

Session Program

4-6 Dec 2024

**The 21st Workshop of the LHC Higgs Working
Group**

WG4 parallel session

Thursday 5 December

09:30

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Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:**
Arantxa Ruiz Martinez, Milada Margarete Muehleitner

09:30–09:40 **Introduction**

Speakers

Arantxa Ruiz Martinez, Fabio Monti, Ludovic Michel Scyboz, Milada Margarete Muehleitner, Stefano Manzoni

09:40–10:00 **Triple Higgs searches in ATLAS**

Speaker

William Balunas

10:00–10:30 **Overview of triple Higgs theory**

Speaker

Tania Natalie Robens

10:30–10:50 **Multi-Higgs Production and the Electroweak Phase Transition**

Speaker

Osama Karkout

10:50–11:10

Effect of anomalous HHH and ZZHH couplings on the decay width of $H \rightarrow 4l$ [remote]

Speaker

Biswajit Das

11:10–11:30

Double Higgs production in vector boson fusion at NLO QCD with anomalous couplings

Speaker

Jens Braun

11:30–11:50 **Multi-Higgs production from VBS in HEFT (15'+5')**

Speaker

Javier Martínez Martín

12:00