DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects

Tuesday, 28 March 2023

WG6: Future Experiments 1 - chairs: Kondo Gnanvo - Rachel Montgomery - 106 (09:00 - 12:30)

-Conveners: Claudia Gemme; Alexander Savin; Kondo Gnanvo; Claudia Gemme

[id] title	presenter
[333] Overview of the ePIC Detector	MILNER, Richard
[148] Particle Identification with the EPIC detector at the EIC	PREGHENELLA, Roberto
[243] High-performance DIRC detector for the future Electron-Ion Collider	WICKRAMAARACHCHI, Nilanga
[272] Luminosity measurement at the HL-LHC with the ATLAS detector: Strategy and prototyping	RIPELLINO, Giulia
Coffee break	
[50] Upgrade of ATLAS Hadronic Tile Calorimeter for the High Luminosity LHC	TAREK, Ahmed
[131] A joint ep/pp interaction region and detector at the LHC and the FCC	NEWMAN, Paul Richard
[130] A detector for top energy DIS	NEWMAN, Paul Richard
[84] ATLAS ITk Pixel Detector Overview	VERNIERI, Caterina
[24] The ATLAS ITk Strip Detector for the Phase-II LHC Upgrade	SCIOLLA, Gabriella
[276] A Future Muon-Ion Collider at Brookhaven National Laboratory	CLINE, Ethan
	[333] Overview of the ePIC Detector [148] Particle Identification with the EPIC detector at the EIC [243] High-performance DIRC detector for the future Electron-Ion Collider [272] Luminosity measurement at the HL-LHC with the ATLAS detector:

WG6: Future Experiments 2 - Chairs: Kondo Gnanvo - Caterina Vernieri - 106 (14:00 - 18:30)

-Conveners: Kondo Gnanvo; Claudia Gemme; Alexander Savin; Claudia Gemme

time	[id] title	presenter
14:00	[211] Advanced Methods for Roman Pots Reconstruction at the EIC	RUTH, David
14:20	[9] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	ANDEEN, Timothy Robert
14:40	[171] Upgrade of the ATLAS Muon Drift Tube Front-end Electronics for HL-LHC Runs	HU, Xueye HU, Xueye
15:00	[10] Machine Learning for Real-Time Processing of ATLAS Liquid Argon Calorimeter Signals with FPGAs	Mr CHIEDDE, Nemer
15:20	[5] A new Scattering and Neutrino Detector at the LHC (SND@LHC)	IULIANO, Antonio
15:40	[302] Latest Neutrino Oscillation Results from the IceCube Experiment	MAYHEW, Finn
16:00	Coffee break	
16:30	[123] Towards high-current multi-turn energy recovery: status of PERLE/cancelled/	KAABI, Walid
16:50	[202] The Light Dark Matter eXperiment, LDMX	SOLT, Matthew
17:10	[23] LUXE: A new experiment to study non-perturbative QED in electron-laser and photon-laser collisions	ABRAMOWICZ, Halina

17:30 [347] The Far-Forward Detectors and Exclusive Physics Program at the Future Electron-Ion Collider

Dr JENTSCH, Alex JENTSCH, Alexander

Wednesday, 29 March 2023

WG6: Future Experiments 3 - chairs: Claudia Gemme - Roberto Preghenella - 106 (08:40 - 12:30)

-Conveners: Alexander Savin; Claudia Gemme; Kondo Gnanvo; Claudia Gemme

time	[id] title	presenter
08:40	[113] Polarized internal target experiments with the EIC beams	WOJTSEKHOWSKI, Bogdan
09:00	[224] Neutrino Physics Needs a New Generation of Bubble Chambers with Light Nuclear Targets	RAMSON, Bryan
09:20	[291] Future Experiments of Coherent J/\$\psi\$ Electro-production off \$^4\$He	Dr PENG, Chao PENG, Chao PENG, Chao
09:40	[290] Probing Light Meson Structure via Tagged Deep Inelastic Scattering	MONTGOMERY, Rachel
10:00	[8] ATLAS LAr Calorimeter Commissioning for LHC Run-3.	LU, Miaoran
10:20	Coffee break	
10:50	[36] Redefining Performance: New Techniques for ATLAS Jet & MET Calibration	BOUCHHAR, Naseem
11:10	[37] Improving ATLAS Hadronic Object Performance with ML/AI Algorithms	HODKINSON, Benjamin Haslum
11:30	[35] Results from muon reconstruction performance with ATLAS at Run-3	YAN, Siyuan
11:50	[308] CMS trigger performance in Run 2 and Run 3	DE SOUZA LEMOS, Dener
12:10	[307] CMS detector: Run 3 status and plans for Phase2	MOROVIC, Srecko

Thursday, 30 March 2023

WG6: Figure experiments 4 - Chairs: Claudia Gemme - Vladimir Rekovic - 106 (09:00 - 12:30)

-Conveners: Huey-Wen Lin; Kondo Gnanvo; Claudia Gemme; Claudia Gemme; Alexander Savin

time	[id] title	presenter
09:00	[109] DDVCS as a window to the complete mapping of GPDs	MARTINEZ, Victor
09:20	[175] Accessing gluon polarization in large-\$P_T\$ SIDIS	WHITEHILL, Richard
09:40	[273] Nucleon Spin Structure with SoLID-SIDIS Program	Dr PENG, Chao PENG, Chao PENG, Chao
10:00	[284] SoLID PVDIS at JLab 12 GeV	TIAN, Ye
10:20	Coffee break	
10:50	[288] A Precision Measurement of Inclusive \$g^{n}_{2}\$ and \$d^{n}_{2}\$ with SoLID on a Polarized \$^{3}\$He Target at \$8.8\$ and \$11\$ GeV	TIAN, Ye
11:10	[127] Top and EW studies at the LHeC and FCC-he	LEE, Sook Hyun LEE, sookhyun
11:30	[252] Dependence of the top-quark mass measured in top-quark pair production on the parton distribution functions at the LHC and future colliders	GOMBAS, Jason P.
11:50	[122] Status and challenges of the LHeC and the FCC-he	ARMESTO PEREZ, Nestor
12:00	[129] BSM at the LHeC and FCC-he	ARMESTO PEREZ, Nestor
12:10	[185] Impacts on the pion PDFs using the Sullivan process in future facilities	BARRY, Patrick

WG6: Future Experiments 5 - Chairs: Alexander Savin - Chao Peng - 106 (14:00 - 17:50)

-Conveners: Alexander Savin; Kondo Gnanvo; Claudia Gemme; Claudia Gemme
time [id] title

time	[id] title	presenter
14:00	[145] Imaging Cold Nuclear Matter with Energy Correlators at the future EIC	FAN, Wenqing
14:20	[246] DVCS study towards EIC	KOROVER, Igor
14:40	[275] Extracting the partonic structure of colourless exchanges at the Electron-Ion Collider	STASTO, Anna Maria ARMESTO PEREZ, Nestor NEWMAN, Paul Richard
15:00	[281] Precision Electroweak Measurements and Beyond the Standard Model Searches at the Electron-Ion Collider	SIMSEK, Kaan
15:20	[283] Semi-Inclusive Physics Prospects at EPIC	DILKS, Christopher
15:40	[219] Vector meson photoproduction in UPCs with the FoCal detector at ALICE	BYLINKIN, Aleksandr BYLINKIN, Alexander
16:00	Coffee break	
16:30	[269] Future Physics with ATLAS and CMS detectors at the HL-LHC	REKOVIC, Vladimir
16:50	[124] Proton structure and precision QCD at the LHeC and FCC-he	Dr GIULI, Francesco
17:10	[125] Diffraction and forward physics at the LHeC and FCC-he	STASTO, Anna Maria STASTO, Anna STASTO, Anna
17:30	[126] High energy QCD and eA collisions at the LHeC and FCC-he	GWENLAN, Claire