

# **Workshop: Precision QCD Predictions for ep Physics at the EIC (II)**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Collaboration and discussion

Collaboration and discussion

Contribution ID: 2

Type: **not specified**

## **EIC experimental overview**

*Monday, September 18, 2023 10:00 AM (1 hour)*

**Presenter:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory)

Contribution ID: 3

Type: **not specified**

## Extraction of the tensor charge of the nucleon

*Monday, September 18, 2023 11:00 AM (1 hour)*

**Presenters:** PROKUDIN, Alexei (Penn State Berks); PROKUDIN, Alexey (avp5627@psu.edu)

Contribution ID: 4

Type: **not specified**

## **A Monte-Carlo generator results obtained for semi-inclusive deep inelastic scattering with the lowest-order QED radiative corrections**

*Monday, September 18, 2023 3:00 PM (1 hour)*

**Presenter:** SHUO JIA

Contribution ID: 5

Type: **not specified**

## **Progress toward TMD factorization at next to leading power**

*Tuesday, September 19, 2023 3:00 PM (1 hour)*

**Presenter:** GAMBERG, Leonard (Penn State)

Contribution ID: 6

Type: **not specified**

## Can you trust machine learning? PDFs as a case study

*Tuesday, September 19, 2023 10:00 AM (1 hour)*

**Presenter:** FORTE, Stefano (Dipartimento di Fisica, Università di Milano, Italy)

Contribution ID: 7

Type: **not specified**

## **Insights for the PDF4EIC effort from HEP, lattice QCD, and radiology**

*Tuesday, September 19, 2023 11:00 AM (1 hour)*

**Presenters:** NADOLSKY, Pavel (Southern Methodist University); NADOLSKY, Pavel (Southern Methodist University)



Contribution ID: 8

Type: **not specified**

## **Exploring proton's quark/gluon structure at the EIC without breaking it**

*Tuesday, September 19, 2023 2:00 PM (1 hour)*

**Presenters:** QIU, Jianwei (Jefferson Lab); QIU, Jianwei (Brookhaven National Lab)

Contribution ID: 9

Type: **not specified**

## **GUMP program for the GPD global analysis, near forward and beyond**

*Monday, September 18, 2023 4:00 PM (1 hour)*

**Presenter:** GUO, YUXUN

Contribution ID: **10**

Type: **not specified**

## **Fantômas For QCD: exploring parametrization uncertainties for pion and other PDFs**

*Wednesday, September 20, 2023 10:00 AM (1 hour)*

**Presenters:** COURTOY, Aurore (Instituto de Física, UNAM); COURTOY, Aurore (Instituto de Física, UNAM)

Contribution ID: 11

Type: **not specified**

## PDFs at N3LO accuracy

*Wednesday, September 20, 2023 11:00 AM (1 hour)*

**Presenter:** HEKHORN, Felix (Università degli Studi di Milano)

Contribution ID: 12

Type: **not specified**

## EEC at EIC

*Wednesday, September 20, 2023 3:00 PM (1 hour)*

**Presenter:** YUAN, Feng (Lawrence Berkeley National Laboratory)

Contribution ID: 13

Type: **not specified**

## **Imprints of Chiral and Trace Anomalies in GPDs**

*Wednesday, September 20, 2023 4:00 PM (1 hour)*

**Presenters:** BHATTACHARYA, Shohini (BNL); BHATTACHARYA, Shohini (Temple University)

Contribution ID: 14

Type: **not specified**

## **Helicity-constraining measurements from STAR at mid-rapidity**

*Thursday, September 21, 2023 10:00 AM (1 hour)*

**Presenter:** SURROW, Bernd (Temple University)

Contribution ID: 15

Type: **not specified**

## **Towards NNLO helicity PDFs**

*Thursday, September 21, 2023 11:00 AM (1 hour)*

**Presenter:** RODOLFO, Sassot



Contribution ID: 16

Type: **not specified**

## Updates from JAM and beyond

*Thursday, September 21, 2023 2:00 PM (1 hour)*

**Presenter:** SATO, nobuo (Jefferson Lab)

Contribution ID: 17

Type: **not specified**

## **Nuclear PDFs and SRCs**

*Thursday, September 21, 2023 3:00 PM (1 hour)*

**Presenter:** OLNESS, Fredrick (SMU)

Contribution ID: **18**

Type: **not specified**

## Collaborations

*Friday, September 22, 2023 10:00 AM (7 hours)*

**Presenter:** DE FLORIAN, Daniel (member@cern.ch)

Contribution ID: **19**

Type: **not specified**

## Welcome

*Monday, September 18, 2023 9:40 AM (20 minutes)*

**Presenters:** DE FLORIAN, Daniel (member@cern.ch); VOGELSANG, Werner (Tuebingen Univ., Institute for Theoretical Physics)

Contribution ID: **20**

Type: **not specified**

## Update of EIC WishList

*Thursday, September 21, 2023 4:00 PM (1 hour)*

**Presenters:** DE FLORIAN, Daniel (member@cern.ch); VOGELSANG, Werner (Tuebingen Univ., Institute for Theoretical Physics)

Contribution ID: 21

Type: **not specified**

## Conference Dinner (Port Jefferson)

*Tuesday, September 19, 2023 6:30 PM (2h 30m)*