

Session Program

Jul 9 - 11, 2025



MC4EIC 2025

MCEGs

CEBAF Center, F113

Wed, July 9

1:00 PM

MCEGs: Event generators for colliders

Session | **Location:** CEBAF Center, F113

13:00 – 13:10 **Welcome**

13:10 – 13:40 **Event Generators Overview and MC4EIC Recap**

Speaker

Ilkka Helenius

13:40 – 13:50 **Discussion**

13:50 – 14:20 **Physics Requirements for MCEGs at the EIC**

Speaker

Brian Page

14:20 – 14:30 **Discussion**

14:30 – 14:50 **Herwig**

Speaker

Dr Aidin Masouminia

14:50 – 15:00 **Discussion**

3:00 PM

3:30 PM

MCEGs: Event generators for colliders

Session | **Location:** CEBAF Center, F113

15:30 – 15:50 **Pythia**

Speaker

Ilkka Helenius

15:50 – 16:00 **Discussion**

16:00 – 16:20 **Sherpa**

Speaker

Max Knobbe

16:20 – 16:30 **Discussion**

16:30 – 16:50 **Rivet and the Broader Validation Ecosystem**

Speaker

Christian Gutschow

16:50 – 17:20 **Datasets for Validating MCEGs**

6:00 PM

Thu, July 10

1:00 PM

MCEGs: Specialized MCEGs and QED Effects

Session | **Location:** CEBAF Center, F113

13:00 – 13:30

Dijet Photoproduction in POWHEG-Box

Speaker

Alexander Feike

13:30 – 13:45

Discussion

13:45 – 14:05

QED Effects with Parton Showers: Developments in Sherpa

Speaker

Daniel Reichelt

14:05 – 14:35

Discussion

3:00 PM