

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