

31st International Workshop on Deep Inelastic Scattering

mardi 9 avril 2024

WG5: Spin and 3D Structure 1 (09:00 - 12:40)

time	[id] title	presenter
09:00	[177] Nucleon spin and 3D structure studies at COMPASS	PARSAMYAN, Bakur
09:30	[312] Exclusives with Artificial Intelligence and Machine learning	LI, Yaohang
09:50	[120] Hard exclusive π^0 muoproduction cross-section at COMPASS	PESKOVA, Marketa
10:10	[110] Spin Density Matrix Elements in hard exclusive ϕ meson muoproduction at COMPASS	Dr AUGUSTYNIAK, Witold
10:30	Coffee Break	
11:00	[151] Anomalous dimensions for hard exclusive processes	VAN THURENHOUT, Sam
11:20	[168] Accessing Generalized Parton Distributions through 2 -> 3 exclusive processes	WALLON, Samuel
11:40	[154] A study of gluon distributions inside the proton	CHOUDHARY, Poonam
12:00	[284] Probing quark orbital angular momentum in ep collisions	BHATTACHARYA, Shohini
12:20	[199] Sensitivity of DDVCS observables to GPDs	ALVARADO, Juan Sebastian

WG5: Spin and 3D Structure 2 (14:00 - 18:40)

time	[id] title	presenter
14:00	[292] An overview of nucleon spin and 3D structure at STAR	CHU, Xiaoxuan
14:30	[38] Probing gluon and strange quark helicity distribution in the proton at STAR	YU, Yi
14:50	[112] The forward η meson cross section and prospects for the forward η meson A_N at PHENIX	LOOMIS, Devon
15:10	[35] Measurement of Λ hyperon spin-spin correlations in p+p collisions by the STAR experiment	VANEK, Jan
15:30	Coffee Break	
16:00	[23] Towards NNPDFpol2.0	HEKHORN, Felix
16:20	[37] Towards helicity-dependent parton distribution functions at next-to-next-to-leading order accuracy	CHIEFA, Amedeo
16:40	[128] Single- and double-unresolved limits of polarised matrix elements	LÖCHNER, Markus
17:00	[8] Angular momentum distribution for a quark dressed with a gluon	Prof. MUKHERJEE, Asmita
17:20	[205] Determining spin dependent gluon distributions from top quark pair production at the LHC	GOLDSTEIN, Gary
17:40	[183] Matching between TMD and twist-3 factorizations in the transversely polarized hyperon production	YOSHIDA, Shinsuke
18:00	[107] Probing the polarized fragmentation function in unpolarized collisions	WEI, Shu-Yi
18:20	[93] Longitudinal spin transfer of semi-inclusive Λ production in deep inelastic scattering	ZHAO, Xiaoyan

mercredi 10 avril 2024**WG5: Spin and 3D Structure 3 (09:00 - 12:40)**

time	[id] title	presenter
09:00	[182] Overview of Nucleon Spin and 3-d structure program at JLab	Dr CHEN, Jian-ping
09:30	[164] Dependence of Charged Pion Production on Transverse Momentum from Semi-Inclusive Deep Inelastic Electron Scattering from ^1H and ^2H	KINNEY, Edward
09:50	[3] Precision three-dimensional imaging of nuclei using recoil-free jets	SHAO, Dingyu
10:10	[80] DVCS on Polarized Nucleons with the CLAS12 experiment at Jefferson Lab	PILLEUX, Noémie
10:30	Coffee Break	
11:00	[181] New physical processes for extracting generalized parton distributions with a better sensitivity to partonic structure	Prof. QIU, Jianwei YU, Zhite
11:20	[124] Double DVCS including kinematic twist-4 corrections	MARTINEZ, Victor
11:40	[150] Breakdown of collinear factorisation in the photoproduction of a π^0 γ pair with large invariant mass	Dr NABEEBACCUS, Saad
12:00	[158] Generalized parton distributions through universal moment parameterization: the gluonic sector with deeply virtual J/ψ production at next-to-leading order	SANTIAGO, M Gabriel
12:20	[288] Off-Forward parton structure in Ioffe time space	ZAFEIROPOULOS, Savvas

WG5: Spin and 3D Structure 4 (14:00 - 18:40)

time	[id] title	presenter
14:00	[184] PHENIX-Spin Highlights	Dr BAZILEVSKY, Alexander
14:30	[169] Transverse-spin asymmetries in COMPASS Drell-Yan data	NIEMIEC, Małgorzata
14:50	[91] Disentangling soft effects from TMD Fragmentation Functions	SIMONELLI, Andrea
15:10	[22] Phenomenology of TMD parton distributions in Drell-Yan and Z^0 boson production in a hadron structure oriented approach	RAINALDI, Tommaso
15:30	Coffee Break	
16:00	[173] Measurement of Transverse Spin Dependent Azimuthal Correlation Asymmetry and Unpolarized Cross-Section of Oppositely-Charged Pion Pairs in Proton-Proton Collisions at STAR	Prof. SURROW, Bernd
16:20	[88] Transverse Single Spin Asymmetry of Electromagnetic Jets for Inclusive and Single Diffractive Process at Forward Rapidity in $p^{\uparrow}+p$ Collisions at $\sqrt{s} = 200$ GeV at STAR	LIANG, Xilin
16:40	[49] Azimuthal transverse single-spin asymmetries of inclusive jets and hadrons within jets from polarized pp collisions at $\sqrt{s} = 510$ GeV	XU, Yike
17:00	[82] The Sivers asymmetry of the vector mesons production in the semi-inclusive deep inelastic scattering	DENG, Yongjie
17:20	[167] New measurement of transverse spin effects in hadron production from muon-deuteron semi-inclusive DIS at COMPASS	ASATRYAN, Siranush
17:40	[129] Pion-induced Drell-Yan cross-section measurements at COMPASS	ANDRIEUX, Vincent
18:00	[84] Global fit of unpolarized Transverse Momentum Distributions	ROSSI, Lorenzo

18:20	[117] Role of the twist-3 gluon effect on the single transverse-spin asymmetry in the semi-inclusive J/psi production	YOSHIDA, Shinsuke
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jeudi 11 avril 2024**WG5: Spin and 3D Structure 5 (08:50 - 11:00)**

time	[id] title	presenter
08:50	[134] CLAS12 SIDIS Program Overview	MATOUSEK, Gregory
09:20	[137] Measurement of azimuthal modulations in SIDIS off proton target at COMPASS	BENEŠOVÁ, Vendula
09:40	[295] Non-perturbative Collins-Soper kernel: Chiral quarks and Coulomb-gauge-fixed quasi-TMD	MUKHERJEE, Swagato
10:00	[123] Studying hadronization at LHCb	NUNEZ, Cynthia
10:20	[373] Unlocking Higher-Order Moments of parton distribution functions from lattice QCD	Dr SHINDLER, Andrea
10:40	Coffee Break	