

Session Program

2-5 May 2017

**ATLAS-CMS Monte Carlo Generators
Workshop**

Use of MC for SM processes

CERN, 222/R-001

Wednesday 3 May

09:00

Use of MC for SM processes: Single and multi boson production (experiments)

Session | Location: CERN, 222/R-001

09:00–09:30 Perspectives on vector-boson + jets physics (ATLAS+CMS)

Speaker

Mariarosaria D'Alfonso

09:40–10:10 Perspectives on multi-boson + jets physics (ATLAS+CMS)

Speakers

ATLAS, Christian Gutschow

10:20–10:50 Perspectives on SM Higgs physics (ATLAS+CMS)

Speaker

David Sperka

11:00

11:30

Use of MC for SM processes: Single and multi boson production (theory)

Session | Location: CERN, 222/R-001

11:30–12:00 Status and prospects for NNLO+PS in POWHEG

Speaker

Keith Hamilton

12:00–12:30

Status and prospects for NNLO+PS and higher order EW corrections in Sherpa

Speaker

Marek Schoenherr

12:30–13:00 VV production at NNLO

Speaker

Marius Wiesemann

13:00

14:45

Use of MC for SM processes: Top production

Session | Location: CERN, 222/R-001

14:45–15:25

Experimental perspectives and mis-modelling in top physics (ATLAS+CMS)

Speakers

James Howarth, James William Howarth

15:30–16:00 Discussion

16:00

16:30

Use of MC for SM processes: $t\bar{t}b\bar{b}+X$ production ($X=V,H,b\bar{b},\dots$)

Session | Location: CERN, 222/R-001

16:30–17:00 Experimental perspectives on $t\bar{t}b\bar{b}+X$ physics (ATLAS+CMS)

Speaker

Maria Moreno Llacer

17:10–17:40

Theory perspectives on $t\bar{t}$ physics

Speaker

Laura Reina

18:30