

31st International Workshop on Deep Inelastic Scattering

Tuesday, April 9, 2024

WG1: Structure Functions and Parton Densities 1 (8:50 AM - 12:40 PM)

time	[id] title	presenter
8:50 AM	[172] Progress in the CTEQ-TEA global QCD analysis	NADOLSKY, Pavel
9:10 AM	[108] Updates of MSHT PDFs	THORNE, Robert
9:30 AM	[13] NNPDF progress and the path to proton structure at N3LO accuracy	ROJO, Juan
9:50 AM	[46] LHC differential top-quark pair production cross sections in the ABMP16 PDF fit	ZENAIEV, Oleksandr
10:10 AM	[285] xFitter Updates: Probing Z Boson Couplings with Forward-Backward Asymmetry	ZENAIEV, Oleksandr
10:30 AM	Coffe break	
11:00 AM	[36] Phenomenological implications of modern PDF determinations	CRUZ MARTINEZ, Juan Manuel
11:20 AM	[41] Impact of new data on the gluon PDF in NNPDF 4.0	SHARMA, Tanishq
11:40 AM	[253] CMS jet measurements and constraints on PDFs and α_S	SAVOIU, Daniel
12:00 PM	[304] New Measurements of the Deuteron to Hydrogen F2 Structure Function Ratio	HENRY, William
12:20 PM	[293] New Neutron Structure Function Extraction from Global Inclusive Proton and Deuteron Data	KEPPEL, Cynthia LI, Shujie

WG1: Structure Functions and Parton Densities 2 (2:00 PM - 4:40 PM)

time	[id] title	presenter
2:10 PM	[14] Deep-inelastic scattering with collider neutrinos at the LHC and beyond	ROJO, Juan
2:30 PM	[83] Dimuon production in neutrino-nucleus collisions - the SIDIS approach	YRJÄNHEIKKI, Sami
2:50 PM	[125] Neutrinos at the LHC - Results from FASER	ATKINSON, Jeremy
3:10 PM	[163] First results from the SND@LHC experiment	DURHAN, Onur
3:30 PM	Coffee Break	
4:00 PM	[34] The η_c meson distribution amplitude	SAN JOSÉ PÉREZ, Miguel Teseo
4:20 PM	[102] Lattice QCD extraction of the η_c meson's q -dependent parton distribution function	MORGADO CHÁVEZ, Jose Manuel

WG1: Joint WG1+WG4 (4:40 PM - 6:40 PM)

time	[id] title	presenter
4:40 PM	[186] Recent progress in the calculation of the N3LO splitting functions	FALCIONI, Giulio
5:00 PM	[195] A general mass variable flavor number scheme for Z boson associated with a heavy quark production at hadron colliders	GUZZI, MARCO

5:20 PM	[5] Measurement of jet production in deep inelastic scattering and NNLO determination of the strong coupling at ZEUS	LORKOWSKI, Florian
5:40 PM	[106] Measurement of the 1-jettiness event shape observable in deep inelastic electron-proton scattering at HER	HESSLER, Johannes
6:00 PM	[116] Energy Energy correlators in DIS	LI, Haitao
6:20 PM	[9] Simultaneous Determination of Fragmentation Functions and Test on Momentum Sum Rule	GAO, Jun

Wednesday, April 10, 2024

WG1: Structure Functions and Parton Densities 3 (8:50 AM - 12:40 PM)

time	[id] title	presenter
8:50 AM	[103] PDF uncertainties: a critical examination	HARLAND-LANG, Lucian
9:10 AM	[111] A critical assessment of uncertainty propagation methodologies in PDF fitting	COSTANTINI, Mark N.
9:30 AM	[161] A study of systematic uncertainties within the MSHT PDF framework.	READER, Matthew
9:50 AM	[99] Bayesian Inference and Gaussian Processes for PDF determination	GIANI, Tommaso
10:10 AM	[122] A Markov chain Monte Carlo determination of Proton PDF uncertainties at NNLO	RISSE, Peter
10:30 AM	Coffee Break	
11:00 AM	[160] nCTEQ global analysis of nuclear PDFs	JEZO, Tomas
11:20 AM	[50] Estimating nPDF Uncertainties via Markov Chain Monte Carlo Methods	Ms DERAKHSHANIAN, Nasim
11:40 AM	[231] Revisiting "target mass corrections" in lepton-nucleus deeply inelastic scattering	RUIZ, Richard
12:00 PM	[208] Systematic uncertainty of off-shell corrections and higher-twist contribution in DIS at large x	CERUTTI, Matteo
12:20 PM	[374] On the interplay of nuclear and higher-twist corrections in nuclear DIS at large x	PETTI, Roberto

WG1: Structure Functions and Parton Densities 4 (2:00 PM - 5:00 PM)

time	[id] title	presenter
2:10 PM	[179] Preliminary Results from the 12 GeV EMC Effect Experiment in Hall C of Jefferson Lab	COTTON, Cameron
2:30 PM	[127] COMPASS Results on Pion, Kaon and Unidentified Hadrons Multiplicities from SIDIS on Proton Target	STOLARSKI, Marcin
2:50 PM	[42] Fantômas4QCD: pion PDFs with epistemic uncertainties	COURTOY, Aurore
3:10 PM	[204] Extraction of kaon partonic distribution functions from Drell-Yan and J/ψ production data	PENG, Jen-Chieh
3:30 PM	Coffee break	
4:00 PM	[115] Partonic collinear structure by quantum computing	XING, Hongxi
4:20 PM	[119] PartonDensity.jl: a novel parton density determination code	CALDWELL, Allen
4:40 PM	[90] Analytic Solutions of the DGLAP Evolution and Theoretical Uncertainties	SIMONELLI, Andrea

Thursday, April 11, 2024

WG1: Structure Functions (8:50 AM - 11:00 AM)

time	[id] title	presenter
8:55 AM	[126] Evolution of structure functions at NLO without PDFs	TEVIO, Mirja
9:15 AM	[176] Towards splitting functions at four-loop order in QCD	YANG, Tongzhi
9:35 AM	[308] Benchmarking studies at N ³ LO.	THORNE, Robert
9:50 AM	[192] Full next-to-leading order QED contribution to lepton-hadron scattering in a joint QED and QCD factorization approach	Dr QIU, Jianwei Dr ZHANG, Jia-Yue
10:10 AM	[25] Recent Progress in Transverse Momentum-Dependent Parton Densities and Corresponding Parton Showers	Dr TAHERI MONFARED, Sara
10:30 AM	Coffee break	