

Session Program

4-8 May 2026



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

WG6 Current upgrades and future experiments

Hotel Carlton
via Milazzo 6, Bologna, Italy

Tuesday 5 May

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

Dr Francesco Giuli

09:40-10:00 **A detector for top energy DIS**

Speaker

Dr 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

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

Prof. 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
Dr Matteo Cerutti

12:56

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

16:45

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

Prof. 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

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

11:00

WG6 Current upgrades and future experiments

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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
Prof. Daniel Tapia Takaki

12:28–12:36 **The ATLAS Forward Proton Time-of-Flight Detector System**

Speaker
Viktoriiia Lysenko

12:45

14:30

WG6 Current upgrades and future experiments

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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
Mr Leyun Gao

15:50–15:58 **ePIC PID performance in SIDIS processes at the Electron-Ion Collider**

Speaker
Lorenzo Polizzi

16:00

16:30

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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, Prof. 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

Thursday 7 May

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 Raghob Xxx

10:30

11:00

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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