

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

Tuesday 28 March 2023

WG 1: Structure Functions and Parton Densities 1 - Auditorium (09:00 - 12:30)

-Conveners: Simone Amoroso; Aurore Courtoy; Aurore Courtoy; Claire Gwenlan

time	[id] title	presenter
09:00	[17] Off-shell effects in bound nucleons and parton distributions	PETTI, Roberto
09:20	[46] Measurement of dijet production in UPC with the ATLAS detector	STEINBERG, Peter Alan
09:40	[210] Modification of Quark-Gluon Distributions in Nuclei by Correlated Nucleons Pairs	DENNISTON, Andrew
10:00	[223] Target mass corrections in lepton-nuclear DIS	SCHIENBEIN, Ingo SCHIENBEIN, Ingo SCHIENBEIN, Ingo
10:20	Coffee Break	
10:50	[116] Approximate N ³ LO PDFs and theoretical uncertainties	Dr HARLAND-LANG, Lucian THORNE, Robert Samuel CRIDGE, Thomas
11:10	[18] Collider physics with no PDFs	TEVIO, Mirja TEVIO, Mirja
11:30	[158] Global fits of PDFs with non-linear corrections	DUWENTAESTER, Pit DUWENTÄSTER, Pit
11:50	[194] Global parton branching TMD fits	WICHMANN, Katarzyna TAHERI MONFARED, Sara

WG 1: Structure Functions and Parton Densities 2 - Auditorium (14:00 - 18:30)

-Conveners: Simone Amoroso; Claire Gwenlan; Aurore Courtoy; Aurore Courtoy

time	[id] title	presenter
14:00	[70] Towards NNPDFs at N ³ LO with MHOUs and QED corrections	MAGNI, Giacomo
14:20	[114] MSHT PDF Updates.	Dr HARLAND-LANG, Lucian THORNE, Robert Samuel CRIDGE, Thomas
14:40	[132] The CTEQ-TEA global analysis of parton distribution functions	HUSTON, Joey NADOLSKY, Pavel YUAN, C.-P.
15:00	[102] The persistent nonperturbative charm enigma	HOBBS, TIMOTHY J HOBBS, Tim
15:20	[88] Heavy-flavor production in global QCD analyses: updates from CTEQ	GUZZI, Marco
15:40	[241] Recent QCD results from the xFitter project	Dr GIULI, Francesco DEVELOPERS, xFitter
16:00	Coffee break	

16:30	[155] Measurement and QCD analysis of inclusive jet production in deep inelastic scattering at HERA	WICHMANN, Katarzyna
16:50	[259] CMS jet measurements and constraints on PDFs and α_S	WICHMANN, Katarzyna
17:10	[146] Drell-Yan and charmonium production in p+p and p+d interaction at 120 GeV from the SeaQuest experiment	LEUNG, Ching Him
17:30	[93] Measurements of W^+/W^- cross-section ratio in pp collisions at STAR	NAM, Jae NAM, Jae
17:50	[156] Measurements of the decorrelation between the leading jet and the scattered lepton in deep inelastic scattering at HERA	NAM, Jae NAM, Jae
18:10	[57] Helix string fragmentation and charged particle measurements with ATLAS	SYKORA, Tomas

Wednesday 29 March 2023

WG 1: Uncertainties - Auditorium (09:00 - 10:20)

time	[id] title	presenter
09:00	[143] On the determination of uncertainties in parton densities	ACCARDI, Alberto
09:20	[191] Epistemic uncertainty quantification in PDF fits	Prof. NADOLSKY, Pavel
09:40	[169] Bézier curve parametrization for pion PDFs	Mr KOTZ, Lucas
10:00	[232] A new statistical model for estimating PDF uncertainties	MOHAN, Kirtimaan Ajaykant

Thursday 30 March 2023

WG 1: Structure Functions and Parton Densities 4 - Auditorium (09:00 - 12:30)

-Conveners: Aurore Courtoy; Claire Gwenlan; Simone Amoroso; Aurore Courtoy

time	[id] title	presenter
09:00	[271] Inclusive electron scattering off the proton with CLAS12 at JLab	KLIMENKO, Valerii
09:20	[214] Charge Symmetry Violation in the Valence Parton Distributions and Fragmentation Functions	ARMSTRONG, Whitney
09:40	[177] QCD predictions for pion and kaon form factors at large momenta	MUKHERJEE, Swagato
10:00	[279] First Measurement of the Flavor Dependence of Nuclear PDF Modification Using Parity-Violating Deep Inelastic Scattering	BEMINIWATTHA, Rakitha SANJEEWA BEMINIWATTHA, Rakitha
10:20	Coffee break	
10:50	[157] New constraints on the up-quark valence distribution in the proton	VERBYTSKYI, Andrii
11:10	[212] Towards the nCTEQ23 global nPDF analysis	RISSE, Peter
11:30	[141] Light sea and valence quarks in the CJ22 global PDF analysis	ACCARDI, Alberto
11:50	[149] F2p and F2d extractions at large Bjorken X from h(e, e') and d(e, e') cross sections measured during E12-10-002 in Hall C at Jefferson Lab	BISWAS, Debaditya
12:10	[73] Integrated determination of proton and nuclear PDFs	RABEMANANJARA, Tanjona R.

WG 1: Lattice and Precision (theory) - Auditorium (14:00 - 18:10)

time	[id] title	presenter
14:00	[140] The Compton amplitude and nucleon structure functions in lattice QCD	CAN, K. Utku
14:20	[103] Moments of PDFs from Lattice QCD at the physical point	RODEKAMP, Marcel
14:40	[2] Gluon Parton Distribution of the Nucleon from Lattice QCD in the $2+1+1$ Physical-Continuum Limit	GOOD, William
15:00	[233] Pion and proton PDFs at the physical point from lattice QCD with NNLO matching	Dr HANLON, Andrew
15:20	[305] The Unpolarized Proton PDF at NNLO from Lattice QCD with Physical Quark Masses	Dr HOLLIGAN, Jack
15:40	[304] Prospects of inclusive reactions using quantum computers	Prof. BRICEÑO, Raúl
16:00	Coffee break	
16:30	[11] Stress-testing factorization techniques: quantitative results in scalar Yukawa field theory	RAINALDI, TOMMASO
16:50	[16] Renormalization of twist-two operators and its application to singlet splitting functions in QCD	YANG, Tongzhi
17:10	[166] Recent results on massless and massive Wilson coefficients up to 3-loop	SCHÖNWALD, Kay
17:30	[168] Four-loop large-nf contributions to the non-singlet structure functions	Dr PELLONI, Andrea
17:50	[98] Factorization of Lepton Radiation in SIDIS	CAMMAROTA, Justin