

Program

4-8 May 2026



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

Hotel Carlton
via Milazzo 6, Bologna, Italy

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Monday 4 May

08:00

Registration

Break | **Location:** Hotel Carlton, Registration Desk Sala INGLESE - Ground Floor

09:30

09:30

Opening session

Session | **Location:** Hotel Carlton, Sala IMPERIALE

09:30-09:35

Welcome from Workshop Organisers

Speaker

Pietro Antonioli

09:35-09:40

Welcome from director of INFN - sezione di Bologna

Speaker

Eugenio Scapparone

09:40-09:45

Welcome from deputy director of Department of Physics and Astronomy, University of Bologna

Speaker

Elisa Ercolessi

09:45-09:50

Information about the workshop

Speakers

Francesca Bellini, Roberto Preghenella

10:00

10:00

Plenary 1

Session | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Amanda Cooper-Sarkar

10:00-10:30

Global analyses of PDF

Speaker

Juan Manuel Cruz Martinez

10:30-11:00

Lattice QCD

Speaker

Constantia Alexandrou

11:00

11:00

Coffee break

Break | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

11:30

11:30

Plenary 2

Session | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Robert Thorne

11:30-12:00

High-pT physics and jet production

Speaker

Francesco Giuli

13:30

12:00–12:30 QCD simulations and Monte Carlo**Speaker**

René Poncelet

13:30

12:30–13:00 Precision QCD**Speaker**

Tiziano Peraro

15:00

13:00–13:30 Highlights and prospects on electroweak, Higgs and top physics**Speaker**

Beatriz Ribeiro Lopes

15:00

Lunch break**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy**Plenary 3****Session** | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Abhay Deshpande**15:00–15:30 The 25 years RHIC legacy of QCD****Speaker**

Renee Fatemi

15:30–16:00 DIS with ion beams: Ultra Peripheral Collisions**Speaker**

Minjung Kim

16:00–16:30 Heavy-Ion Physics**Speaker**

Alice Ohlson

16:30

16:30

Coffee break**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

17:00

17:00

Plenary 4**Session** | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Barbara Badelek**17:00–17:30 Low-x, diffraction and forward physics****Speaker**

Jonathan Hollar

17:30–18:00 Spin and 3D structure: theoretical advances**Speaker**

Markus Diehl

18:00–18:30 Spin and 3D structure: experimental results**Speaker**

Silvia Niccolai

18:30

19:00
20:00

Welcome reception

Break | Location: Hotel Carlton, via Milazzo 6, Bologna, Italy

Tuesday 5 May

09:00

WG1 Structure functions and parton densities

Session | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Amanda Cooper-Sarkar

09:00–09:20

CT25: the new generation of CTEQ-TEA PDFs

Speaker

Pavel Nadolsky

09:20–09:40

Towards a new NNPDF global analysis

Speaker

Felix Hekhorn

09:40–10:00

MSHT Updates

Speaker

Robert Thorne

10:00–10:20

Parton and nuclear dynamics at large x: the CJ26 global QCD analysis

Speaker

Alberto Accardi

10:20

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

09:00

WG3 Electro-weak physics/higgs/top and BSM: Top Physics 1**Session** | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Ken Mimasu, Menglin Xu

09:00–09:20

Highlights on top quark properties and mass measurements with the ATLAS detector (17'+3')**Speaker**

Alberto Prades

09:20–09:40

Measurements of top quark production and its properties (17'+3')**Speaker**

Javier Cuevas

09:40–10:00

Spin Correlations in $t\bar{t}$ Production and Decay at the LHC in QCD Perturbation Theory (17'+3')**Speaker**

Emanuele Re

10:00–10:20

 $t\bar{t}$ cross section, including threshold and off-shell measurements (17'+3')**Speaker**

Nello Bruscino

10:45

09:00

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

09:00–09:20

Massive charm contribution in large- x resummation to $\mathcal{F}_2^c$ for CC DIS**Speaker**

Lorenzo Mai

09:20–09:40

NNLO results for heavy quark Charged DIS**Speaker**

Pooja Mukherjee

09:40–10:00

Results from the DsTau (NA65) experiment at CERN-SPS**Speaker**

Canay Öz

10:00–10:20

New D-meson fragmentation functions from LEP and LHC**Speaker**

Felix Hekhorn

10:20–10:40

sPHENIX measurements of heavy flavor and strangeness production in p+p collisions at RHIC**Speaker**

Alexander Patton

10:45

09:00

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Matteo Cerutti

09:00–09:20

Recent results on transverse-momentum-dependent distributions from the MAP collaboration**Speaker**

Alessandro Bacchetta

09:20–09:40

Phenomenological estimate for the longitudinal structure function in SIDIS**Speaker**

Richard Whitehill

09:40–10:00

A Bayesian Pixel Based Approach for Model Independent TMD Reconstruction**Speaker**

Marco Zaccheddu

10:00–10:20

COMPASS contribution to the study of the three-dimensional structure of the nucleon in SIDIS**Speaker**

Anna Martin

10:20–10:40

SIDIS studies at ePIC**Speaker**

Susanna Costanza

10:45

09:00

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Lesya Shchutka

09:00–09:20

Particle physics at the BNL electron-ion collider**Speaker**

Alessandro Tricoli

09:20–09:40

QCD at the LHeC**Speaker**

Francesco Giuli

09:40–10:00

A detector for top energy DIS**Speaker**

Laurent Forthomme

10:00–10:20

The IDEA detector concept for FCC-ee

Speaker

Iacopo Vivarelli

10:20–10:28

Simulation based performance of the ePIC-dRICH for Forward PID at the Electron Ion Collider**Speaker**

Ramandeep Kumar

10:28

10:45

Coffee break - available from 10:30 to 11:30**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

11:00

11:00

WG1 Structure functions and parton densities**Session** | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Robert Thorne

11:00–11:10

Correlations in theory uncertainties from missing higher orders**Speaker**

Marco Bonvini

11:10–11:20

Exploring Parametrization and Prior Biases for CT PDFs**Speaker**

Aurore Courtoy

11:20–11:30

Theory updates for parton distributions in Hessian formalism**Speaker**

Petja Paakinen

11:30–11:40

Colibri: a new tool for fast-flying PDF fits**Speaker**

Valentina Schutze

11:40–12:00

Markov Chain Monte Carlo analysis of parton distribution functions**Speaker**

Aleksander Kusina

12:00–12:20

Neural Network Reconstruction of Parton Distributions from Lattice QCD**Speaker**

Min-Huan Chu

12:20–12:40

What Can Lattice QCD Tell Us About Sea-Quark Asymmetry?**Speaker**

Huey-Wen Lin

12:40–13:00

Higher Moments of Parton Distribution Functions from Lattice QCD at the Physical Point**Speaker**

Emilio Taggi

13:00

11:00

WG3 Electro-weak physics/higgs/top and BSM: Top Physics 2

Session | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Menglin Xu, Ken Mimasu

11:00-11:20

Measurements of top quark associated production and rare processes (17'+3')

Speaker

Victor Rodriguez Lorenzo

11:20-11:40

Overview of EFT-based searches involving top quarks at ATLAS (17'+3')

Speaker

Barbora Eckerova

11:40-12:00

Two-loop amplitude for the associated production of a top-anti-top pair and a W boson at hadron colliders (17'+3')

Speaker

Mattia Pozzoli

12:00-12:20

Multi-scale improved predictions for $pp \rightarrow t\bar{t}W^+ (j)$ (17'+3')

Speaker

Nikolaos Dimitrakopoulos

12:20-12:28

Modeling top-quark decays in $t\bar{t}t\bar{t}$ production at the LHC (8')

Speaker

Manal Alsairafi

12:28-12:36

Complete NLO corrections to full off-shell $t\bar{t}$ production in the $\ell\ell+j$ decay channel (8')

Speaker

Leon Mans

13:00

11:00

WG6 Current upgrades and future experiments

Session | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Domenico Elia

11:00-11:20

CLAS12 experiments with a transversely polarized target

Speaker

Marco Contalbrigo

11:20-11:40

LHuC: A high energy, high luminosity muon-hadron collider at CERN

Speaker

Krzysztof Piotrkowski

11:40-12:00

LHCspin: a polarized fixed-target system at the LHC

Speaker

Anna Piccoli

12:00-12:20

Top and EW physics at the LHeC

Speaker

Paul Newman

12:20-12:28

Impact of SIDIS measurements at future facilities towards the next generation of TMD analyses**Speaker**

Matteo Cerutti

12:56

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**

Nicholas Jindal

12:15-12:35

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

Alexandra Ridzikova

13:00

11:15

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

11:15-11:35

State of the art event generation for the EIC and future DIS experiments**Speaker**

Daniel Reichelt

11:35-11:55

NNLO precise predictions for hadron-in-jet observables in e+e- collision

Speaker

Francesco Merlotti

11:55-12:15

Precision Simulation of Photoproduction and Diffractive Jets for the EIC and HERA**Speaker**

Peter Meinzingner

12:15-12:35

Diphoton production with realistic photon isolation**Speaker**

Giovanni Stagnitto

12:35-12:55

QCD physics in e+e- collisions below the Z peak at FCC-ee**Speaker**

Andrii Verbytskyi

13:00

11:15

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Tyler Kutz

11:15-11:35

Exclusive electroproduction of dijets**Speaker**

ZHUOYI PANG

11:35-11:55

Deeply virtual neutral pion electroproduction**Speaker**

Igor Korover

11:55-12:15

Measurement of the hard exclusive neutral pion muoproduction cross section at COMPASS**Speaker**

Po-Ju Lin

12:15-12:35

Measurement of Deeply Virtual Compton Scattering with the Neutral Particle Spectrometer in Hall C at JLab**Speaker**

Hao Huang

12:35-12:43

DVCS Cross Section Measurements at COMPASS**Speaker**

Gursimran Kainth

12:45-12:53

Spin Density Matrix Elements in Exclusive Muoproduction of ϕ Mesons at COMPASS**Speaker**

Kamil Augsten

13:00

13:00

14:30

Lunch break**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

14:30

WG1 Structure functions and parton densities

Session | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Markus Diehl

14:30–14:50

The Pion Parton Distribution Puzzle in High x Region

Speaker

Misak Sargsian

14:50–15:10

Meson Structure Study via Drell-Yan Production at AMBER Experiment

Speaker

Zoë Earnshaw

15:10–15:30

JAM global QCD analysis of pion and kaon PDFs

Speaker

Wally Melnitchouk

15:30–15:50

New parton distributions of the real photon

Speaker

Madhav Chithirasreemadam

15:50–16:10

Open charm photoproduction with $G_{\gamma A}^{\text{FONLL}}$ at LHC and EIC

Speaker

Anna Stasto

16:15

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

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

Yu Shi

16:00

14:30

WG3 Electro-weak physics/higgs/top and BSM: Multiboson

Session | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Menglin Xu, Ken Mimasu

14:30-14:50

Recent developments in vector boson polarization modelling in Sherpa (17'+3')

Speaker

Mareen Hoppe

14:50-15:10

Multiboson measurements with the ATLAS detector (17'+3')

Speaker

Alain Bellerive

15:10-15:35

Multiboson production and vector boson scattering in CMS (20'+5')

Speaker

Tianyu Mu

15:35-15:55

Planar three-loop four-point master integrals with two off-shell legs (17'+3')

Speaker

Dhimiter Canko

15:55-16:15

Charting the spin structure of WZ pairs at the LHC (17'+3')

Speaker

Giovanni Pelliccioli

16:15

14:30

WG4 QCD with Heavy flavours and Hadronic Final States

Session | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

14:30-14:50

How well does NRQCD describe quarkonium production data?

Speaker

Mathias Butenschoen

14:50-15:10

Bound-state production in MadGraph5_aMC@NLO

Speaker

Alice Colpani Serri

15:10-15:30

Collinear fragmentation of pseudoscalar quarkonia from NLO NRQCD

Speaker

Francesca Lonigro

15:30-15:50

Factorizing quarkonium production matrix elements using effective field theory

Speaker

Marston Copeland

16:10

14:30

WG5 Spin and 3D-structure

Session | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Matteo Cerutti

14:30-14:50

Learning GPDs from Lattice QCD

Speaker

Huey-Wen Lin

14:50-15:10

Neural Network Representation of Generalized Parton Distributions (NNGPD)**Speaker**

Simonetta Liuti

15:10-15:30

The Proton Energy Correlator**Speaker**

Yu Jiao Zhu

15:30-15:50

Pion and nucleon relativistic angular momentum and boost distribution**Speaker**

Ravi Singh

16:00

14:30

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Boxing Gou

14:30-14:50

Opportunities for Imaging Light Nuclei with a Second Interaction Region at the Electron-Ion Collider**Speaker**

Wan Chang

14:50-15:10

Forward Particle Identification at the EIC with the ePIC dRICH Detector**Speaker**

Simone Vallarino

15:10-15:30

Overview of ATLAS forward proton detectors: status, performance and new physics results**Speaker**

Tomasz Mróz

15:30-15:50

CMS is looking forward: boosting CMS capability for forward physics in HL-LHC**Speaker**

Michael Pitt

15:50-16:10

PPS2: a new precision proton spectrometer for CMS at HL-LHC**Speaker**

Fabrizio Ferro

16:15

16:15

16:30

Tea break - available from 16:00 to 17:00**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

16:30

WG2 Small-x, diffraction and vector mesons**Session** | **Location:** Hotel Carlton, Sala SATURNO A, First Floor | **Convener:** Cristovao Fernandes Vilela

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**

Imanol Corredoira

18:10-18:30

Nucleon energy correlators at small x**Speaker**

Xuanbo Tong

18:30

16:30

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

16:30-16:50

System-size dependence of charged-particle nuclear suppression**Speaker**

Gian Michele Innocenti

16:50-17:10

Recent PHENIX Results on Production and Hadronization of Heavy Quarks in $p+p$ and $p+Au$ Collisions at RHIC**Speaker**

Rachid Nouicer

17:10-17:30

In medium evolution of the energy-energy correlators**Speaker**

Weiyao Ke

17:30-17:50

Nuclear Modification of Identified Hadrons in Small Collision Systems at RHIC

Speaker

Gabriel Garcia

17:50-18:10

Measurements of correlations between Z bosons or Υ mesons and inclusive charged particles in small systems with ATLAS

Speaker

Baidyanath Sahoo

18:10-18:30

Double quarkonium production in hadronic collisions at fixed-target experiments

Speaker

Carlo Flore

18:30

16:30

WG5 Spin and 3D-structure

Session | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Jan Matousek

16:30-16:50

Nucleon Tomography with 0-jettiness

Speaker

Shuo lin

16:50-17:10

Collins effect in pion-in-jet production in polarized pp and ep collisions

Speaker

Carlo Flore

17:10-17:30

Transverse momentum and azimuthal angle distributions of hadrons in DIS at COMPASS

Speaker

Vendula Benešová

17:30-17:50

Testing Factorization and Universality of the Collins Asymmetry with $p^{\uparrow} + \text{Au}$ Collisions at STAR

Speaker

Bassam Aboona

17:50-18:10

Dijet probes for initial state effects in p+A collisions at ATLAS

Speaker

Patrik Novotný

18:20

16:45

WG1 Structure functions and parton densities

Session | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Thomas Cridge

16:45-17:05

nCTEQ global analysis of nuclear PDFs

Speaker

Tomas Jezo

17:05-17:25

Impact of Open Heavy-Flavour Production on nCTEQ Nuclear PDFs**Speaker**

Jan Wissmann

17:25-17:45

Nuclear modifications on longitudinal-transverse structure function ratio in the deuteron**Speaker**

Shunzo Kumano

17:45-18:05

Nuclear modifications of parton distributions**Speaker**

Roberto Petti

18:05

16:45

WG3 Electro-weak physics/higgs/top and BSM: Flavor physics**Session** | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Ken Mimasu, Menglin Xu

16:45-17:05

Perturbative QCD Prediction of the Hyperon EDM from CP-violating Dipole Interactions (17'+3')**Speaker**

Xuanbo Tong

17:05-17:30

New physics searches in beam dump at NA62 (22'+3')**Speaker**

Daniel Grewe

17:30-17:55

New measurement of $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ branching ratio at the NA62 experiment (22'+3')**Speaker**

Tommaso Spadaro

17:55-18:15

Latest Results from the SND@LHC Experiment (17'+3')**Speaker**

Cemal Dinç

18:15-18:35

Charged-current semileptonic b-hadron decays at LHCb: precision tests with heavy-flavour QCD inputs (17'+3')**Speaker**

Sofia Zalambani

18:35-18:43

Simultaneous determination of the CKM angle γ and parameters related to mixing and CP violation in the charm sector at LHCb (8')**Speaker**

Alessandro Bertolin

19:10

16:45

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Federico Lasagni Manghi

16:45–17:05

Precision Timing with the CMS MIP Timing Detector for High-Luminosity LHC**Speaker**

Licheng Zhang

17:05–17:25

LUCID, the ATLAS luminosity detector in LHC Run-3 and its upgrade for HL-LHC**Speaker**

Vincent Hedberg

17:25–17:45

The ATLAS ITk Detector: design and expected performance**Speaker**

Hao Pang

17:45–18:05

Phase-II Physics Program of the AMBER Experiment at CERN**Speaker**

Andrea Bressan

18:05–18:13

Preliminary cooling tests for the ePIC Silicon Vertex Tracker Inner Barrel**Speaker**

Sabrina Ciarlantini

18:15

Wednesday 6 May

09:00

WG1 Structure functions and parton densities

Session | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Paul Newman

09:00–09:20

sPHENIX measurements of jet and isolated photon production in p+p collisions at RHIC

Speaker

Yeonju Go

09:20–09:40

Probing the Light-Quark Ratio via Forward-Backward Asymmetry

Speaker

Wenhao Ma

09:40–10:00

Recent hard and soft QCD measurements in ATLAS

Speaker

Zdenek Hubacek

10:00–10:20

Measurements of $W^+ + \gamma$ and $W^- + \gamma$ cross sections and their ratio in pp collisions at STAR

Speaker

Bernd Surrow

10:20–10:30

Strangeness in the proton from $W^+ + \gamma$ charm production and SIDIS data

Speaker

Wally Melnitchouk

10:30–10:40

Associated $W +$ charm production: indications for PDF analysis

Speaker

Ville Alanko

10:45

09:00

WG3 Electro-weak physics/higgs/top and BSM: Precision Measurements

Session | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Menglin Xu, Ken Mimasu

09:00–09:20

Z-plus-jet Production with JETHAD-DYnamis: Angular Structure, Polarization, and Fixed-Order Matching ($17'+3'$)

Speaker

Francesco Giovanni Celiberto

09:20–09:40

Electroweak corrections and theoretical uncertainties in the weak mixing angle determination at the LHC and HL-LHC ($17'+3'$)

Speaker

Mauro Chiesa

09:40–10:00

Improved extraction of the weak mixing angle from recent CMS forward-backward asymmetry measurements at 13 TeV with additional PDF constraints from W and Z measurements (17'+3')

Speaker

Hyon-San Seo

10:00–10:20

Towards two-loop EW corrections to the Drell-Yan process (17'+3')

Speaker

Simone Devoto

10:20–10:28

γ Z\$ Box at Low Energy (8')

Speaker

Balma Duch

10:45

09:00

WG4 QCD with Heavy flavours and Hadronic Final States

Session | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

09:00–09:20

NLO Corrections to Exclusive Heavy-Quarkonium Electroproduction in pQCD

Speaker

Chris Flett

09:20–09:40

Study of $\chi_{b1,2}(2P) \rightarrow \omega \Upsilon(1S)$ transitions in $\Upsilon(3S) \rightarrow \gamma \chi_{b1,2}(2P)$ decays at BABAR

Speaker

Antimo Palano

09:40–10:00

Internal structure of exotic hadron candidate $f_0(980)$ by using fragmentation functions

Speaker

Shunzo Kumano

10:00–10:20

Pentaquarks from Multimodal Fragmentation at NLL/NLO+

Speaker

Francesco Giovanni Celiberto

10:20–10:40

TQ4Q2.0 Fragmentation Functions for Fully Heavy Tetraquark Production

Speaker

Francesco Giovanni Celiberto

10:45

09:00

WG5 Spin and 3D-structure

Session | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Jan Matousek

09:00–09:20

Di-hadron fragmentation Functions beyond LO

Speaker

Luca Polano

09:20–09:40

Experimental Results on Di-Hadron Production**Speaker**

Nilanga Wickramaarachchi

09:40–10:00

Dependence of Transverse Single Spin Asymmetry on Number of Electromagnetic Contributors in a Jet**Speaker**

David Kapukchyan

10:00–10:08

Quark and gluon Sivers function in dijets at the EIC**Speaker**

Patricia Andrea Gutierrez Garcia

10:10–10:30

Tensor Polarization effects in Deep Inelastic Scattering off Spin-1 Target**Speaker**

Jing Zhao

10:30

09:00

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Domenico Elia

09:00–09:20

Precision (Anti)Neutrino Interaction Measurements with SAND at DUNE**Speaker**

Federico Battisti

09:20–09:40

Ongoing Development in a Proximity-Focusing RICH Detector for ePIC at the Electron-Ion Collider**Speaker**

Jihee Kim

09:40–10:00

A Straw Tracker for the FCC-ee Experiments**Speaker**

Can Suslu

10:00–10:20

Scintillator Strip Detector R&D for FCC-ee**Speaker**

Jiajin Ge

10:20–10:28

Two-photon interactions at the LHeC**Speaker**

Laurent Forthomme

10:30

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

Coffee break - available from 10:30 to 11:30**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy**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

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Matteo Cerutti

11:00-11:20

Tensor-polarized twist-3 distribution function f_{LT} of spin-1 deuteron**Speaker**

Kenshi Kuroki

11:20-11:40

Coherent deeply virtual Compton scattering on Helium-4 beyond leading twist approximation.

	Speaker Jakub Wagner
11:40-12:00	Resummed Power Corrections in Nuclear DVCS Speaker Ivan Vitev
12:00-12:20	Accessing GPDs via Deeply Virtual Exclusive Processes at CLAS12 Speaker Story Frantzen
12:20-12:40	First measurement of the DVCS beam spin asymmetry in the Sullivan process Speaker Elouan Ferrand
12:40-13:00	Probing Nucleon GPDs at CLAS12: Neutron DVCS and Λ Transverse Polarization Speaker Li XU

13:00

11:00

WG6 Current upgrades and future experiments Session Location: Hotel Carlton, Sala GIOVE B, Ground Floor Convener: Boxing Gou	
11:00-11:20	Developments and Performance of ATLAS Electron and Photon Triggers in Run 3 Speaker Timoty Duong
11:20-11:40	The upgrade of the ATLAS Trigger and Data Acquisition system for the High Luminosity LHC Speaker Kazuki Todome
11:40-12:00	Energy recovery linacs: from PERLE to the LHeC Speaker Achille Stocchi
12:00-12:20	Design and development status of Silicon Vertex Tracker for ePIC experiment Speaker Domenico Colella
12:20-12:28	Quantum Tomography for Collider Physics: From Data-Driven Foundations to AI-Enhanced Methods Speaker Daniel Tapia Takaki
12:28-12:36	The ATLAS Forward Proton Time-of-Flight Detector System

12:45

Speaker
Viktoria Lysenko

11:15

WG3 Electro-weak physics/higgs/top and BSM: Higgs Physics

Session | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** René Poncelet, Supriya Sinha

11:15-11:35 LHCb Run 3 low-mass Drell-Yan and EW measurements (22'+3')

Speaker
Alisha Lightbody

11:35-11:55

Parton-shower and fixed-order QCD effects in Higgs boson production in weak-boson fusion and its decays to bottom quarks (17'+3')

Speaker
Arnd Behring

11:55-12:15

Higgs coupling and properties at CMS (17'+3')

Speaker
Océane Poncet

12:15-12:35

Electroweak corrections to Higgs+jet production (17'+3')

Speaker
Haitao Li

12:35-12:45

Data-driven estimation of fake τ -lepton background in the $H^\pm \rightarrow \tau \nu$ search with ATLAS Run-II data. (8')

Speaker
Monika Juzek

13:00

11:15

WG4 QCD with Heavy flavours and Hadronic Final States

Session | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

11:15-11:35

Multiplicative NLO matching in DIS with Pythia 8

Speakers
Ilkka Helenius, Joni Laulainen

11:35-11:55

New techniques for reconstructing and calibrating hadronic objects with ATLAS

Speaker
Kiran Farman

11:55-12:15

Recent Jet Substructure Measurements at LHCb

Speaker
Lorenzo Sestini

12:15-12:35

Measurement of transverse polarization of Λ / Λ^- inside jets in unpolarized p+p and p+Au collisions at RHIC

Speaker
Xiaohui Liu

13:00

12:35-12:55 Recent jet measurements in CMS**Speaker**

Leyun Gao

11:30

WG1 Structure functions and parton densities**Session** | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Thomas Gehrmann**11:30-11:50****NPC fragmentation functions and calculations of SIDIS at N3LO in QCD****Speaker**

Jun Gao

11:50-12:10**COMPASS colinear multiplicities on proton and deuteron targets****Speaker**

Marcin Stolarski

12:10-12:30**Hadronization Dynamics in the Nuclear Medium: Preliminary Insights from the CLAS12 RGE Experiment at Jefferson Lab****Speaker**

Hayk Hakobyan

12:30-12:50**Towards NNFF2.0****Speaker**

Tanishq Sharma

12:50

13:00

Lunch break**Break** | **Location:** Sale PLUTONE e GALASSIA, Ground Floor

14:30

14:30

WG1 Structure functions and parton densities**Session** | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Pavel Nadolsky**14:30-14:50****Precise predictions for semi-Inclusive DIS****Speaker**

Thomas Gehrmann

14:50-15:10**Taking dimuon production in DIS to NNLO precision****Speaker**

Sami Yrjänheikki

15:10-15:30**Electroproduction structure function F2 in the low Q2, low x region - an update****Speaker**

Barbara Badelek

15:30-15:50**New results on small-x resummation for splitting functions****Speaker**

Marco Bonvini

15:50

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

14:30

WG3 Electro-weak physics/higgs/top and BSM: Higgs Physics & BSM**Session** | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Supriya Sinha, René Poncelet

14:30-14:50

Search for rare decay of SM Higgs to light scalars in the CMS experiment ($17'+3'$)**Speaker**

Fengwangdong Zhang

14:50-15:10

ATLAS Searches for new scalars & BSM Higgs decays ($17'+3'$)**Speaker**

Monica Verducci

15:10-15:30

Di-Higgs Production via gluon fusion in HEFT and SMEFT ($17'+3'$)**Speaker**

Konstantin Schmid

15:30-15:50

Probing Electroweak Interactions and Beyond the Standard Model Physics at Belle II ($17'+3'$)**Speaker**

Angelo Di Canto

15:50-16:10

Results on photon-photon scattering processes in ultra-peripheral Pb+Pb collisions with ATLAS ($17+3'$)**Speaker**

Lydia Beresford

16:15

14:30

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

14:30–14:50

New precise measurement of $e^+e^- \rightarrow \pi^+\pi^-$ with BABAR for muon g-2 prediction**Speaker**

Isabella Garzia

14:50–15:10

Monte Carlo event generator tuning in the CMS experiment**Speaker**

Mehmet Umut Ozyurda

15:10–15:30

NNLO QCD corrections to event shapes in di-photon production at the LHC**Speaker**

Weijie Feng

15:30–15:50

Light and charmed meson fragmentation measurements at Belle/BelleII**Speaker**

Ralf Seidl

15:50–16:10

Open Discussion

16:15

14:30

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Tyler Kutz

14:30–14:50

Precise measurement of the neutron d_2 **Speaker**

Minho Kim

14:50–15:10

Projected High Precision Measurements on the Spin Structure g_1 for the Proton and the Neutron at EIC**Speaker**

Win Lin

15:10–15:30

Global QCD analysis of spin PDFs in the proton with high- x and lattice constraints**Speaker**

Wally Melnitchouk

15:30–15:50

Accessing nucleon transversity with one-point energy correlators**Speaker**

Wanchen Li

15:50–16:10

Polarized Scattering at NLO+PS Accuracy in the POWHEG BOX**Speaker**

Ignacio Borsa

16:15

14:30

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Federico Lasagni Manghi

14:30–14:50

Antiproton production measurement for indirect Dark Matter search at the AMBER experiment at CERN**Speaker**

Davide Giordano

14:50–15:10

Ultimate achievable precision from past and future DIS measurements**Speaker**

Katarzyna Wichmann

15:10–15:30

Higgs and BSM physics at the LHeC**Speaker**

Néstor Armesto

15:30–15:50

Probing Cosmic Ray Composition and Muon-philic Dark Matter using GeV Muon sources**Speaker**

Leyun Gao

15:50–15:58

ePIC PID performance in SIDIS processes at the Electron-Ion Collider**Speaker**

Lorenzo Polizzi

16:00

16:15

Tea break - available from 16:00 to 17:00**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

16:30

16:30

WG1 Structure functions and parton densities**Session** | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Aurore Courtoy

16:30–16:50

Theoretical Uncertainties on the determination of the strong coupling from Z pT**Speaker**

Thomas Cridge

16:50–17:00

A simultaneous determination of $\alpha_s(m_Z)$ and m_t from a global PDF analysis**Speaker**

Jaco ter Hoeve

17:00–17:10

Interplay of α_s , m_t and gluon parametrization in CT PDF extractions**Speaker**

Tanishq Sharma

17:10–17:30

Impact of PVDIS on the weak mixing angle and high- x parton distributions

Speaker

Richard Whitehill

17:30–17:50

Optimization of factorization scale in QED Drell-Yan-like processes**Speaker**

Andrej Arbuzov

17:50–18:10

Two-Loop DGLAP Splitting Functions from Light Cone Perturbation Theory**Speaker**

Mikko Seppälä

18:10–18:30

QED Effects in PDFs**Speaker**

Thomas Cridge

18:30

16:30

WG2 Small-x, diffraction and vector mesons**Session** | **Location:** Hotel Carlton, Sala SATURNO A, First Floor | **Convener:** Michael Pitt

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**

Pry 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 $q\bar{q}g$ contribution in exact kinematics**Speaker**

Abhiram Kaushik Badrinarayanan

18:10–18:30

Small-x Factorization in the Target Fragmentation Region of DIS**Speaker**

Paul Caucal

18:35

16:30

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Domenico Elia

16:30–16:50

Run-3 Performance of the ATLAS Muon Spectrometer and Upgrades for the High-Luminosity LHC

Speaker

Gabriella Gaudio

16:50–17:10

Progress of the Super Tau Charm Facility project in China**Speakers**

Jinlong Zhang, Wenbiao Yan, Xingtao Huang

17:10–17:30

MUSIC: a detector concept for 10 TeV $\mu^+\mu^-$ collisions**Speaker**

Lorenzo Sestini

17:30–17:38

The ePIC-dRICH streaming readout system**Speaker**

Sandro Geminiani

18:15

16:45

WG3 Electro-weak physics/higgs/top and BSM: BSM Physics**Session** | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** René Poncelet, Supriya Sinha

16:45–17:10

Searches for heavy and vector-like fermions, and leptoquarks with the ATLAS and CMS experiments (22'+3')**Speaker**

Carlo Di Fraia

17:10–17:30

Dark sector searches at LHCb (17'+3')**Speaker**

Andrii Usachov

17:30–17:55

Searches for Long-lived Particles, Exotic Heavy Resonances and Dark Matter with the ATLAS detector (22'+3')**Speaker**

James Smith

17:55–18:20

Searches for Supersymmetry at the ATLAS and CMS experiments (22'+3')**Speaker**

Yuchen Cai

18:50

16:45

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

16:45–17:05

Recent B-Physics Results from ATLAS**Speaker**

Ondrej Kovanda

17:05–17:25

Dead cone measurement in b-jets at CMS**Speaker**

Andris Potrebko

17:25-17:45

Heavy-quark production in deep-inelastic scattering - Mellin moments of structure functions**Speaker**

Marco Klann

17:45-18:05

Unraveling QCD dynamics with heavy quark energy correlators**Speaker**

Ivan Vitev

18:05-18:13

Heavy-quark contributions to the DIS structure functions F_4 and F_5 at NLO in the ACOT scheme**Speaker**

Tomas Jezo

18:15-18:30

Open Discussion

18:30

16:45

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Jan Matousek

16:45-17:05

PHENIX-Spin Highlights and Recent Results**Speaker**

Alexander Bazilevsky

17:05-17:25

sPHENIX Measurement of Neutral Meson, Photon and inclusive Jet Transverse Single Spin Asymmetries**Speaker**

Ralf Seidl

17:25-17:45

Extraction of genuine twist-3 distribution from data**Speaker**

Alexey Vladimirov

17:45-18:05

Probing the Eikonal Spin-Dependent Odderon: Challenges and Opportunities for the gluon Sivers function**Speaker**

Florian Hechenberger

18:05-18:13

Matching relations for gluon TMDs up to one-loop accuracy**Speaker**

Alessio Carmelo Alvaro

18:15

20:00

22:00

Social dinner**Break** | **Location:** Palazzo Isolani, Via Santo Stefano 16 - 40125 Bologna

Thursday 7 May

09:00

WG1 Structure functions and parton densities

Session | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Marco Bonvini

09:00–09:20

Studies of N³LO corrections and resummation scale uncertainties in fits to DIS data using xFitter

Speaker

Francesco Giuli

09:20–09:40

Toward N³LO CT global PDF analyses: GMVFN schemes and DGLAP evolution in QCD

Speaker

Marco Guzzi

09:40–10:00

MSHT N³LO PDF update

Speaker

Thomas Cridge

10:00–10:20

The four-loop non-singlet splitting functions

Speaker

Vasily Sotnikov

10:20

09:00

WG3 Electro-weak physics/higgs/top and BSM: EFT

Session | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** René Poncelet, Supriya Sinha

09:00–09:20

EFT measurements in ATLAS (17'+3')

Speaker

Lydia Brenner

09:20–09:40

Global fits at future colliders with the SMEFiT framework (17'+3')

Speaker

Marion Thomas

09:40–10:00

Global SMEFT Fits Beyond Leading Order: RGE and NLO impact (17'+3')

Speaker

Riccardo Bartocci

10:00–10:08

Fit of Four-Fermion Operators through Drell-Yan data (8')

Speaker

Martina Fusi

10:08–10:16

PDF and BSM interplay in the top and Drell-Yan sector (8')

Speaker

Ella Cole

10:30

09:00

WG4 QCD with Heavy flavours and Hadronic Final States**Session** | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

09:00–09:20

High-precision QCD physics at FCC-ee**Speaker**

Giovanni Stagnitto

09:20–09:40

Classifying hadronic objects in ATLAS with ML/AI algorithms**Speaker**

Alex Sopio

09:40–10:00

Four-jet production at electron-positron colliders at NNLO**Speaker**

Matteo Marcoli

10:00–10:20

Multiplicity distributions in QCD jets and jet topics**Speaker**

Bin Wu

10:20–10:28

Jet energy scale and resolution calibration from hadronically decaying W boson in $t\bar{t}$ events in ATLAS**Speaker**

Adriana Dohnalová

10:30–10:45

Open discussion

10:45

09:00

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Matteo Cerutti

09:00–09:20

Update on transverse-spin azimuthal asymmetries in single-hadron SIDIS on transversely polarised deuterons at COMPASS**Speaker**

Artur Hovhannisyan

09:20–09:28

Update of transverse-spin azimuthal asymmetries for K^0 production in SIDIS**Speaker**

Siranush Asatryan

09:30–09:50

Exploring the Deep Infrared Behavior of QCD through Transverse Momentum Dependent Distributions**Speaker**

Andrea Simonelli

09:50–10:10

The Drell-Yan structure functions in k_T factorization**Speaker**

Jan Ferdyan

10:10-10:30

Low-invariant-mass Drell-Yan transverse-momentum spectra: resummation and non-perturbative effects**Speaker**

Lorenzo Rossi

10:30-10:50

TMD evolution and intrinsic transverse momentum in Monte Carlo generators**Speaker**

Louis Moureaux

10:50

09:00

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Boxing Gou

09:00-09:20

Commissioning the sPHENIX detector with proton and nuclear beams**Speaker**

Charles Hughes

09:20-09:40

Accelerating event generation for the HL-LHC and future collider programmes**Speaker**

Enrico Bothmann

09:40-10:00

Tensor Structure Functions of the Deuteron in SIDIS Experiments**Speaker**

Hector Almanzor Chinchay Espino

10:00-10:20

The G-RWELL Endcap Tracker of the ePIC Experiment**Speaker**

Stefano Gramigna

10:20-10:28

Higgs physics at the Muon Collider with a detailed detector simulation**Speaker**

Imran Raghieb Xxx

10:30

09:20

WG2 Small-x, diffraction and vector mesons**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

10:45

Coffee break - available from 10:30 to 11:30**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

11:00

11:00

WG1 Structure functions and parton densities**Session** | **Location:** Hotel Carlton, Sala IMPERIALE A, First Floor | **Convener:** Francesco Giuli

11:00-11:20

FPPDF: an Open Source Tool for Extracting Parton Distribution Functions (PDFs) in the Hessian approach and its application to N3LO PDFs**Speaker**

Tommaso Giani

11:20-11:40

Proton structure at the LHC with neural simulation-based inference**Speaker**

Robert Schoefbeck

11:40-12:00

Model-Independent Determination of Proton Structure Functions at the Electron-Ion Collider**Speaker**

Javier Jiménez-López

12:00-12:20

Inclusive electron-proton measurement prospects in the Electron-Ion Collider early science stage**Speaker**

Stephen Maple

12:20-12:40

Toward Precision Helicity PDFs from Global DIS and SIDIS Fits with Projected EIC Measurements**Speaker**

Hamzeh Khanpour

12:40-13:00

Asymmetric soft resummation of Semi-Inclusive Deep Inelastic scattering**Speaker**

Francesco Ventola

13:00-13:10

Discussion

13:10

11:00

WG3 Electro-weak physics/higgs/top and BSM: LLPs & Future Colliders**Session** | **Location:** Hotel Carlton, Sala SATURNO B, First Floor | **Conveners:** Supriya Sinha, René Poncelet

11:00-11:20

Perspectives for studies of the HET physics at the muon-hadron collider at CERN (17'+3')**Speaker**

Hamzeh Khanpour

11:20-11:40

Probing light-quark dipole operators with nucleon energy correlators (17'+3')**Speaker**

Yingsheng Huang

11:40-12:00

The SHiP/NA67 experiment at the ECN3 high-intensity beam facility at the CERN SPS (17'+3')**Speaker**

Guglielmo Frisella

12:00-12:20

Results from muon object performance with the ATLAS experiment at the LHC using Run-3 proton-proton collision data**Speaker**

Volker Austrup

12:20-12:40

Displaced Muons in CMS: Performance and Applications in LLP Physics (17'+3')**Speaker**

Marco Cruciani

13:00

11:00

WG6 Current upgrades and future experiments**Session** | **Location:** Hotel Carlton, Sala GIOVE B, Ground Floor | **Convener:** Lesya Shchutka

11:00-11:20

Transition Radiation Detector Upgrade for the GlueX-III Charmonium Program**Speaker**

Lauren Kasper

11:20-11:28

Calibration and performance of the ATLAS Tile Calorimeter**Speaker**

Martina Cucinotta

11:28-11:48

ATLAS Tile Calorimeter Phase-II Upgrade: Current Status and its Demonstrator Module**Speaker**

Sonakshi Ahuja

11:48-11:56

Probing Radiation Damage in SiPMs with Emission Microscopy**Speaker**

Ludovica Rainero

12:45

11:15

WG2 Small-x, diffraction and vector mesons

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

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 Goslawski, 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

Speaker

Paul Caucal

13:00

11:15

WG4 QCD with Heavy flavours and Hadronic Final States

Session | **Location:** Hotel Carlton, Sala GIOVE A, Ground Floor

11:15-11:35

Multi-Particle Final State in DIS on Nuclei with BeAGLE++

Speaker

Win Lin

11:35-11:55

Probing jet quenching in the QGP using inclusive and semi-inclusive charged-particle jet measurements with ALICE at the LHC

Speaker

Marielle Chartier

11:55-12:15

Heavy-Flavor Studies with the ePIC Experiment at the Electron-Ion Collider

Speaker

Domenico Elia

12:15-12:23

Light (Anti)Nuclei Production via Coalescence in Electron-Proton Collisions: from HERA to EIC

Speaker

Niccolò Ciavarelli

13:00

12:25-12:45 **Open Discussion**

11:15

WG5 Spin and 3D-structure**Session** | **Location:** Hotel Carlton, Sala IMPERIALE B. | **Convener:** Tyler Kutz

11:15-11:35

Transverse Spin Dependent Azimuthal Correlations of Charged hadron pairs in $p^{\uparrow}p$ Collisions at $\sqrt{s} = 200$ GeV at STAR**Speaker**

Anuja khanal

11:35-11:55

Measurement of Lambda hyperons spin correlation in pp and pPb collisions at CMS**Speaker**

Jieke Wang

11:55-12:15

Hyperon polarization in deep inelastic scattering**Speaker**

Albi Kerbizi

12:15-12:35

Probing the hadronization of polarized parton at unpolarized hadron colliders**Speaker**

Wen-Hao Yao

12:35-12:55

Spin-Spin entanglement in exclusive heavy quark-antiquark pair production**Speaker**

Michael Fucilla

13:00

13:00

IAC meeting**Session** | **Location:** Hotel Carlton, Sala INGLESE Ground Floor

14:00

13:00-14:00

DIS 2026 IAC meeting

13:00

Lunch break**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

14:30

15:30

Excursion**Break** | **Location:** City Centre, Meeting point: Corte de Galluzzi, 13/a

18:30

Friday 8 May

09:00

Plenary 5

Session | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Néstor Armesto

09:00–09:30 The EPPS proposal and LHeC perspectives

Speakers

Jorgen D'Hondt, Jorgen D'Hondt

09:30–10:00 EIC: physics, status and perspectives

Speaker

John Lajoie

10:00–10:30 Outreach: social aspects in high energy physics

Speaker

Anja Kranjc Horvat

10:30

10:30

Coffee break

Break | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy

11:00

11:00

Plenary 6

Session | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy | **Convener:** Halina Abramowicz

11:00–11:30 An homage to Antonino Zichichi

Speaker

Luisa Cifarelli

11:30–12:10 Altarelli Prize ceremony

Speaker

Fredrick Olness

Subcontributions

Introduction and presentation of the winners

Speaker

Fredrick Olness

Altarelli Prize 2026 (theory)

Altarelli Prize 2026 (experimental)

12:10

12:10

Plenary 7: Reports from Working Groups

Session | **Location:** Hotel Carlton, Sala IMPERIALE | **Convener:** Juan Terron Cuadrado

12:10–12:35 Report WG1: Structure Functions and Parton Densities

13:00

Speakers

Alberto Accardi, Claire Gwenlan, Klaus Rabbertz

13:00

12:35–13:00

Report WG5: Spin and 3D Structure**Speakers**

Jan Matousek, Matteo Cerutti, Tyler Kutz

14:15

14:15

Lunch break**Break** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy**Plenary 8: Reports from Working Groups****Session** | **Location:** Hotel Carlton, via Milazzo 6, Bologna, Italy | **Convener:** Marta Ruspa

14:15–14:40

Report WG4: QCD with Heavy Flavors and Hadronic Final States**Speakers**

Cynthia Hadjidakis, Lucilla Lanza, Melissa Van Beekveld

14:40–15:05

Report WG3: Electroweak Physics and Beyond the Standard Model**Speakers**

Ken Mimasu, Menglin Xu, René Poncelet, Supriya Sinha

15:05–15:30

Report WG6: Current Upgrades and Future Experiments**Speakers**

Boxing Gou, Domenico Elia, Lesya Shchutska

15:30–15:55

Report WG2: Small-x, Diffraction and Vector Mesons**Speakers**

Cristovao Fernandes Vilela, Jani Penttala, Michael Pitt

15:55

15:55

Closing session**Session** | **Location:** Sala IMPERIALE, Hotel Carlton

15:55–16:05

DIS2025 Best Student Talk Awards**Speaker**

Francesca Bellini

Location

Sala IMPERIALE, Hotel Carlton

16:05–16:20

Report from the IAC**Speakers**

Aharon Levy, Paul Newman

Location

Hotel Carlton, Sala IMPERIALE

16:20–16:35

Closing remarks**Speaker**

Pietro Antonioli

Location

Hotel Carlton, Sala IMPERIALE

17:00