

**MC4EIC**

# **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Fitting PDFs with the Toolchain

*Wednesday, 5 June 2024 15:40 (20 minutes)*

**Presenter:** NARENDRAN, Vithyaban Anjelo (Oxford)

**Session Classification:** Software Environment

Contribution ID: 2

Type: **not specified**

## Heavy-ion modelling with Angantyr

*Thursday, 6 June 2024 16:30 (30 minutes)*

**Presenter:** LÖNNBLAD, Leif (Lund University)

**Session Classification:** Heavy Ions

Contribution ID: 3

Type: **not specified**

## **Powheg for DIS**

**Presenter:** BANFI, Andrea (University of Sussex)

**Session Classification:** Heavy Ions

Contribution ID: 4

Type: **not specified**

# The TMD Parton Branching & Cascade: Monte Carlo based on TMDs

*Friday, 7 June 2024 09:30 (1h 10m)*

**Presenter:** LELEK, Aleksandra (University of Antwerp)

**Session Classification:** TMD's and Beyond

Contribution ID: 5

Type: **not specified**

## **Multi-jet merging for DIS in Pythia**

**Session Classification:** TMD's and Beyond

Contribution ID: 6

Type: **not specified**

# MC modelling for photoproduction

*Thursday, 6 June 2024 15:00 (30 minutes)*

**Presenter:** HELENIUS, Ilkka (University of Jyväskylä)

**Session Classification:** Inclusive QCD

Contribution ID: 7

Type: **not specified**

## **Diffraction processes**

*Thursday, 6 June 2024 15:30 (30 minutes)*

**Presenter:** MEINZINGER, Peter (IPPP)

**Session Classification:** Inclusive QCD



Contribution ID: 8

Type: **not specified**

## Herwig

*Thursday, 6 June 2024 10:30 (30 minutes)*

**Presenter:** MASOUMINIA, Aidin (IPPP, Durham)

**Session Classification:** Inclusive QCD

Contribution ID: 9

Type: **not specified**

## Pythia

*Thursday, 6 June 2024 11:30 (30 minutes)*

**Presenter:** HELENIUS, Ilkka (University of Jyväskylä)

**Session Classification:** Inclusive QCD

Contribution ID: **10**

Type: **not specified**

## Sherpa

*Thursday, 6 June 2024 12:00 (30 minutes)*

**Presenter:** KRAUSS, frank (ippd durham)

**Session Classification:** Inclusive QCD

Contribution ID: 11

Type: **not specified**

## Jon's talk

*Wednesday, 5 June 2024 16:30 (40 minutes)*

**Presenter:** BUTTERWORTH, Jonathan (UCL)

**Session Classification:** Software Environment

Contribution ID: 12

Type: **not specified**

## **Inclusive QCD: Experimental overview**

*Thursday, 6 June 2024 09:30 (1 hour)*

**Presenter:** NEWMAN, Paul (The University of Birmingham)

**Session Classification:** Inclusive QCD

Contribution ID: 13

Type: **not specified**

## **Inclusive QCD: Jets and Flavour**

*Thursday, 6 June 2024 14:00 (1 hour)*

**Session Classification:** Inclusive QCD

Contribution ID: 14

Type: **not specified**

## **Powheg for DIS**

*Thursday, 6 June 2024 17:00 (30 minutes)*

**Presenter:** BANFI, Andrea (University of Sussex)

**Session Classification:** Inclusive QCD

Contribution ID: 15

Type: **not specified**

## Multijet merging in DIS with Pythia

*Friday, 7 June 2024 10:40 (20 minutes)*

**Session Classification:** Inclusive QCD



Contribution ID: 16

Type: **not specified**

## **kT factorization at NLO**

*Friday, 7 June 2024 11:30 (1 hour)*

**Presenter:** VAN HAMEREN, Andreas (IFJ PAN, Krakow)

**Session Classification:** TMD's and Beyond

Contribution ID: 17

Type: **not specified**

## **Extensions of MadGraph5\_aMC@NLO for QCD studies**

*Friday, 7 June 2024 12:30 (30 minutes)*

**Presenter:** FLETT, Chris (The University of Liverpool)

**Session Classification:** TMD's and Beyond

Contribution ID: **18**

Type: **not specified**

## **EPIC software**

*Wednesday, 5 June 2024 14:00 (1 hour)*

**Presenter:** DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** Software Environment