

# **Color Glass Condensate at the electron-ion collider**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome by ECT\* Director

*Monday, 15 May 2023 09:30 (10 minutes)*

**Presenter:** AARTS, Gert

Contribution ID: 2

Type: **not specified**

# Possible measurements to access low-x physics at the EIC

*Monday, 15 May 2023 09:40 (35 minutes)*

**Presenter:** VAN HULSE, Charlotte

Contribution ID: 3

Type: **not specified**

# **DIS dijet production at next-to-eikonal accuracy and its back-to-back limit**

*Monday, 15 May 2023 10:15 (35 minutes)*

**Presenter:** ALTINOLUK, Tolga

Contribution ID: 4

Type: **not specified**

## **3D structure of the proton: from partons to strong fields**

*Monday, 15 May 2023 11:20 (35 minutes)*

**Presenter:** MEHTAR-TANI, Yacine

Contribution ID: 5

Type: **not specified**

## **Probing quark TMDs in the CGC: quark-gluon dijets in DIS**

*Monday, 15 May 2023 11:55 (35 minutes)*

**Presenter:** BEUF, Guillaume

Contribution ID: 6

Type: **not specified**

## GPDs at small-x

*Monday, 15 May 2023 14:35 (35 minutes)*

**Presenter:** HATTA, Yoshitaka

Contribution ID: 7

Type: **not specified**

## Probing gluon bose correlations at EIC

*Monday, 15 May 2023 14:00 (35 minutes)*

**Presenter:** KOVNER, Alexander



Contribution ID: 8

Type: **not specified**

## COFFEE BREAK

Contribution ID: 9

Type: **not specified**

## **Toward precision CGC: one-loop corrections to particle production in DIS at small $x$**

*Monday, 15 May 2023 15:40 (35 minutes)*

**Presenter:** JALILIAN-MARIAN, Jamal

Contribution ID: **10**

Type: **not specified**

# **Back-to-back dijet photoproduction at NLO in the CGC**

*Monday, 15 May 2023 16:15 (35 minutes)*

**Presenter:** TAEELS, Pieter

Contribution ID: **11**

Type: **not specified**

## COFFEE BREAK

Contribution ID: **12**

Type: **not specified**

## **Some recent UPC measurements from the LHC**

*Tuesday, 16 May 2023 09:05 (35 minutes)*

**Presenter:** CONTRERAS NUNO, Guillermo

Contribution ID: **13**

Type: **not specified**

## Hot spots in a proton

*Tuesday, 16 May 2023 09:40 (35 minutes)*

**Presenter:** LAPPI, Tuomas

Contribution ID: 14

Type: **not specified**

## **Diffraction structure functions at next-to-leading order in the dipole picture**

*Tuesday, 16 May 2023 10:15 (35 minutes)*

**Presenter:** PENTTALA, Jani

Contribution ID: 15

Type: **not specified**

## **Inclusive diffraction from non-linear evolutions: analytical and numerical predictions**

*Tuesday, 16 May 2023 11:20 (35 minutes)*

**Presenter:** LE, Anh-Dung



Contribution ID: **16**

Type: **not specified**

## Small-x factorization at NLO

*Tuesday, 16 May 2023 11:55 (35 minutes)*

**Presenter:** SALAZAR, Farid

Contribution ID: 17

Type: **not specified**

# All-NLO Forward Single-Inclusive Particle Production in pA Collisions

*Tuesday, 16 May 2023 14:00 (35 minutes)*

**Presenter:** TAWABUTR, Yossathorn

Contribution ID: **18**

Type: **not specified**

## **Massive quarks in NLO dipole factorization for DIS**

*Tuesday, 16 May 2023 14:35 (35 minutes)*

**Presenter:** PAATELAINEN, Risto

Contribution ID: **19**

Type: **not specified**

## **BK equation in momentum space and some of its applications**

*Tuesday, 16 May 2023 15:40 (35 minutes)*

**Presenter:** KUTAK, Krzysztof

Contribution ID: 20

Type: **not specified**

## **From the exact solution for the Schrödinger equation to NLO cross sections**

*Tuesday, 16 May 2023 16:15 (35 minutes)*

**Presenter:** MULLAN, Yair

Contribution ID: 21

Type: **not specified**

# Jet production in ultra-peripheral collisions at the LHC

*Wednesday, 17 May 2023 09:05 (35 minutes)*

**Presenter:** COLE, Brian

Contribution ID: 22

Type: **not specified**

## **Factorization and coherent states in diffractive $\gamma$ nuclear coherent reactions**

*Wednesday, 17 May 2023 09:40 (35 minutes)*

**Presenter:** MUELLER, Alfred

Contribution ID: 23

Type: **not specified**

## **Probing gluon saturation via diffractive jets in ultra-peripheral nucleus-nucleus collisions**

*Wednesday, 17 May 2023 10:15 (35 minutes)*

**Presenter:** IANCU, Edmond



Contribution ID: 24

Type: **not specified**

# The ALICE FoCal project and its connections with EIC physics

*Wednesday, 17 May 2023 11:20 (35 minutes)*

**Presenter:** TAPIA TAKAKI, Daniel

Contribution ID: 25

Type: **not specified**

# **CGC for ultra-peripheral Pb+Pb collisions at the Large Hadron Collider**

*Wednesday, 17 May 2023 11:55 (35 minutes)*

**Presenter:** SKOKOV, Vladimir

Contribution ID: 26

Type: **not specified**

## **Muller Navelet and Mueller Tang processes at the LHC**

*Thursday, 18 May 2023 09:05 (35 minutes)*

**Presenter:** ROYON, Christophe

Contribution ID: 27

Type: **not specified**

## **Revised helicity evolution at small $x$ : exact analytic solution of the large- $N_c$ equations**

*Thursday, 18 May 2023 09:40 (35 minutes)*

**Presenter:** KOVCHegov, Yuri

Contribution ID: 28

Type: **not specified**

## **Imaging the odderon from exclusive $\eta_c$ production at the EIC**

*Thursday, 18 May 2023 10:15 (35 minutes)*

**Presenter:** BENIC, Sanjin

Contribution ID: 29

Type: **not specified**

## **On hybrid factorization at NLO from NLO collinear amplitudes**

*Thursday, 18 May 2023 11:20 (35 minutes)*

**Presenter:** MOTYKA, Leszek

Contribution ID: 30

Type: **not specified**

## Pseudo and quasi quark PDF in the BFKL limit

*Thursday, 18 May 2023 11:55 (35 minutes)*

**Presenter:** CHIRILLI, Giovanni

Contribution ID: 31

Type: **not specified**

# **Anisotropic flow and the valence quark skeleton of hadrons**

*Thursday, 18 May 2023 14:00 (35 minutes)*

**Presenter:** WU, Bin



Contribution ID: 32

Type: **not specified**

## **Low vs moderate xBj matching for exclusive Compton scattering**

*Thursday, 18 May 2023 14:35 (35 minutes)*

**Presenter:** BOUSSARIE, Renault

Contribution ID: 33

Type: **not specified**

## **Single inclusive particle production in pA collisions at forward rapidities: beyond the hybrid model**

*Thursday, 18 May 2023 15:40 (35 minutes)*

**Presenter:** ARMESTO, Néstor

Contribution ID: 34

Type: **not specified**

## Rapidity-only TMD factorization

*Thursday, 18 May 2023 16:15 (35 minutes)*

**Presenter:** BALITSKY, Ian

Contribution ID: 35

Type: **not specified**

## **Remarks on the Langevin formulation of JIMWLK equation toward NLO**

*Friday, 19 May 2023 09:05 (35 minutes)*

**Presenter:** COUGOULIC, Florian

Contribution ID: 36

Type: **not specified**

## NLO JIMWLK and resummations

*Friday, 19 May 2023 09:40 (35 minutes)*

**Presenter:** LUBLINSKY, Michael

Contribution ID: 37

Type: **not specified**

## **Gluon Propagator in Background Field at Next to Eikonal Order**

*Friday, 19 May 2023 10:45 (35 minutes)*

**Presenter:** MULANI, Swaleha

Contribution ID: 38

Type: **not specified**

## **Imaging the odderon from exclusive $\eta_c$ production at the EIC**

**Presenter:** BENIC, Sanjin

Contribution ID: 39

Type: **not specified**

# Incoherent diffractive dijet production in electron DIS off nuclei

*Friday, 19 May 2023 11:20 (35 minutes)*

**Presenter:** TRIANTAFYLLOPOULOS, Dionysios