

Session Program

25 November 2019 to 6 December 2019

Ultimate Precision at Hadron Colliders

Higgs and High Energy Probes

Monday 2 December

09:00

Higgs and High Energy Probes: Main couplings

Session | Location: | Conveners: Massimiliano Grazzini, Giovanni Petrucciani, Lucia Di Ciaccio

09:00–09:30 **Theory vision : PDFs**

Speaker
Maria Ubiali

09:30–09:45 **Discussion**

09:45–10:30 **Theory vision : discussion on perturbative calculations**

10:30–11:00 **Theory vision : backgrounds**

Speakers
Stefano Augusto Pozzorini, Stefano Pozzorini

11:00–11:15 **Discussion**

11:15–11:35 **Workshop objectives**

Speaker
Maarten Boonekamp

11:35–12:05 **Experimental vision**

Speaker
Andrew Gilbert

12:05–12:20 **Discussion**

12:25

14:00

Higgs and High Energy Probes: Trilinear couplings

Session | Location:

14:00–14:30 **Experimental vision**

Speaker
Elisabeth Petit

14:30–14:45 **Discussion**

14:45

14:45

Higgs and High Energy Probes: Higgs and Flavor

Session | Location:

14:45–15:15 **Higgs and Flavour: brief experimental overview and expectations**

Speaker
Jean-Baptiste De Vivie De Regie

15:15–15:30 **Discussion**

15:30

16:00

Higgs and High Energy Probes: Beyond benchmarks

Session | Location:

16:00–16:30 **Beyond the benchmarks: off-shell Higgs production**

Speakers

Nikolas Kauer, Nikolas Kauer

17:30

16:30–16:45 **Discussion**

17:30

Higgs and High Energy Probes: High energy probes

Session | Location:

17:30–17:55 **High-mass Drell-Yan measurements**

Speaker

Aram Apyan

18:05

17:55–18:05 **Discussion**

Tuesday 3 December

09:00	<p>Higgs and High Energy Probes: Trilinear couplings Session Location:</p> <p>09:00–09:30 Role in global interpretation Speaker Christophe Grojean</p> <p>09:30–09:45 Discussion</p>
09:45	<p>Higgs and High Energy Probes: VBS and polarization Session Location: Conveners: Massimiliano Grazzini, Lucia Di Ciaccio, Giovanni Petrucciani</p> <p>09:45–10:15 VBS and VBF measurements at the HL/HE-LHC Speaker Corinne Goy</p> <p>10:15–10:30 Discussion</p>
10:30	
11:00	<p>Higgs and High Energy Probes: High-energy probes Session Location:</p> <p>11:00–11:30 VBS calculations for the HL/HE-LHC Speakers Christopher Schwan, Christopher Schwan</p> <p>11:30–11:45 Discussion</p> <p>11:45–12:10 Diboson/triboson measurements Speaker Philip Sommer</p> <p>12:10–12:20 Discussion</p> <p>12:20–12:45 Diboson/triboson production : QCD and EWK corrections Speakers Jonas Lindert, Jonas Lindert, Jonas Lindert</p> <p>12:45–12:55 Discussion</p>
13:00	
14:00	<p>Higgs and High Energy Probes: Discussions Session Location: Conveners: Massimiliano Grazzini, Giovanni Petrucciani, Lucia Di Ciaccio</p> <p>14:00–14:30 Ancillary measurements wishlist</p> <p>14:30–15:00 Calculations wishlist</p>

17:00

15:00-15:30 **Wrap up of sessions**

15:30-16:00 **Write-up**