

# **Parton distribution functions at a crossroad**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **From COMPASS to AMBER: "From Proton Spin Crisis to Hadron Mass Puzzle"**

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

**Presenter:** DENISOV, Oleg (Istituto Nazionale di Fisica Nucleare, sezione di Torino)

Contribution ID: 2

Type: **not specified**

## **Emergence of a gluon mass through the Schwinger mechanism**

*Monday, 18 September 2023 11:30 (1 hour)*

**Presenter:** PAPAVASSILIOU, Joannis (University of Valencia)

Contribution ID: 3

Type: **not specified**

## **Emergence of Hadron Mass and Structure**

*Monday, 18 September 2023 14:30 (1 hour)*

**Presenter:** ROBERTS, Craig (Nanjing University)

Contribution ID: 4

Type: **not specified**

## **Updates on Pion Parton Distributions on the Lattice**

**Presenter:** Prof. LIN, Huey-Wen (Michigan State University)

Contribution ID: 5

Type: **not specified**

## **Constraining the pion distribution amplitude using Drell-Yan reactions on a proton**

*Monday, 18 September 2023 16:00 (1 hour)*

**Presenter:** XING, Hui-Yu

Contribution ID: 6

Type: **not specified**

## **Charmonium production: a tool for accessing the gluon distribution in the pion**

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

**Presenter:** PLATCHKOV, Stephane (CEA Saclay)

Contribution ID: 7

Type: **not specified**

## **Drell-Yan and pion distribution functions**

*Tuesday, 19 September 2023 11:30 (1 hour)*

**Presenter:** Dr BINOSI, Daniele (ECT\*)



Contribution ID: 8

Type: **not specified**

## **Pion structure in global analyses: exploring parametrization uncertainties with Fantômas For QCD**

*Tuesday, 19 September 2023 14:30 (1 hour)*

**Presenter:** COURTOY, Aurore (Instituto de Física, UNAM)

Contribution ID: 9

Type: **not specified**

## **Lightfront Wave Functions of the Nucleon**

*Tuesday, 19 September 2023 16:00 (1 hour)*

**Presenter:** MEZRAG, Cédric (Irfu, CEA, Université Paris-Saclay)

Contribution ID: **10**

Type: **not specified**

## **Welcome by the ECT\* Director**

**Presenter:** AARTS, Gert (ECT\* Director)

Contribution ID: 11

Type: **not specified**

# Graviational Form Factors of Nambu Goldstone Bosons

*Tuesday, 19 September 2023 17:00 (1 hour)*

**Presenter:** XU, Yin-Zhen

Contribution ID: 12

Type: **not specified**

## **Pion TMDs at leading and sub-leading twists**

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

**Presenter:** SALME', Giovanni (INFN - Sezione di Roma)

Contribution ID: 13

Type: **not specified**

## **Partonic structure of hadrons in lattice QCD: From single- to multi-parton distributions**

*Wednesday, 20 September 2023 11:30 (1 hour)*

**Presenter:** ZHANG, Jianhui

Contribution ID: 14

Type: **not specified**

## **Unification of Weak and EM form factors of octet baryons**

*Wednesday, 20 September 2023 14:30 (1 hour)*

**Presenter:** YAO, Zhao-qian (ECT\*)

Contribution ID: 15

Type: **not specified**

## **Opportunities for EHM measurements at JLab22+**

*Wednesday, 20 September 2023 16:00 (1 hour)*

**Presenter:** GOTHE, Ralph (University of South Carolina)



Contribution ID: 16

Type: **not specified**

# **New Perspectives for PDFs and the Running Coupling from Color-Confining Holographic LF QCD**

*Wednesday, 20 September 2023 17:00 (1 hour)*

**Presenter:** BRODSKY, Stanley (SLAC National Accelerator Laboratory, Stanford University)

Contribution ID: 17

Type: **not specified**

## **Drell-Yan process at COMPASS as inputs to constrain hadron PDFs**

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

**Presenter:** VINCENT, Andrieux (University of Illinois at Urbana-Champaign)

Contribution ID: **18**

Type: **not specified**

## **Evolution of PDFs: Principle, Practice, and Predictions**

*Thursday, 21 September 2023 11:30 (1 hour)*

**Presenter:** RODRÍGUEZ-QUINTERO, José (University of Huelva)

Contribution ID: 19

Type: **not specified**

## **Lattice signals of the Schwinger mechanism in QCD**

*Thursday, 21 September 2023 14:30 (1 hour)*

**Presenter:** NARCISO FERREIRA, Mauricio

Contribution ID: 20

Type: **not specified**

# First Principles Lattice Calculations of PDFs: Present and Future

*Thursday, 21 September 2023 16:00 (1 hour)*

**Presenter:** RICHARDS, David (Jefferson Lab)

Contribution ID: 21

Type: **not specified**

## **Pion Structure Program at EicC**

*Friday, 22 September 2023 10:00 (1 hour)*

**Presenter:** WANG, Rong (Chinese Academy of Sciences)

Contribution ID: 22

Type: **not specified**

## Pion DFs and TMDs

*Friday, 22 September 2023 11:30 (1 hour)*

**Presenter:** DING, Minghui (Helmholtz Zentrum Dresden Rosendorf\*,Germany)