

Session Program

12-13 Jun 2014

**The 8th Workshop of the LHC Higgs Cross
Section Working Group**

WG1: Higgs XS&BR

CERN, 222/R-001

Thursday 12 June

14:00

WG1: Higgs XS&BR

Session | Location: CERN, 222/R-001 | Convener: WG1 Conveners

14:00-14:25 Experimental Needs on Higgs XS, BR, (N)NLO MC, Jets and PDF

Speakers

Bruce Mellado, Pasquale Musella, Reisaburo Tanaka

14:25-15:10 ggF

Subcontributions

The gluon fusion Higgs cross-section in N3LO QCD at threshold.

Speaker

Franz Herzog

ggH at N3LO (approximately)

Speaker

Richard Ball

Constraints on the Higgs N3LO cross section from the physical kernel

Speaker

Javier Mazzitelli

15:10-15:40 VBF and VH

Subcontributions

Recent theory progress

Speaker

Giancarlo Ferrera

VBF Higgs production and VBS

Speaker

Dieter Zeppenfeld

15:40-16:25 Off-shell Effects, Width and Interference

Subcontributions

Width determination from VBF

Speaker

Roberto Covarelli

Off-shell coupling measurements**Speaker**

Christoph Englert

Bounding the Higgs width***Speaker**

John Campbell

16:25-16:45 Coffee/Tea Break**16:45-17:15 ttH****Subcontributions****ttH signal****Speaker**

Maria Vittoria Garzelli

ttbar + HF/V + jets backgrounds**Speaker**

Stefano Pozzorini

Discussion**17:15-17:30 HH Production****Subcontributions****Higgs pair production at NNLO****Speaker**

Daniel De Florian

17:30-17:45 Higgs Decay**Subcontributions****Updates of Higgs branching ratios****Speaker**

Alexander Mück

17:45-18:00 Monte Carlo**Subcontributions****NNLOPS****Speaker**

Giulia Zanderighi

18:00-18:15 **PDF**

Subcontributions

News from PDF

Speaker

Robert Thorne

18:15-18:35 **General Discussion on Higgs XS&BR**

Subcontributions

Discussions on Physics and Organization (subgroup structure)

18:35