

Session Program

1-3 Dec 2021

**The 18th Workshop of the LHC Higgs Working
Group**

Thursday afternoon 2

Virtual

Thursday 2 December

16:00

Thursday afternoon 2: HH-cross group

Session | **Location:** CERN, 222/R-001 | **Conveners:**

Nan Lu, Javier Mazzitelli, Ramona Groeber, Margarete Mühlleitner, Luca Cadamuro, Elizabeth Brost

16:00–16:05 **Introduction**

16:05–16:35 **Experimental Overview**

Speaker

Alessandra Betti

16:35–16:55 **Resonant Benchmarks for Spin-0 HH, SH and SS**

Speaker

Duarte Azevedo

16:55–17:15 **Effective Field Theory for Higgs Pair Production**

Speaker

Ramona Groeber

17:15–17:55 **Contributed Lightning Talks**

Subcontributions

Higgs Boson Pair Production at NNLO in the Large-Mt Expansion

Speaker

Florian Herren

Higgs Pair Production at Approximate NNLO QCD with Anomalous Couplings

Speaker

Ludovic Scyboz

Machine Learning Augmented Probes of Light Yukawa Couplings from Higgs Pair Production

Speaker

Ayan Paul

Multiscalar Final States in the TRSM

Speaker

Gilberto Tetlalmatzi-Xolocotzi

18:00

18:00

Thursday afternoon 2: Discussion on HH topics

Session | **Location:** CERN, 222/R-001

18:30

18:30

Thursday afternoon 2: Q&A in individual speakers' breakout rooms of the main zoom room

Session | **Location:** CERN, 222/R-001

19:00