



# Transversity 2022

## Monday, May 23, 2022

### Plenary session (2:00 PM - 4:15 PM)

-Conveners: Marco Radici

time	[id] title	presenter
2:00 PM	[M5] Welcome	
2:15 PM	[M8] General theory overview of transverse spin distributions	BOER, Daniel
2:45 PM	[M4] Transverse Momentum Dependent Measurements in p-p and e+e- collisions	GROSSE PERDEKAMP, Matthias
3:15 PM	[M7] Recent results on TMDs from SIDIS measurements	BRESSAN, Andrea
3:45 PM	[M1] Jet as a probe to nucleon tomography	YUAN, Feng

### Plenary session (4:45 PM - 6:45 PM)

-Conveners: Francesco Murgia

time	[id] title	presenter
4:45 PM	[M3] The transverse spin structure of the nucleon: overview and perspectives of COMPASS SIDIS measurements	BRADAMANTE, Franco
5:15 PM	[M5] Dihadron beam spin asymmetries from SIDIS with proton and deuteron targets at CLAS12	DILKS, Christopher
5:45 PM	[M8] Chiral-odd PDFs from dihadron observables and the role of positivity constraints	COURTOY, Aurore
6:05 PM	[M7] First observation of correlations between spin and transverse momenta in back-to-back dihadron production at CLAS12	HAYWARD, Timothy
6:25 PM	[M0] Multi-Dimensional studies of the ep->e'p'+X Single Spin Asymmetries	Prof. BENMOKHTAR, Fatiha

# Tuesday, May 24, 2022

## Plenary session (9:00 AM - 11:00 AM)

-Conveners: **Mariaelena Boglione**

time	[id] title	presenter
9:00 AM	[M0] Status and prospects for TMD phenomenology	SIGNORI, Andrea
9:30 AM	[M2] Recent experimental results on TMD and dihadron fragmentation functions	SEIDL, Ralf
10:00 AM	[M3] Transverse-momentum distributions of hadrons produced in DIS at COMPASS	MATOUSEK, Jan
10:30 AM	[M4] Azimuthal asymmetries in unpolarized SIDIS at COMPASS	MORETTI, Andrea

## Plenary session: special session (11:30 AM - 1:00 PM)

-Conveners: **Marco Radici**

time	[id] title	presenter
11:30 AM	[M5] Unpolarized TMD extractions	BERTONE, Valerio
12:00 PM	[M6] Piet Mulders celebration	

## Plenary session (2:30 PM - 4:00 PM)

-Conveners: **Ignazio Scimemi**

time	[id] title	presenter
2:30 PM	[M6] PDF bias and flavor dependence in TMD distributions	ZURITA, Maria
3:00 PM	[M4] Updated QCD Global Analysis of SSAs	PITONYAK, Daniel
3:30 PM	[M7] The Electron-Ion Collider - The Next QCD Frontier	Dr GAO, Haiyan

## Plenary session (4:30 PM - 6:30 PM)

-Conveners: **Mariaelena Boglione**

time	[id] title	presenter
4:30 PM	[M0] Transverse $\Lambda$ -hyperon polarization in $e^+e^-$ annihilation processes within the TMD formalism.	ZACCHEDDU, Marco
4:50 PM	[M9] Thrust resummation and TMD effects in $e^+e^-$ annihilation	SIMONELLI, Andrea
5:10 PM	[M6] The Parton Branching method: a Monte Carlo approach based on TMDs	LELEK, Aleksandra
5:30 PM	[M1] Adding vector meson production to polarized string fragmentation in Pythia	KERBIZI, Albi
5:50 PM	[M1] On the spectral properties of the gauge invariant quark propagator	COSTA, Caroline
6:10 PM	[M2] How PDF determinations affect EFT constrains	MOORE, James

# Wednesday, May 25, 2022

## Plenary session (9:00 AM - 11:00 AM)

-Conveners: **Patrizia Rossi**

time	[id] title	presenter
9:00 AM	[10] Open issues with SIDIS and future plans at JLab	AVAGYAN, Harut
9:30 AM	[19] Measuring Nuclear GPDs and TMDs	DUPRÉ, Raphaël
10:00 AM	[21] Hard Exclusive Reactions at Compass (DVCS and HEMP)	D'HOSE, Nicole
10:30 AM	[24] The nucleon structure and the Generalized Parton Distributions	HOBART, Adam

## Plenary session (11:30 AM - 1:20 PM)

-Conveners: **Miguel Echevarria**

time	[id] title	presenter
11:30 AM	[25] Some recent advances in GPD extraction from exclusive processes	KUMERICKI, Kresimir
12:00 PM	[30] Addressing the problem of model dependency in GPD phenomenology	SZNAJDER, Paweł
12:30 PM	[18] GTMDs and Wigner functions: Recent Developments	BHATTACHARYA, Shohini
1:00 PM	[14] Role of transverse momentum in twist-three generalized parton distributions	LIUTI, Simonetta

# Thursday, May 26, 2022

## Plenary session (9:00 AM - 11:00 AM)

-Conveners: Nicole D'Hose

time	[id] title	presenter
9:00 AM	[19] Probing TMDs with quarkonium production	ECHEVARRIA, Miguel
9:30 AM	[45] Gluon TMDs and $J/\psi$ polarization in SIDIS	PISANO, Cristian
10:00 AM	[19] Measuring spin asymmetries with jet correlations and substructure	RINGER, Felix
10:30 AM	[30] TMDs and jet observables	SCIMEMI, Ignazio

## Plenary session (11:30 AM - 1:00 PM)

-Conveners: Barbara Pasquini

time	[id] title	presenter
11:30 AM	[21] Open issues in the determination of collinear Parton Distribution and Fragmentation Functions	NOCERA, Emanuele
12:00 PM	[18] T-odd proton-helicity asymmetry in semi-inclusive DIS in perturbative QCD	VOGELSANG, Werner
12:30 PM	[25] Determination of the W boson mass	VICINI, Alessandro

## Plenary session (2:15 PM - 3:45 PM)

-Conveners: Werner Vogelsang

time	[id] title	presenter
2:15 PM	[6] Machine Learning in PDF determination: NNPDF4.0	Dr CRUZ MARTINEZ, Juan Manuel
2:45 PM	[34] Collinear twist-3 observables in eN and e-e+ collisions	SCHLEGEL, Marc
3:15 PM	[44] Recent Transverse Spin Measurements from Polarized $pp$ Collisions at STAR	JACOBS, W. W.

## Plenary session (4:15 PM - 6:45 PM)

-Conveners: Franco Bradamante

time	[id] title	presenter
4:15 PM	[7] Combining nonperturbative models with the CSS formalism	GONZALEZ HERNANDEZ, Jose Osvaldo
4:35 PM	[2] TMD distributions at the next-to-leading power	RODINI, Simone
4:55 PM	[8] Polarization phenomenology for quarkonium production in SIDIS	MAXIA, Luca
5:15 PM	[1] $\cos^2\phi$ azimuthal asymmetry in a back-to-back $J/\psi$ and jet electroproduction at the EIC	KISHORE, Raj
5:35 PM	[2] Transverse spin and transverse-momentum-dependent results from PHENIX	AIDALA, Christine
5:55 PM	[9] Proof of factorization enabling lattice calculation of TMDs	SCHINDLER, Stella

# Friday, May 27, 2022

## Plenary session (9:00 AM - 11:00 AM)

-Conveners: Gunar Schnell

time	[id] title	presenter
9:00 AM	[M6] Recent progress on TMDs and PDFs of spin-1 hadrons	Prof. KUMANO, Shunzo
9:30 AM	[M1] The extraction of light cone parton distributions from lattice quantum chromodynamics	ZAFEIROPOULOS, Savvas
10:00 AM	[M3] Recent results from Lattice QCD	BACCHIO, Simone
10:30 AM	[M4] Collins-Soper kernel from lattice QCD	WAGMAN, Michael

## Plenary session (11:30 AM - 1:00 PM)

-Conveners: Harut Avagyan

time	[id] title	presenter
11:30 AM	[M6] Recent results from COMPASS Drell-Yan program	LONGO, Riccardo
12:00 PM	[M4] Fixed Target Drell-Yan at SpinQuest	WUERFEL, Noah
12:30 PM	[M5] Fixed target at LHC	DI NEZZA, Pasquale

## Plenary session (2:30 PM - 4:35 PM)

-Conveners: Pasquale Di Nezza

time	[id] title	presenter
2:30 PM	[M7] Investigation of Transverse-Momentum Distributions at HERMES	SCHNELL, Gunar
3:00 PM	[M0] Leading order formalism for spin and transverse momenta dependent fracture functions	KOTZINIAN, Aram
3:30 PM	[M2] The role of positivity constraints on global analysis of helicity PDFs.	SATO, Nobuo
4:00 PM	[M5] Conclusions	BACCHETTA, Alessandro