

Session Program

4-8 May 2026



33rd International Workshop on Deep Inelastic Scattering and Related Subjects (DIS2026)

WG2 Small-x, diffraction and vector mesons

Hotel Carlton
via Milazzo 6, Bologna, Italy

Tuesday 5 May

09:00

WG2 Small-x, diffraction and vector mesons

Session | Location: Hotel Carlton, Sala SATURNO A, First Floor | Convener: Michael Pitt

09:00–09:20

New ALICE results from Run 3 on exclusive dimuon production, coherent J/ψ and $\psi(2S)$ photoproduction in ultra-peripheral Pb–Pb collisions

Speaker

Nazar Burmasov

09:20–09:40

Quarkonium photoproduction in peripheral heavy-ion collisions with ALICE

Speaker

Dukhishyam Mallick

09:40–10:00

Measurements of J/ψ and the impact of coincident photon-induced processes in ultra-peripheral Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.36$ TeV with the ATLAS detector

Speaker

Agnieszka Ogrodnik

10:00–10:20

Probing Gluon Fluctuations in Nuclei using incoherent J/ψ photoproduction in PbPb at 5.02 TeV with the CMS experiment

Speaker

Shuai Yang

10:20–10:40

Studies of exclusive ϕ photoproduction and energy-dependent measurement of coherent ρ^0 photoproduction in PbPb UPCs with the CMS Experiment

Speaker

Pranjal Verma

10:45

11:15

WG2 Small-x, diffraction and vector mesons

Session | Location: Hotel Carlton, Sala SATURNO A, First Floor | Convener: Michael Pitt

11:15–11:35

Probing the transverse structure of nPDF modifications with jet production in ultra-peripheral Pb+Pb collisions with the ATLAS detector

Speaker

Benjamin Gilbert

11:35–11:55

Constraining gluon nPDFs with open heavy-flavor production in ultraperipheral heavy ion collisions with CMS

Speaker

Balasz Kovacs

11:55-12:15

Investigating nuclear shape via the Breit-Wheeler process in U+U UPCs at STAR

Speaker

Mr Nicholas Jindal

12:15-12:35

Coherent and Incoherent ϕ Meson Photoproduction in Ultra-Peripheral Au+Au Collisions at $\sqrt{s_{NN}} = 200 \sim \text{GeV}$

Speaker

Xihe Han

12:35-12:55

Diffraction vector meson photo-production in oxygen-oxygen and neon-neon ultraperipheral collisions at energies available at the LHC

Speaker

Mrs Alexandra Ridzikova

13:00

14:30

WG2 Small-x, diffraction and vector mesons

Session | **Location:** Hotel Carlton, Sala SATURNO A, First Floor | **Convener:** Cristovao Fernandes Vilela

14:30-14:50

The fragmentation mechanism in diquarkonia production

Speaker

Benjamin Guiot

14:50-15:10

Saturation Onset and Centrality Dependence for Heavy Mesons

Speaker

Prof. M. Beatriz Gay Ducati

15:10-15:30

Complete NLO BFKL impact factors for quarkonium hadroproduction in NRQCD: the case of $^1S_0^{[1]}$, $^1S_0^{[8]}$, and $^3S_1^{[8]}$ states

Speaker

Michael Fucilla

15:30-15:50

Unified Resummation of Soft Gluon Radiation in Heavy Meson Pair Photoproduction

Speaker

Dr Yu Shi

16:00

16:30

WG2 Small-x, diffraction and vector mesons

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16:30-16:50

Nuclear suppression and proton geometry from diffraction, flow, and charge radius

Speaker

Hendrik Roch

16:50-17:10

Probing Gluon Saturation with Angular Correlations in Forward p-p and p-A Collisions

Speaker

Wenbin Zhao

17:10-17:30

Studying Gluon Saturation Effects in Forward Photon-Hadron Transverse Energy-Energy and Azimuthal Correlations in Proton-Proton and Proton-Lead Collisions at the LHC**Speaker**

Ishita Ganguli

17:30-17:50

Probing Gluon Saturation with J/ψ Spin Interference in Photoproduction at STAR**Speaker**

Prithwish Tribedy

17:50-18:10

Studies of low-x phenomena with the LHCb detector**Speaker**

Mr imanol corrodoira

18:10-18:30

Nucleon energy correlators at small x**Speaker**

Xuanbo Tong

18:30

Wednesday 6 May

09:20

WG2 Small-x, diffraction and vector mesons

Session | **Location:** Hotel Carlton, Sala SATURNO A, First Floor | **Convener:** Cristovao Fernandes Vilela

09:20–09:40 **CGC Fit to HERA DIS and Forward Hadron Production in p+p Collisions**

Speaker

Truong My Hau Le

09:40–10:00

Confronting CGC at NLO with HERA Structure Function data and Probing Gluon Saturation through Semi-inclusive Hadron Production at the EIC

Speakers

Carlisle Casuga, Swaleha Mulani

10:00–10:20

Probing Dense Nuclear Matter at Small-x

Speaker

Fredrick Olness

10:30

11:00

WG2 Small-x, diffraction and vector mesons

Session | **Location:** Hotel Carlton, Sala SATURNO A, First Floor | **Convener:** Cristovao Fernandes Vilela

11:00–11:20

The DIS dipole picture cross section in exact kinematics

Speaker

Magnus Bertilsson

11:20–11:40

Geometric Scaling and Gluon Saturation at the EIC

Speaker

Rojae Mighty

11:40–12:00

Measurement of $\gamma \gamma \rightarrow \pi^+ \pi^-$ in Au+Au collisions at STAR using the Entanglement Enabled Spin Interference effect

Speaker

Samuel Corey

12:00–12:20

Exploring the frontier of high energy QCD with the LHuC

Speaker

Piotr Kotko

12:20–12:40

Differential Higgs production at small x

Speaker

Benedetta Bernardini

13:00

14:30

WG2 Small-x, diffraction and vector mesons

Session | Location: Hotel Carlton, Sala SATURNO A, First Floor | Convener: Jani Penttala

14:30-14:50

Rotating the Color Glass Condensate: Stabilizing High-Energy Evolution at NLO**Speaker**

Piotr Korcyl

14:50-15:10

Rapidity regulators for the CGC: DIS structure functions at low x at NLO**Speaker**

Guillaume Beuf

15:10-15:30

Recent advances to the solution of the next-to-leading order Balitsky-Kovchegov equation**Speaker**

Jan Cepila

15:30-15:50

Study of the N_c dependence of TMD's initial condition for JIMWLK evolution**Speaker**

Florian Cougoulic

16:00

16:30

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16:30-16:50

High-energy QCD phenomenology with next-to-leading order BFKL eigenfunctions**Speaker**

Ada Polizzi

16:50-17:10

Diffraction Structure Functions from JIMWLK Evolution**Speaker**

Pyry Runko

17:10-17:30

Searches for QCD instantons with forward proton tagging**Speaker**

Marek Tasevsky

17:30-17:50

Inclusive diffraction in eA at small x with the Sartre event generator**Speaker**

Tobias Toll

17:50-18:10

Diffraction deep inelastic scattering in the dipole picture: the $q_{\perp} g$ contribution in exact kinematics**Speaker**

Abhiram Kaushik Badrinarayanan

18:10-18:30

Small-x Factorization in the Target Fragmentation Region of DIS

18:35

Speaker
Paul Cauca

Thursday 7 May

09:20

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Session | Location: Hotel Carlton, Sala SATURNO A, First Floor | Convener: Jani Penttala

09:20–09:40 **Non-eikonal corrections to dijet production in DIS**

Speaker

Adrián Romero González

09:40–10:00

Constraining Proton Spin at Small Bjorken x with Valence Quark Model

Speaker

Yossathorn Tawabutr

10:00–10:20

High-Energy DIS Beyond the Eikonal Approximation

Speaker

Giovanni Antonio Chirilli

10:20–10:40

Next-to-Leading Order corrections to the Next-to-Eikonal DIS structure functions

Speaker

Jules Favrel

10:45

11:15

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11:15–11:35

Next-to-leading power gluon TMDs from back-to-back DIS dijets at next-to-eikonal accuracy at low x

Speakers

Kacper Goslowski, Jules Favrel

11:35–11:55

One-loop renormalization of the quark TMD in the projectile light-cone gauge

Speaker

Mirja Tevio

11:55–12:15

Sudakov effects vs saturation dynamics in SIDIS at small x

Speaker

Jamal Jalilian-Marian

12:15–12:35

Connecting Regge Factorization and Collins-Soper Evolution

Speaker

Andrea Simonelli

12:35–12:55

Jet Definition and Transverse-Momentum-Dependent Factorization in Semi-inclusive Deep-Inelastic Scattering

13:00

Speaker
Paul Cauca