

31st International Workshop on Deep Inelastic Scattering

mardi 9 avril 2024

WG1: Structure Functions and Parton Densities 1 (08:50 - 12:40)

time	[id] title	presenter
08:50	[172] Progress in the CTEQ-TEA global QCD analysis	NADOLSKY, Pavel
09:10	[108] Updates of MSHT PDFs	THORNE, Robert
09:30	[13] NNPDF progress and the path to proton structure at N3LO accuracy	ROJO, Juan
09:50	[46] LHC differential top-quark pair production cross sections in the ABMP16 PDF fit	ZENAIEV, Oleksandr
10:10	[285] xFitter Updates: Probing Z Boson Couplings with Forward-Backward Asymmetry	ZENAIEV, Oleksandr
10:30	Coffe break	
11:00	[36] Phenomenological implications of modern PDF determinations	CRUZ MARTINEZ, Juan Manuel
11:20	[41] Impact of new data on the gluon PDF in NNPDF 4.0	SHARMA, Tanishq
11:40	[253] CMS jet measurements and constraints on PDFs and α_S	SAVOIU, Daniel
12:00	[304] New Measurements of the Deuteron to Hydrogen F2 Structure Function Ratio	HENRY, William
12:20	[293] New Neutron Structure Function Extraction from Global Inclusive Proton and Deuteron Data	KEPPEL, Cynthia LI, Shujie

WG1: Structure Functions and Parton Densities 2 (14:00 - 16:40)

time	[id] title	presenter
14:10	[14] Deep-inelastic scattering with collider neutrinos at the LHC and beyond	ROJO, Juan
14:30	[83] Dimuon production in neutrino-nucleus collisions - the SIDIS approach	YRJÄNHEIKKI, Sami
14:50	[125] Neutrinos at the LHC - Results from FASER	ATKINSON, Jeremy
15:10	[163] First results from the SND@LHC experiment	DURHAN, Onur
15:30	Coffee Break	
16:00	[34] The η_c meson distribution amplitude	SAN JOSÉ PÉREZ, Miguel Teseo
16:20	[102] Lattice QCD extraction of the η_{c1} meson's t -dependent parton distribution function	MORGADO CHÁVEZ, Jose Manuel

WG1: Joint WG1+WG4 (16:40 - 18:40)

time	[id] title	presenter
16:40	[186] Recent progress in the calculation of the N3LO splitting functions	FALCIONI, Giulio
17:00	[195] A general mass variable flavor number scheme for Z boson associated with a heavy quark production at hadron colliders	GUZZI, MARCO

17:20	[5] Measurement of jet production in deep inelastic scattering and NNLO determination of the strong coupling at ZEUS	LORKOWSKI, Florian
17:40	[106] Measurement of the 1-jettiness event shape observable in deep inelastic electron-proton scattering at HER	HESSLER, Johannes
18:00	[116] Energy Energy correlators in DIS	LI, Haitao
18:20	[9] Simultaneous Determination of Fragmentation Functions and Test on Momentum Sum Rule	GAO, Jun

mercredi 10 avril 2024

WG1: Structure Functions and Parton Densities 3 (08:50 - 12:40)

time	[id] title	presenter
08:50	[103] PDF uncertainties: a critical examination	HARLAND-LANG, Lucian
09:10	[111] A critical assessment of uncertainty propagation methodologies in PDF fitting	COSTANTINI, Mark N.
09:30	[161] A study of systematic uncertainties within the MSHT PDF framework.	READER, Matthew
09:50	[99] Bayesian Inference and Gaussian Processes for PDF determination	GIANI, Tommaso
10:10	[122] A Markov chain Monte Carlo determination of Proton PDF uncertainties at NNLO	RISSE, Peter
10:30	Coffee Break	
11:00	[160] nCTEQ global analysis of nuclear PDFs	JEZO, Tomas
11:20	[50] Estimating nPDF Uncertainties via Markov Chain Monte Carlo Methods	Mlle DERAKHSHANIAN, Nasim
11:40	[231] Revisiting "target mass corrections" in lepton-nucleus deeply inelastic scattering	RUIZ, Richard
12:00	[208] Systematic uncertainty of off-shell corrections and higher-twist contribution in DIS at large x	CERUTTI, Matteo
12:20	[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 (14:00 - 17:00)

time	[id] title	presenter
14:10	[179] Preliminary Results from the 12 GeV EMC Effect Experiment in Hall C of Jefferson Lab	COTTON, Cameron
14:30	[127] COMPASS Results on Pion, Kaon and Unidentified Hadrons Multiplicities from SIDIS on Proton Target	STOLARSKI, Marcin
14:50	[42] Fantômas4QCD: pion PDFs with epistemic uncertainties	COURTOY, Aurore
15:10	[204] Extraction of kaon partonic distribution functions from Drell-Yan and J/psi production data	PENG, Jen-Chieh
15:30	Coffee break	
16:00	[115] Partonic collinear structure by quantum computing	XING, Hongxi
16:20	[119] PartonDensity.jl: a novel parton density determination code	CALDWELL, Allen
16:40	[90] Analytic Solutions of the DGLAP Evolution and Theoretical Uncertainties	SIMONELLI, Andrea

jeudi 11 avril 2024

WG1: Structure Functions (08:50 - 11:00)

time	[id] title	presenter
08:55	[126] Evolution of structure functions at NLO without PDFs	TEVIO, Mirja
09:15	[176] Towards splitting functions at four-loop order in QCD	YANG, Tongzhi
09:35	[308] Benchmarking studies at N ³ LO.	THORNE, Robert
09:50	[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	[25] Recent Progress in Transverse Momentum-Dependent Parton Densities and Corresponding Parton Showers	Dr TAHERI MONFARED, Sara
10:30	Coffee break	