

Session Program

29 September 2025 to 1 October 2025



HHH workshop
Dubrovnik / Croatia
29th Sept. - 1st Oct. 2025

Organising committee
Vuko Brigljević, Ruder Bošković Institute
Dinko Ferenčak, Ruder Bošković Institute
Greg Landsberg, Brown University
Tania Robens, Ruder Bošković Institute
Marko Stamenkovic, Brown University
Tatjana Šuša, Ruder Bošković Institute

<https://indico.cern.ch/e/hhh2025>

HHH workshop

Theory session

Dubrovnik

Monday 29 September

16:30

Theory session

Session | **Location:** Dubrovnik | **Convener:** Prasenjit Sanyal

16:30–17:00 **An analytic result for the $0 \rightarrow g g H H H$ $0 \rightarrow ggHHH$ amplitude**

Speaker

Giuseppe De Laurentis

17:00–17:30 **Reinterpreting the ATLAS HHH search in CheckMATE and Rivet**

Speaker

Krzysztof Rolbiecki

17:30–18:00 **Multi-Higgs production as probes of HEFT interactions**

Speaker

Anisha .

18:00–18:30 **Electroweak Symmetry Restoration at High Energies**

Speaker

Tao Han

18:30

Tuesday 30 September

11:30

12:00

Theory session

Session | **Location:** Dubrovnik | **Convener:** Tania Robens

11:30–12:00

A new probe of the quartic Higgs self-coupling

Speaker

Giulia Zanderighi

Wednesday 1 October

09:00

Theory session

Session | **Location:** Dubrovnik | **Convener:** Krzysztof Rolbiecki

09:00–09:30

Connecting Multi-Higgs production and the Electroweak Phase Transition

Speaker

Osama Karkout

09:30–10:00

Triple Higgs production in a 100 TeV collider

Speaker

Gilberto Tetlalmatzi-Xolocotzi

10:00–10:30

TRSM Light Scalars in the Spotlight of the LHC

Speaker

Mohamed Ouchemhou

10:30–11:00

Deciphering the CP nature of the 95 GeV Higgs boson

Speakers

Prasenjit Sanyal, Prasenjit Sanyal

11:00

11:30

Theory session

Session | **Location:** Dubrovnik | **Convener:** Tania Robens

11:30–12:00

Detecting P-even CP violation at future colliders in the production of multiple Higgs bosons of extended Higgs sectors

Speaker

Howard Haber

12:00