

Session Program

25-29 Mar 2024

**CMS Topical Workshop on Off-shell Higgs
Boson Production at the LPC**

Tutorials

Fermilab, Wilson Hall, Sunrise (WH11NE)

Monday 25 March

10:15

Tutorials: Monday morning sessions

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

10:15-11:15 **MC generators - 1: POWHEG**

Speaker
Meng Lu

11:15-11:20 **Stretch break**

11:20-12:20 **Statistics overview**

Speaker
Susan J Dittmer

12:20

15:35

Tutorials: Monday afternoon session

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

15:35-16:35 **MC generators - 2: MELA tools**

Speakers
Mohit Vir Srivastav, Ulaskan Sarica

16:35

Tuesday 26 March

09:00

Tutorials: Tuesday morning sessions

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

09:00–10:00 **Higgs Combine tool**

Speaker
Susan J Dittmer

10:00–10:10 **Coffee break**

10:10–11:10 **MC generators - 1: Sherpa**

Speaker
Meng Lu

11:10–11:15 **Stretch break**

11:15–12:15 **MC generators - 1: HERWIG**

Speakers
Dominic Stafford, Dominic William Stafford, Meng Lu

12:15

14:00

Tutorials: Tuesday afternoon session

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

14:00–14:05 **Stretch break**

14:05–15:05 **Machine learning**

Speaker
John Rotter

15:05

Wednesday 27 March

13:30

Tutorials: Wednesday afternoon sessions

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

13:30–14:45 **Advanced programming and scientific computing**

Speaker

Ulascan Sarica

14:45–15:00 **Coffee break**

15:00–16:00 **Machine learning**

Speaker

John Rotter

16:00

Thursday 28 March

10:00

Tutorials: Thursday morning sessions

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

10:00–11:00 **Off-shell modeling with Higgs Combine**

Speakers

Susan J Dittmer, Ulascal Sarica

11:00–11:05 **Stretch break**

11:05–12:05 **MC generators - 2: JHUGen & MCFM off-shell processes**

Speakers

Jeffrey Davis, Ulascal Sarica

12:05

Friday 29 March

09:00

Tutorials: Friday morning sessions

Session | **Location:** Fermilab, Wilson Hall, Sunrise (WH11NE)

09:00–10:15 **Advanced programming and scientific computing**

Speaker
Ulascan Sarica

10:15–10:25 **Coffee break**

10:25–11:25 **Machine learning**

Speaker
John Rotter

11:25