

# **MCEGs for future ep and eA facilities**



## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## QED corrections for electron scattering

*Wednesday, 20 February 2019 16:00 (30 minutes)*

**Presenter:** Prof. SPIESBERGER, Hubert (Johannes Gutenberg- Universität Mainz)

**Session Classification:** General-Purpose MCEG

Contribution ID: 1

Type: **not specified**

## **TMDs from Parton Branching**

*Thursday, 21 February 2019 09:00 (30 minutes)*

**Presenter:** Dr HAUTMANN, Francesco

**Session Classification:** TMDs and MCEGs

Contribution ID: 2

Type: **not specified**

## **nTMD using PB method**

*Thursday, 21 February 2019 09:30 (30 minutes)*

**Presenter:** Prof. KUTAK, Krzysztof (Institute of Nuclear Physics Polish Academy of Sciences)

**Session Classification:** TMDs and MCEGs

Contribution ID: 3

Type: **not specified**

## Updates for KaTie

*Thursday, 21 February 2019 10:00 (30 minutes)*

**Presenter:** Dr VAN HAMEREN, Andreas (Institute of Nuclear Physics Polish Academy of Sciences)

**Session Classification:** TMDs and MCEGs

Contribution ID: 4

Type: **not specified**

## **TMD and parton shower: CASCADE-3**

*Thursday, 21 February 2019 11:00 (30 minutes)*

**Presenter:** Dr JUNG, Hannes (DESY)

**Session Classification:** TMDs and MCEGs

Contribution ID: 5

Type: **not specified**

## **Combined QED + QCD approach to SiDIS**

**Presenter:** AFANASEV, Andrei

Contribution ID: 6

Type: **not specified**

## **Semi-analytic vs. Monte-Carlo Approaches for QED Corrections to SIDIS**

*Wednesday, 20 February 2019 16:30 (30 minutes)*

**Presenter:** Prof. AFANASEV, Andrei (George Washington University)

**Session Classification:** General-Purpose MCEG



Contribution ID: 7

Type: **not specified**

## **Simulation of ep and eA processes in general-purpose MCEG**

*Wednesday, 20 February 2019 14:05 (30 minutes)*

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

**Session Classification:** General-Purpose MCEG

Contribution ID: 8

Type: **not specified**

## **Status of higher-order QCD predictions for DIS**

*Wednesday, 20 February 2019 14:35 (30 minutes)*

**Presenter:** Dr HOECHE, Stefan (SLAC)

**Session Classification:** General-Purpose MCEG

Contribution ID: 9

Type: **not specified**

## Discussion

*Wednesday, 20 February 2019 15:15 (30 minutes)*

**Session Classification:** General-Purpose MCEG

Contribution ID: **10**

Type: **not specified**

## **Status of MG5 aMC@NLO for ep colliders**

*Wednesday, 20 February 2019 15:05 (10 minutes)*

**Presenter:** Dr DIOGO, Buarque Franzosi (Chalmers University of Technology)

**Session Classification:** General-Purpose MCEG

Contribution ID: 11

Type: **not specified**

## Discussion and next steps

*Wednesday, 20 February 2019 17:00 (1 hour)*

**Session Classification:** General-Purpose MCEG

Contribution ID: 12

Type: **not specified**

## **Revisited version of a recursive model for the fragmentation of polarized quarks**

*Thursday, 21 February 2019 11:30 (30 minutes)*

**Presenter:** KERBIZI, Albi (University of Trieste)

**Session Classification:** TMDs and MCEGs

Contribution ID: 13

Type: **not specified**

## **Discussion: TMDs and MCEG**

*Thursday, 21 February 2019 14:00 (1h 30m)*

**Session Classification:** TMDs and MCEGs

Contribution ID: 14

Type: **not specified**

## **Towards event generation for GPD physics with PARTONS**

*Thursday, 21 February 2019 16:00 (30 minutes)*

**Presenter:** Dr MOUTARDE, Herve (IRFU, CEA)

**Session Classification:** GPDs and MCEGs



Contribution ID: 15

Type: **not specified**

## **Discussion: GPDs and MCEGs**

*Thursday, 21 February 2019 17:00 (1 hour)*

**Session Classification:** GPDs and MCEGs

Contribution ID: 16

Type: **not specified**

## **DVCS and exclusive pi0 event generator for JLab fixed-target experiments**

*Thursday, 21 February 2019 16:30 (30 minutes)*

**Presenter:** Dr MUNOZ CAMACHO, Carlos (IPN-Orsay)

**Session Classification:** GPDs and MCEGs

Contribution ID: 17

Type: **not specified**

## **Physics at an EIC: Consequences for MC Generators**

*Friday, 22 February 2019 09:00 (30 minutes)*

**Presenter:** Dr ASCHENAUER, Elke-Caroline (BNL)

**Session Classification:** Requirements

Contribution ID: **18**

Type: **not specified**

## **Jets in eA Collisions: Challenges and Opportunities for MCEGs**

*Friday, 22 February 2019 09:30 (30 minutes)*

**Presenter:** Dr KAUDER, Kolja (BNL)

**Session Classification:** Requirements

Contribution ID: **19**

Type: **not specified**

## **Discussion**

*Friday, 22 February 2019 10:00 (30 minutes)*

**Session Classification:** Requirements

Contribution ID: **20**

Type: **not specified**

## **Intro**

*Wednesday, 20 February 2019 14:00 (5 minutes)*

**Presenter:** Dr JUNG, Hannes (DESY)

**Session Classification:** General-Purpose MCEG