Session Program

Apr 8 – 12, 2024

31st International Workshop on Deep Inelastic Scattering

WG6

Maison MINATEC, Grenoble, FRANCE
3 Parv. Louis Néel, 38054 Grenoble

Tue, April 9

9:00 AM

WG6: Future Experiments 1

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

9:00 – 9:25 AM **ATLAS upgrades for High Luminosity LHC**

Speaker
Oleg Solovyanov

9:25 – 9:50 AM **Overview of the Phase-2 upgrade of CMS detector**

Speaker
Arnab Purohit

9:50 – 10:15 AM **The LHCb Upgrade II**

Speaker
Xuhao Yuan

10:15 – 10:40 AM **Overview of ALICE Upgrades**

Speaker
Rachid Guernane

10:40 – 11:10 AM **Coffee Break**

11:10 – 11:30 AM **Higgs self-coupling at the FCC-hh**

Speaker
Elisabetta Gallo

11:30 – 11:50 AM
Physics Potential, Accelerator Options, and Experimental Challenges of a TeV-Scale Muon-Ion Collider

Speaker
Wei LI

11:50 AM – 12:10 PM **The progress of Super Tau Charm Facility in China**

Speakers
Jianbei Liu, Jianbei Liu

12:30 PM

2:00 PM

WG6: Future Experiments 2

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

2:00 – 2:20 PM
ALICE Forward Calorimeter upgrade (FoCal): Physics program and performance

Speaker
Laura Huhta

2:20 – 2:40 PM **Future Physics with CMS detector at HL-LHC**

Speakers
Jyothsna Rani Komaragiri, Jyothsna Rani Komaragiri

2:40 – 3:00 PM **ATLAS ITk Pixel Detector Overview**

Speaker
Ali Skaf

3:00 – 3:20 PM **Expected performance of the ATLAS ITk detector for HL-LHC**

Speaker
Yassine El Ghazali

3:20 – 3:40 PM **The ATLAS ITk Strip Detector System for the Phase-II LHC Upgrade**

Speaker
Elizaveta Sitnikova

3:40 – 4:20 PM **Coffee Break**

4:20 – 4:40 PM
Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC

Speaker
Oleg Solovyanov

4:40 – 5:00 PM
Technical challenges and performance of the new ATLAS LAr Calorimeter Trigger

Speaker
Emilien Chapon

5:00 – 5:20 PM
Machine Learning for Real-Time Processing of ATLAS Liquid Argon Calorimeter Signals with FPGAs

Speaker
Johann Christoph Voigt

5:20 – 5:40 PM
Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC

Speaker
Elena Mazzeo

5:40 – 6:00 PM
Upgraded Lucid and Zero Degree Calorimeter Detectors for ATLAS at the High Luminosity LHC

Speaker
Antonio Sbrizzi

6:00 PM

Wed, April 10

9:00 AM

WG6: Future Experiments 3

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

9:00 – 9:20 AM

A New Era of Discovery: The 2023 Long Range Plan for Nuclear Science

Speaker
Ian Cloet

9:20 – 9:40 AM

SoLID: A Detector at the Luminosity Frontier.

Speaker
Dr Zein-Eddine Meziani

9:40 – 10:00 AM

The CLAS12 luminosity upgrade and future physics opportunities

Speaker
Mariangela Bondì

10:00 – 10:20 AM

Status and Prospects of the Electron-ion collider in China

Speaker
Prof. Qinghua Xu

10:20 – 10:40 AM

Overview of the ePIC Detector

Speaker
Shujie Li

10:40 – 11:00 AM

Coffee Break

11:00 – 11:20 AM

Particle Identification with the ePIC detector at the EIC

Speaker
Chandradoy Chatterjee

11:20 – 11:40 AM

Silicon Vertex Tracker for the ePIC experiment at the Electron-Ion Collider

Speaker
Gian Michele Innocenti

11:40 AM – 12:00 PM

Physics Perspectives with the ePIC Far-Forward and Far-Backward detectors

Speaker
Michael Pitt

12:00 – 12:20 PM

Calorimetry for the ePIC Experiment

Speaker
Henry Klest

12:20 – 12:40 PM

A 2nd Detector for the Electron-Ion Collider

Speaker
Pawel Nadel-Turonski

12:40 PM

2:00 PM

WG6: Joint WG3-WG6

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

2:00 – 2:20 PM **Backward DVCS on the pion in Sullivan processes**

Speaker
Abigail Castro

2:20 – 2:40 PM
The general-purpose LHeC and FCC-eh high-energy precision programme: Top and EW measurements

Speaker
Nestor Armesto

2:40 – 3:05 PM
Searches for new physics at the LHeC and FCC-eh+ Higgs precision Higgs physics in electron–proton scattering at CERN

Speaker
Bruce Mellado

3:05 – 3:25 PM **High energy $\gamma\gamma$ interactions at the LHeC**

Speaker
Hamzeh Khanpour

3:25 – 3:50 PM **Coffee Break**

3:50 – 4:10 PM **Overview of the MOLLER experiment at JLab**

Speaker
Kent Paschke

4:10 – 4:30 PM **Parity Quality Electron Beam for the MOLLER Experiment**

Speaker
Caryn Palatchi

4:30 – 4:50 PM **Long-lived particle searches with the ILD experiment**

Speaker
Jan Klamka

4:50 PM

5:05 PM

WG6: Joint WG1-WG6

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

5:05 – 5:25 PM **Proton and nuclear structure from EIC and HERA to LHeC and FCC-eh**

Speaker
Prof. Amanda Cooper-Sarkar

5:25 – 5:45 PM
Impact of Inclusive Electron Ion Collider Data on Collinear Parton Distributions

Speaker
Katarzyna Wichmann

6:35 PM

5:45 – 6:05 PM **Extraction of the strong coupling with HERA and EIC inclusive data**

Speaker
Katarzyna Wichmann

Thu, April 11

9:00 AM

WG6: Future Experiments 5

Session | **Location:** Maison MINATEC, Grenoble, FRANCE, 3 Parv. Louis Néel, 38054 Grenoble

9:00 – 9:20 AM

Strong Interaction Physics at the Luminosity Frontier with 22 GeV Electrons at Jefferson Lab

Speaker
Cynthia Keppel

9:20 – 9:40 AM **Jefferson Lab's Planned Positron Physics Program**

Speaker
Holly Szumila-Vance

9:40 – 10:00 AM **Status of the Ce+BAF upgrade**

Speaker
Yves Roblin

10:00 – 10:20 AM **The NuPECC Long Range Plan 2024**

Speaker
Carlos Munoz Camacho

10:20 – 10:40 AM

The LHeC and FCC-eh experimental program +A detector for future DIS at the energy frontier

Speaker
Paul Newman

10:40 – 11:00 AM **Coffee Break**

11:00 AM