

# **Forward QCD: open questions and future directions**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Introduction to EIC Science and its Status

*Tuesday 24 May 2022 09:00 (1 hour)*

**Presenter:** DESHPANDE, Abhay

Contribution ID: 2

Type: **not specified**

# A historical introduction to ultra-peripheral collisions

*Monday 23 May 2022 09:10 (40 minutes)*

**Presenter:** NYSTRAND, Joakim (University of Bergen (NO))

Contribution ID: 3

Type: **not specified**

## **Exclusive J/psi photoproduction in ultraperipheral Pb+Pb collisions at the LHC to next-to-leading order perturbative QCD**

*Monday 23 May 2022 09:50 (40 minutes)*

**Presenters:** FLETT, Chris (The University of Liverpool); FLETT, Chris

Contribution ID: 4

Type: **not specified**

## UPC physics, LHC results from Run 2

*Monday 23 May 2022 11:00 (30 minutes)*

**Presenter:** CONTRERAS NUNO, Jesus Guillermo (Czech Technical University in Prague (CZ))

Contribution ID: 5

Type: **not specified**

## Photoproduction in semi-central nuclear collisions

*Monday 23 May 2022 11:30 (30 minutes)*

**Presenter:** NYSTRAND, Joakim (University of Bergen (NO))

Contribution ID: 6

Type: **not specified**

## UPC physics and prospects at RHIC

*Monday 23 May 2022 12:00 (30 minutes)*

**Presenter:** TU, Zhoudunming (BNL)

Contribution ID: 7

Type: **not specified**

## **BFKL Pomeron, high gluon densities and their imprint in exclusive vector meson production**

*Monday 23 May 2022 14:25 (30 minutes)*

**Presenter:** HENTSCHINSKI, Martin (Universidad de las Americas, Puebla)



Contribution ID: 8

Type: **not specified**

## **Odderon Observation: the comparison of $pp$ and $p\bar{p}$ differential cross sections using D0 and TOTEM**

*Monday 23 May 2022 14:00 (25 minutes)*

**Presenter:** RABEN, Timothy

Contribution ID: 9

Type: **not specified**

# Mueller-Tang jets at NLO and the violation of BFKL factorization

*Monday 23 May 2022 15:15 (20 minutes)*

**Presenter:** DEGANUTTI, Federico

Contribution ID: **10**

Type: **not specified**

## **UPC studies, interplay between QCD, QED and BSM searches**

*Monday 23 May 2022 15:35 (25 minutes)*

**Presenter:** KRINTIRAS, Georgios (The University of Kansas (US))

Contribution ID: **11**

Type: **not specified**

## ECCE physics and detectors

*Tuesday 24 May 2022 10:00 (30 minutes)*

**Presenter:** BOCK, Friederike (Oak Ridge National Laboratory - (US))

Contribution ID: 12

Type: **not specified**

# Physics and detectors for diffractive physics at the EIC

*Tuesday 24 May 2022 11:00 (30 minutes)*

**Presenter:** KLEIN, Spencer Robert (Lawrence Berkeley National Lab. (US))

Contribution ID: 13

Type: **not specified**

## Discussion about the EIC program

Contribution ID: 14

Type: **not specified**

# The FoCal project at the ALICE experiment

*Tuesday 24 May 2022 15:10 (30 minutes)*

**Presenter:** BEARDEN, Ian Gardner (University of Copenhagen (DK))

Contribution ID: 15

Type: **not specified**

## ECCE jet physics

*Tuesday 24 May 2022 14:00 (20 minutes)*

**Presenter:** SCHMIDT, Nicolas (Oak Ridge National Laboratory - (US))



Contribution ID: **16**

Type: **not specified**

## Photon/weak boson physics with Focal

*Tuesday 24 May 2022 15:40 (20 minutes)*

**Presenter:** JONAS, Florian (Westfaelische Wilhelms-Universitaet Muenster (DE))

Contribution ID: 17

Type: **not specified**

## Fast detectors for polarimetry at the EIC

*Tuesday 24 May 2022 11:30 (30 minutes)*

**Presenter:** ISIDORI, Tommaso (The University of Kansas (US))

Contribution ID: **18**

Type: **not specified**

## **RHICf experiment for forward QCD studies**

*Tuesday 24 May 2022 14:40 (30 minutes)*

**Presenter:** GOTO, Yuji (RIKEN (JP))

Contribution ID: **19**

Type: **not specified**

## **ZDC detectors for LHC and EIC**

*Tuesday 24 May 2022 12:00 (30 minutes)*

**Presenter:** WANG, Quan (The University of Kansas (US))

Contribution ID: 20

Type: **not specified**

## **Tour to the Natural History Museum (only for non-KU people)**

*Tuesday 24 May 2022 16:30 (40 minutes)*

Contribution ID: 21

Type: **not specified**

## Far forward detectors at the EIC

*Tuesday 24 May 2022 14:20 (20 minutes)*

**Presenter:** MURRAY, Michael (The University of Kansas (US))

Contribution ID: 22

Type: **not specified**

## General discussion

Contribution ID: 23

Type: **not specified**

## Exploring femtoscopy as a measurement tool for ultra-peripheral collisions

*Monday 23 May 2022 16:30 (20 minutes)*

**Presenters:** ANSON, Christopher; ANSON, Christopher (Creighton University)



Contribution ID: 24

Type: **not specified**

## Hard color-singlet exchange in dijet events at 13 TeV

*Monday 23 May 2022 14:55 (20 minutes)*

**Presenter:** BALDENEGRO BARRERA, Cristian (Laboratoire Leprince-Ringuet)

Contribution ID: 25

Type: **not specified**

## Welcome drink at McLain's Market

*Monday 23 May 2022 17:00 (1 hour)*

Contribution ID: 26

Type: **not specified**

## IANN-QCD

*Monday 23 May 2022 16:50 (5 minutes)*

**Presenter:** TAPIA TAKAKI, Daniel (University of Kansas)