

# **Saturation and Diffraction at the LHC and the EIC**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# The role of light-ray operators in high-energy QCD

**Presenter:** CHIRILLI, Giovanni Antonio (University of Regensburg)

Contribution ID: 2

Type: **not specified**

## **Froissaron and Maximal Odderon approach to $pp$ and $\bar{p}p$ elastic scattering. Theory and phenomenology» (~30 min)**

**Presenter:** Prof. MARTYNOV, Evgenij (Bogolyubov Institute for Theoretical Physics of NAS of Ukraine)

Contribution ID: 3

Type: **not specified**

## **Theory of hard diffraction at asymptotics and predictions for future EICs**

**Presenter:** Mr LE, Anh Dung (Centre de Physique Théorique (CPHT))

Contribution ID: 4

Type: **not specified**

## Introduction to the workshop

*Tuesday, 29 June 2021 14:10 (10 minutes)*

**Presenters:** Mr DESHPANDE, Abhay; Mr SABIO VERA - UNIVERSITY AUTONOMY DE MADRID, Augustin (University Autonomy de Madrid); Mr ROYON - UNIVERSITY OF KANSAS, Christophe (University of Kansas); Mr SOYEZ - IPHT, SACLAY, Gregory (IPhT, Saclay); HENTSCHINSKI, Martin (Universidad de Las Americas Puebla); Mr SCHLICHTING - UNIVERSITY OF BIELEFELD, Soeren (University of Bielefeld)

Contribution ID: 5

Type: **not specified**

## The STRONG2020 network

*Tuesday, 29 June 2021 14:20 (15 minutes)*

**Presenters:** ARMESTO, Nestor; LAPPI, Tuomas

Contribution ID: 6

Type: **not specified**

# Results from the LHC on diffraction and hadron physics

*Tuesday, 29 June 2021 14:35 (40 minutes)*

**Presenter:** BAUTISTA GUZMAN, Irais

Contribution ID: 7

Type: **not specified**

## Physics at the EIC: QCD, saturation

*Tuesday, 29 June 2021 15:15 (40 minutes)*

**Presenter:** TU, Zhoudunming



Contribution ID: 8

Type: **not specified**

## Particle correlations in small systems

*Tuesday, 29 June 2021 16:25 (30 minutes)*

**Presenter:** JAVIER ALBERTO, Murilo Quijada

Contribution ID: 9

Type: **not specified**

# Top quarks and the little bang standard model

*Tuesday, 29 June 2021 16:55 (30 minutes)*

**Presenter:** KRINTIRAS, Georgios

Contribution ID: **10**

Type: **not specified**

# **Gluon imaging using azimuthal correlations in diffractive scattering at the EIC**

*Tuesday, 29 June 2021 17:25 (30 minutes)*

**Presenter:** SALAZAR, Farid

Contribution ID: **11**

Type: **not specified**

## **The odderon discovery by D0 and TOTEM**

*Wednesday, 30 June 2021 14:25 (30 minutes)*

**Presenter:** RABEN, Timothy

Contribution ID: 12

Type: **not specified**

## Odderon: theoretical aspects

*Wednesday, 30 June 2021 14:55 (40 minutes)*

**Presenter:** MOTYKA, Leszek

Contribution ID: 13

Type: **not specified**

## **Froissaron and Maximal Odderon approach to pp and ppbar elastic scattering. Theory and phenomenology**

*Wednesday, 30 June 2021 15:35 (30 minutes)*

**Presenter:** Prof. MARTYNOV, Evgenij (Bogolyubov Institute for Theoretical Physics of NAS of Ukraine)

Contribution ID: 14

Type: **not specified**

## Odderon measurements at the EIC

*Wednesday, 30 June 2021 16:25 (40 minutes)*

**Presenter:** HATTA , Yoshitaka

Contribution ID: 15

Type: **not specified**

## Odderon and glueballs

*Wednesday, 30 June 2021 17:05 (30 minutes)*

**Presenter:** MELNIKOV, Dmitri



Contribution ID: **16**

Type: **not specified**

## **BFKL studies**

*Thursday, 1 July 2021 14:30 (40 minutes)*

**Presenter:** IVANOV, Dmitri

Contribution ID: 17

Type: **not specified**

## Mueller Navelet jets and jet gap jet studies in CMS

*Thursday, 1 July 2021 15:10 (30 minutes)*

**Presenter:** BALDENEGRO, Cristian

Contribution ID: **18**

Type: **not specified**

## **Small-x improved TMD factorization**

*Thursday, 1 July 2021 16:30 (40 minutes)*

**Presenter:** MARQUET, Cyrille

Contribution ID: **19**

Type: **not specified**

## **Ultrahigh energy neutrinos and low x physics**

*Thursday, 1 July 2021 15:40 (40 minutes)*

**Presenter:** STASTO, Anna

Contribution ID: 20

Type: **not specified**

## **Calculation of dijet production in DIS at next-to-leading order in the CGC approach**

*Thursday, 1 July 2021 17:10 (30 minutes)*

**Presenter:** CAUCAL, Paul

Contribution ID: 21

Type: **not specified**

## **Anouncement of 2022 workshop in Trento**

*Thursday, 1 July 2021 18:50 (15 minutes)*

**Presenter:** Mr ROYON - UNIVERSITY OF KANSAS, Christophe (University of Kansas)

Contribution ID: 22

Type: **not specified**

## The ECCE EIC Detector

*Tuesday, 29 June 2021 18:20 (20 minutes)*

**Presenter:** HEN, Or (MIT)

Contribution ID: 23

Type: **not specified**

## Theory of hard diffraction at asymptotics and predictions for future EICs

*Tuesday, 29 June 2021 16:05 (20 minutes)*

**Presenter:** Mr LE, Anh Dung (Centre de Physique Théorique (CPHT))



Contribution ID: 24

Type: **not specified**

# The role of light-ray operators in high-energy QCD

*Wednesday, 30 June 2021 17:35 (20 minutes)*

**Presenter:** CHIRILLI, Giovanni Antonio (University of Regensburg)

Contribution ID: 25

Type: **not specified**

## **Studying interplay of the Sudakov and saturation effects in dijet production at EIC**

*Thursday, 1 July 2021 17:40 (20 minutes)*

**Presenter:** KOTKO, Piotr

Contribution ID: 26

Type: **not specified**

## Discussion: From LHC to EIC

*Tuesday, 29 June 2021 18:40 (30 minutes)*

Contribution ID: 27

Type: **not specified**

## **Discussion: The odderon dicover, glueballs, saturation**

*Wednesday, 30 June 2021 18:35 (30 minutes)*

Contribution ID: 28

Type: **not specified**

## Discussion: BFKL and saturation

*Thursday, 1 July 2021 18:20 (30 minutes)*

Contribution ID: 29

Type: **not specified**

## Welcome to ECT\* by the Director

*Tuesday, 29 June 2021 14:00 (10 minutes)*

**Presenter:** Prof. AARTS, Gert (Swansea University, UK)

Contribution ID: 30

Type: **not specified**

## **Color charge correlations in the proton and initial condition for the BK evolution**

*Tuesday, 29 June 2021 17:55 (25 minutes)*

**Presenter:** HEIKKI, Mäntysaari (University of Jyväskylä (Finland))

Contribution ID: 31

Type: **not specified**

## **Recent CGC calculation of exclusive vector meson production at NLO accuracy.**

*Wednesday, 30 June 2021 17:55 (20 minutes)*

**Presenter:** PENTTALA, Jani



Contribution ID: 32

Type: **not specified**

## **Forward dijets in proton-nucleus collisions at next-to-leading order**

*Wednesday, 30 June 2021 18:15 (20 minutes)*

**Presenter:** MULLAN, Yair

Contribution ID: 33

Type: **not specified**

## **Diffraction: from AdS/CFT to Pomeron/Odderon in QCD**

*Thursday, 1 July 2021 18:00 (20 minutes)*

**Presenter:** TAN, Chung-I