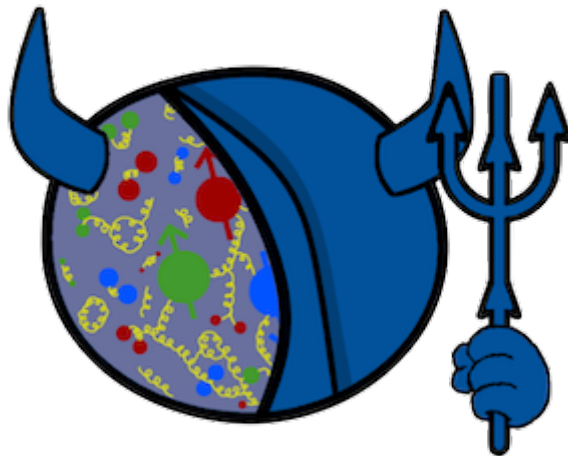


Session Program

Sep 24 - 29, 2023



25th International Spin Symposium (SPIN 2023)

3D Structure of the Nucleon: TMDs

Durham Convention Center

Mon, September 25

2:00 PM

3D Structure of the Nucleon: TMDs: TMDs I

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Yoshitaka Hatta

2:00 – 2:25 PM **New developments in di-hadron theory and phenomenology**

Speaker
Andreas Metz

2:25 – 2:40 PM

Measurements of Transverse Spin Dependent $\pi^+\pi^-$ Azimuthal Correlation Asymmetry and Unpolarized $\pi^+\pi^-$ Cross Section in pp Collisions at $\sqrt{s} = 200$ GeV at STAR

Speaker
Babu Pokhrel

2:40 – 2:55 PM

Transverse Spin Dependent Azimuthal Correlations of Charged Pion Pairs in $p^{\uparrow}p$ collisions at $\sqrt{s} = 510$ GeV at STAR

Speaker
Navagyan Ghimire

2:55 – 3:15 PM

Top quark polarization and gluon spin and transversity in the nucleon

Speaker
Prof. Gary Goldstein

3:15 – 3:30 PM

Azimuthal transverse single-spin asymmetries of inclusive jets and hadrons within jets from polarized pp collisions at $\sqrt{s} = 510$ GeV

Speaker
Yixin Zhang

3:30 PM

4:00 PM

3D Structure of the Nucleon: TMDs: TMDs II

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Andreas Metz

4:00 – 4:25 PM **Semi-inclusive diffractive deep inelastic scattering at small-x**

Speaker
Yoshitaka Hatta

4:25 – 4:45 PM **Production of Polarized J/ψ in NRQCD**

Speaker
Marston Copeland

4:45 – 5:00 PM

Transverse Single Spin Asymmetry for Inclusive and Diffractive Electromagnetic Jets at Forward Rapidity in $p^{\uparrow}+p$ Collisions at $\sqrt{s} = 200$ GeV and 510 GeV at STAR

Speaker

Xilin Liang

5:00 - 5:15 PM

Transverse Single-Spin Asymmetries of Midrapidity π^0 and η mesons in 200 GeV $p^{\uparrow} + Au$ and $p^{\uparrow} + Al$ Collisions at PHENIX

Speaker

Dillon Fitzgerald

5:15 - 5:30 PM

Transverse Single Spin Asymmetries of hadrons at forward and backward rapidities from $p^{\uparrow} + p$, $p^{\uparrow} + \text{Al}$, and $p^{\uparrow} + \text{Au}$ collisions in PHENIX

Speaker

Jeongsu Bok

5:35 PM

Tue, September 26

9:00 AM

3D Structure of the Nucleon: TMDs: TMDs III

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Andrea Signori

9:00 - 9:15 AM

Longitudinal spin transfer of semi-inclusive Λ production in deep inelastic scattering

Speaker

Dr Xiaoyan Zhao

9:15 - 9:30 AM

Hyperon polarization in SIDIS: Matching between TMD and twist-3 factorizations

Speaker

Riku Ikarashi

9:30 - 9:45 AM

Measurement of transverse polarization of lambda in pp collision at STAR

Speaker

Taoya Gao

9:45 - 10:00 AM

Measurement of Λ -hyperon spin-spin correlations in $p+p$ collisions at $\sqrt{s} = 200$ and 510 GeV by the STAR experiment

Speaker

Jan Vanek

10:00 - 10:15 AM

Longitudinal and Transverse Spin Transfer of Λ and $\overline{\Lambda}$ Hyperons in Polarized $p+p$ Collisions at $\sqrt{s} = 200$ GeV at STAR

Speaker

Prof. Qinghua Xu

10:15 - 10:30 AM

Longitudinal Spin Transfer to Λ Hyperons with CLAS12

Speaker

Matthew McEneaney

10:30 AM

11:00 AM

3D Structure of the Nucleon: TMDs: TMDs IV

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Leonard Gamberg

11:00 - 11:25 AM

Recent results on TMD extractions from the MAP Collaboration

Speaker

Alessandro Bacchetta

11:25 - 11:50 AM

Tomography of pions and protons from transverse momentum dependent distributions

Speaker

Patrick Barry

11:50 AM – 12:10 PM

Proton 3D reconstruction with time-reversal odd TMD gluon densities**Speaker**

Francesco Giovanni Celiberto

12:10 – 12:30 PM

Modeling and simulation of quark spin effects in electron-positron annihilation to hadrons**Speaker**

Albi Kerbizi

12:30 PM

2:00 PM

3D Structure of the Nucleon: TMDs: TMDs V**Session** | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Michael Engelhardt

2:00 – 2:25 PM

Transverse Momentum Dependent Factorization at NLP**Speaker**

John Terry

2:25 – 2:45 PM

Transverse-momentum-dependent factorization at next-to-leading power**Speaker**

Leonard Gamberg

2:45 – 3:00 PM

Unpolarised Semi-Inclusive DIS at COMPASS**Speaker**

Jan Matoušek

3:00 – 3:15 PM

Current status of the neutral pion multiplicity studies at CLAS12.**Speaker**

Marshall Scott

3:15 – 3:30 PM

Exploring fracture functions with semi-inclusive target- and double-spin asymmetries in the target fragmentation region with CLAS12**Speaker**

Timothy Hayward

3:30 PM

4:00 PM

3D Structure of the Nucleon: TMDs: TMDs VI**Session** | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Alessandro Bacchetta

4:00 – 4:25 PM

TMD phenomenology with the HSO approach**Speaker**

Tommaso Rainaldi

4:25 – 4:45 PM

The many roles of triplet P zero quark antiquark pairs in nonperturbative QCD**Speaker**

Dennis Sivers

4:45 – 5:05 PM

Quark orbital angular momentum in the proton from a twist-3 generalized parton distribution

Speaker
Michael Engelhardt

5:05 - 5:30 PM **Nucleon Energy-Energy Correlator in Lepton-Ion Collisions**

Speaker
Haotian Cao

5:30 - 5:45 PM **Polarized jet anisotropy at the future Electron-Ion Collider**

Speaker
Dr Fanyi Zhao

5:45 PM

Wed, September 27

9:00 AM

3D Structure of the Nucleon: TMDs: TMDs VII

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Tommaso Rainaldi

9:00 - 9:25 AM **New measurements of transverse spin asymmetries at COMPASS**

Speaker

Anna Martin

9:25 - 9:45 AM

Angular distribution measurements in the Drell-Yan process at the SeaQuest experiment

Speaker

Zhaohuizi Ji

9:45 - 10:00 AM

The Sivers asymmetry of vector meson production in semi-inclusive deep inelastic scattering

Speaker

Yongjie Deng

10:00 - 10:15 AM

An extraction of the Sivers, and the Boer-Mulders functions in SU(3) with DNNs

Speaker

Ishara Fernando

10:15 - 10:30 AM

Deep Neural Network-Based Reconstruction to extract unpolarized Drell-Yan Asymmetries and the Boer-Mulders Function from SeaQuest E906 Data

Speaker

Arthur Conover

10:35 AM

11:00 AM

3D Structure of the Nucleon: TMDs: TMDs VIII

Session | **Location:** Durham Convention Center, Meeting Room 1-2 | **Convener:** Daniel Pitonyak

11:00 - 11:25 AM **Nuclear modified transverse momentum distribution functions**

Speaker

Mishary Alrashed

11:25 - 11:45 AM **Drell-Yan cross-section measurement at COMPASS**

Speaker

Vincent Andrieux

11:45 AM - 12:00 PM

Measurement of the transverse single spin asymmetry for forward neutron production in a wide transverse momentum range

Speaker

Minho Kim

12:00 - 12:15 PM

Studying the Lund Jet Plane at LHCb

Speaker

Ibrahim Chahrour

12:15 - 12:30 PM

Production of spin-3/2 hadrons in e^+e^- annihilation and SIDIS

Speaker

Jing Zhao

12:35 PM