

Session Program

20-22 Jul 2026

COMETA workshop on precise event simulations for multiboson processes

Talks

University of Sussex, Jubilee JUB-144

Monday 20 July

11:00

Talks

Session | **Location:** University of Sussex , JUB-144**11:00–11:15** **Welcome****11:15–11:55**

Multi-lepton signatures in ATLAS: BSM searches and systematic uncertainties

Speaker

Antonella De Santo

12:30

13:30

Talks

Session | **Location:** University of Sussex , JUB-144**13:30–14:10**

Status of MATRIX and precision predictions for multi-bosons processes

Speaker

Paolo Garbarino

14:10–14:50 **Whizard for multiboson physics****Speaker**

Krzysztof Mekala

14:50

15:20

Talks

Session | **Location:** University of Sussex , JUB-144**15:20–16:00** **NNLO + PS predictions for diboson processes****Speaker**

Alessandro Gavardi

16:35

16:00–16:30 **Discussion**

Tuesday 21 July

09:30

Talks

Session | **Location:** University of Sussex , JUB-144

09:30–10:10

Logarithmic EW corrections at two-loop

Speaker

Lorenzo Mai

10:10–10:50

Electroweak corrections for multiboson processes in the SMEFT

Speakers

Hesham El Faham, Hesham El Faham

10:50

11:20

Talks

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11:20–12:00

Ensuring validity in $W+W^-$; dimension-8, energy proxies and the jet-veto

Speaker

Daniel Gillies

12:35

12:35

Talks

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13:30–14:10

PDFs for the HL-LHC

Speakers

Dr Lucian Alexander Harland-Lang, Lucian Harland-Lang

14:10–14:50

Status and prospect for VBS precision predictions

Speakers

Robert Franken, Robert Franken

14:50

15:20

Talks

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15:20–16:00

CP violation in multiboson processes: status and prospects

Speaker

Andrew Pilkington

16:00–16:40

Precision predictions for polarised processes

Speaker

Daniele Lombardi

16:40–17:20

Simulation of Polarised Multiboson Processes in Sherpa

Speaker

Diana Mareen Hoppe

17:50

17:20-17:50

Discussion

Wednesday 22 July

09:45

Talks

Session | **Location:** University of Sussex , JUB-144

09:45–10:25 **Next to soft threshold resummation for VH production**

Speaker

Dr Arunima Bhattacharya

10:25–11:05 **Gauge Cancellations in Polarized Single- and Multiboson Production**

Speaker

Richard Ruiz

11:05–11:25 **Discussion**

11:25