

Session Program

24-30 Sept 2022



Diffraction and Low-x 2022

Recent theoretical results on QCD and saturation

Corigliano Calabro, Italy
BV Airone Resort

Sunday 25 September

08:45

Recent theoretical results on QCD and saturation

Session | **Location:** Corigliano Calabro, Italy, BV Airone Resort

08:45–09:05

Recent developments in exclusive photoproduction of excited vector mesons

Speakers

Roman Pasechnik, Roman Pasechnik, Roman Pasechnik

09:05–09:25

Quark and gluon Helicity evolution at small-x: Revised and updated.

Speakers

Florian Cougoulic, Florian Cougoulic

09:25–09:45

Production of forward charm and neutrinos and unintegrated gluon distributions at very small x

Speaker

Antoni Szczurek

09:45–10:05

J/ψ production in high multiplicity pp and pA collisions

Speakers

Tomasz Stebel, Tomasz Stebel

10:05–10:25

Effect of Sudakov factor in Golec-Biernat Wusthoff saturation model

Speaker

Tomoki Goda

10:25

10:50

Recent theoretical results on QCD and saturation

Session | **Location:** Corigliano Calabro, Italy, BV Airone Resort

10:50–11:10

A one-loop central-emission vertex for two gluons in N=4 SYM

Speaker

Emmet Byrne

11:10–11:30

High-energy signals from heavy-flavor physics

Speaker

Michael Fucilla

11:30–11:50

Mechanisms of fully heavy tetraquark production in proton-proton collisions

Speaker

Antoni Szczurek

11:50–12:10

Production of 1S, 2S, 1P quarkonium state production in light-cone k_{\perp} -factorization approach

Speaker

Izabela Babiarz

12:10–13:00 **Discussion session: AdS CFT, high energy resummation**

Speakers

Prof. Agustin Sabio Vera, Cyrille Marquet, Dr Francesco Giovanni Celiberto, Martin Hentschinski

13:00

14:30

Recent theoretical results on QCD and saturation

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14:30–14:55

The QCD shockwave approach at NLO: towards precision physics in gluonic saturation

Speakers

Samuel Wallon, Dr Samuel Wallon

14:55–15:15

NLO computation of diffractive di-hadron production in a saturation framework

Speaker

Emilie Li

15:15–15:35

Signature of Accidental Symmetry Breaking in Two Particle Correlations Within the CGC

Speaker

Víctor Vila

15:35–15:55

Diffractive structure function in the dipole approach

Speaker

Tuomas Lappi

15:55–16:15

Exclusive vector meson production at next-to-leading order in the Color Glass Condensate framework

Speakers

Jani Penttala, Jani Penttala

16:15

16:40

Recent theoretical results on QCD and saturation

Session | **Location:** Corigliano Calabro, Italy, BV Airone Resort

16:40–17:00

Gluon dipole factorization and saturation in diffractive dijet production

Speaker

Dionysios Triantafyllopoulos

17:00–17:20

On NLO BFKL impact factors from NLO collinear amplitudes

Speaker

Leszek Motyka

17:20–17:40

NLO JIMWLK with massive quarks

Speakers

Michael Lublinsky, Prof. Michael Lublinsky

17:40–18:00

Evolution of initial stage fluctuations in the Glasma

Speaker

Pablo Guerrero Rodríguez

18:00–18:20

Sudakov suppression and gluon saturation at NLO

Speaker

Farid Salazar

18:20–18:40

Next-to-leading order photon+jet production

Speaker

Yair Mulian

18:40–19:30

Discussion session: CGC, saturation

Speakers

Prof. Agustin Sabio Vera, Cyrille Marquet, Dr Francesco Giovanni Celiberto, Martin Hentschinski

19:30