

08:30–08:35

Welcome

Speaker

Etienne Auge

08:35–08:40

History of Moriond

Speaker

Bolek Pietrzyk

08:45–09:05

LHC status

Speaker

Matteo Solfaroli Camillocci

09:10–09:25

Higgs cross-section at CMS and ATLAS

Speaker

Jonathon Mark Langford

09:30–09:45

Higgs properties at CMS and ATLAS

Speaker

Fabio Monti

09:50–10:05

Higgs couplings and flavour violation

Speaker

Sudhir Vempati

10:10–10:30

Coffee break

10:30–10:45

Probing CP-violation in the Higgs sector through SMEFT

Speaker

Eleni Vryonidou

10:50–11:05

Di-Higgs at ATLAS and CMS

Speaker

Edson Carquin Lopez

11:10–11:25

The structure of quark mass corrections in the $gg \rightarrow HH$ amplitude at high-energy

Speaker

Sebastian Jaskiewicz

11:30–11:45

Rare and exotic Higgs decays at ATLAS and CMS

Speaker

Shuo Han

11:50–12:05

Probing anomalous Higgs boson couplings in Higgs plus jet production at NLO QCD with full m_T -dependence**Speaker**

Matthias Kerner

12:05

17:00

Higgs: Afternoon**Session** | **Location:** Hotel Planibel, La Thuile, Italy | **Convener:** Andreas Meyer

17:00–17:15

Very rare decays of the Higgs boson**Speaker**

David d'Enterria

17:20–17:35

New ATLAS results on H to boson-pair decays**Speaker**

Sully Billingsley

17:40–17:55

Novel reconstruction techniques in search for exotic Higgs boson decays into Lorentz-boosted light bosons in the four- τ final state at ATLAS**Speaker**

Hao Zeng

18:00