



# The 24th International Spin Symposium

## Monday 18 October 2021

### Transverse Momentum Structure (TMD): Chair: Alessandro Bacchetta - Room 601 (18:50 - 20:20)

-Conveners: Shinsuke Yoshida; Ralf Seidl; Michela Chiosso

time	[id] title	presenter
18:50	[21] Transverse momentum distributions in SIDIS at COMPASS	MARTIN, Anna
19:08	[22] Azimuthal single- and double-spin asymmetries in semi-inclusive deep-inelastic lepton scattering by transversely polarized protons	SCHNELL, Gunar
19:26	[26] Azimuthal asymmetries in unpolarised semi-inclusive DIS at COMPASS	MATOUSEK, Jan
19:44	[24] Transverse spin asymmetries in inclusive $\rho^0$ muon production at COMPASS	MORETTI, Andrea
20:02	[23] Overview of HERMES results on longitudinal spin asymmetries	MARUKYAN, Hrachya

### Transverse Momentum Structure (TMD): Chair: Pasquale di Nezza - Room 601 (20:30 - 22:00)

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

time	[id] title	presenter
20:30	[170] Fragmentation function measurements from Belle	SCHNELL, Gunar
20:48	[57] Longitudinal and transverse polarizations of $\Lambda$ hyperons in unpolarized SIDIS and $e^+e^-$ annihilations	Dr WEI, Shu-yi
21:06	[107] General helicity formalism for two-hadron production in $e^+e^-$ collisions and the $\Lambda$ polarizing fragmentation function	D'ALESIO, Umberto
21:24	[155] Extracting the $\Lambda$ polarizing Fragmentation Function from Belle $e^+e^-$ data within the TMD formalism.	ZACCHEDDU, Marco
21:42	[17] Measurement of target spin (in)dependent asymmetries in dimuon production in pion-nucleon collisions at COMPASS	CHUMAKOV, Alexandr

# Tuesday 19 October 2021

## Transverse Momentum Structure (TMD): Chair: Michaela Chiosso - Room 601 (18:50 - 20:20)

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

time	[id] title	presenter
18:50	[49] Towards leading-twist T-odd TMD gluon distributions	CELIBERTO, Francesco Giovanni
19:08	[95] Gluon TMDs and $J/\psi$ polarization in SIDIS	PISANO, Cristian
19:26	[134] Sivers azimuthal asymmetry in inelastic $J/\psi$ lepton production	MURGIA, Francesco
19:44	[145] Geometric model for Drell-Yan processes and TMDs	Dr MCCLELLAN, Randal Evan
20:02	[164] Progress in the extraction of unpolarized TMDs from global data sets	CERUTTI, Matteo

# Wednesday 20 October 2021

## **Transverse Momentum Structure (TMD): Chair: Zuo-Tang Liang - Room 601 (11:15 - 12:45)**

-Conveners: Shinsuke Yoshida; Michela Chiosso; Ralf Seidl

time	[id] title	presenter
11:15	[97] TMDs for spin-1 hadrons	KUMANO, Shunzo
11:33	[48] Factorized Approach to QED Radiation in Semi-inclusive Deep Inelastic Scattering	LIU, Tianbo
11:51	[110] Azimuthal asymmetry in $J/\psi$ electroproduction as a probe to linearly polarized gluon distribution at electron-ion collider	KISHORE, Raj
12:09	[66] Twist-3 gluon fragmentation contribution to hyperon polarization and its frame independence	Prof. KOIKE, Yuji
12:27	[65] Transverse polarization of hyperons in SIDIS from twist-3 gluon fragmentation functions	Mr IKARASHI, Riku

## **Transverse Momentum Structure (TMD): Chair: Shinsuke Yoshida - Room 601 (16:30 - 18:00)**

-Conveners: Shinsuke Yoshida; Ralf Seidl; Michela Chiosso

time	[id] title	presenter
16:30	[25] Beam-spin induced polarization of $\Lambda$ and anti- $\Lambda$ hyperons in semi-inclusive deep-inelastic scattering	VERETENNIKOV, Denis
16:48	[56] Transverse Spin Transfer of $\Lambda$ and $\overline{\Lambda}$ Hyperons in Polarized $p+p$ Collisions at $\sqrt{s} = 200$ GeV at RHIC-STAR	XU, Yike
17:06	[31] THE STRING+3P0 MODEL OF HADRONIZATION	ARTRU, Xavier
17:24	[27] Simulation of the polarized quark fragmentation within the string+3P0 model	KERBIZI, Albi
17:42	[139] Probing gluon TMDs via open heavy flavor quark production at the EIC	SHAO, Dingyu

# Thursday 21 October 2021

## **Transverse Momentum Structure (TMD): Chair: Leonard Gamberg - Room 601 (08:40 - 10:10)**

**-Conveners: Ralf Seidl; Michela Chiosso; Shinsuke Yoshida**

time	[id] title	presenter
08:40	[44] Exploring the Quark Transversity and the Collins Fragmentation Functions using Polarized $pp$ Collisions at STAR	LIN, Ting
08:58	[156] Beam spin asymmetries of $\pi^+\pi^0$ and $\pi^-\pi^0$ dihadrons from SIDIS at CLAS12	DILKS, Christopher
09:16	[64] Transverse Spin Dependent Azimuthal Correlations of Charged Pion Pairs in $p^{\uparrow}p$ Collisions at $\sqrt{s} = 200$ GeV at STAR	POKHREL, Babu
09:34	[133] Transverse Single Spin Asymmetry of Forward Neutrons at PHENIX	MONDAL, Mriganka Mouli
09:52	[38] Spin asymmetries in electron-jet production at the EIC	ZHAO, Fanyi

# Friday 22 October 2021

## **Transverse Momentum Structure (TMD): Chair: Ralf Seidl - Room 601 (07:00 - 08:30)**

-Conveners: Ralf Seidl; Shinsuke Yoshida; Michela Chiosso

time	[id] title	presenter
07:00	[104] Measurement of transverse single-spin asymmetries for dijet production in polarized p+p collisions at $\sqrt{s} = 200$ GeV at STAR	Prof. WISSINK, Scott THE STAR COLLABORATION
07:18	[106] Transverse Single-Spin Asymmetries for $\pi^0$ and Electromagnetic Jets at Forward Rapidities in $p^{\uparrow}+p$ Collisions at Center-of-Mass Energies of 200 GeV and 500 GeV at STAR	KABIR, Latiful
07:36	[143] Transverse Single Spin Asymmetries of Midrapidity Heavy Flavor Electrons and Charged Pions in 200 GeV $p^{\uparrow}+p$ Collisions at PHENIX	FITZGERALD, Dillon
07:54	[165] Transverse Single-Spin Asymmetries of Midrapidity Direct Photons and Neutral Mesons at PHENIX	AIDALA, Christine
08:12	[92] Transverse single-spin asymmetries of $W^{\pm}$ -bosons in p+p collisions at $\sqrt{s} = 510$ GeV	EYSER, K. Oleg

## **Transverse Momentum Structure (TMD): Chair: Alexei Prokudin - Room 601 (08:40 - 10:10)**

-Conveners: Shinsuke Yoshida; Michela Chiosso; Ralf Seidl

time	[id] title	presenter
08:40	[115] First global extraction of the worm-gear TMD $g_{1T}$	BHATTACHARYA, Shohini
08:58	[69] Nuclear TMDs and 3D imaging in nuclei	TERRY, john
09:16	[126] SU(3)-flavor TMD PDFs extraction with global fits & ANN	FERNANDO, Ishara
09:34	[84] Polarized Drell-Yan experiment at Fermilab, SpinQuest (E1039)	MIYACHI, Yoshiyuki