

## **Session Program**

**23-27 Mar 2020**



# **XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects**

## ***Spin Physics***

Brooklyn, NY  
333 Adams Street, Brooklyn, New York 11201, USA

## Tuesday 24 March

09:00

### Spin Physics: Day2-morning-1

**Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA | **Conveners:** Sanghwa Park, Renee Fatemi, Dr Asmita Mukherjee, Martha Constantinou

09:00–09:30

#### First simultaneous Monte Carlo analysis of PDFs and fragmentation functions

##### Speaker

Wally Melnitchouk

09:30–09:50

#### Solving the inverse problem for nucleon structure through machine learning

##### Speaker

nobuo sato

09:50–10:10

#### Transversity through Dihadron: a constrained fit

##### Speaker

Aurore Courtoy

10:10–10:30

#### Constraining the glue in the pion through Drell-Yan lepton-pair production

##### Speaker

Ms Nina Cao

10:30

11:00

### Spin Physics: Day2-morning-2

**Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA | **Conveners:** Renee Fatemi, Sanghwa Park, Dr Asmita Mukherjee, Martha Constantinou

11:00–11:20

#### Simultaneous Extraction of Spin-Dependent and Spin-Averaged PDFs at high-x

##### Speaker

Christopher Cocuzza

11:20–11:40

#### Measurements of the gluon polarization in the proton from longitudinally polarized pp collisions at STAR at RHIC

##### Speaker

Dmitry Kalinkin

11:40–12:00

#### Longitudinal double-spin asymmetries of inclusive jet and di-jet production at STAR

##### Speaker

Maria Zurek

12:00–12:20

#### Longitudinal double spin asymmetry measurements at PHENIX

##### Speaker

Milap Patel

12:20–12:40

**Direct photon measurements in pp collisions at  $\sqrt{s}=510$  GeV by PHENIX****Speaker**

Zhongling Ji

12:40–13:00

**Precision Measurement of the Neutron Asymmetry  $A_1^n$  at Large Bjorken  $x$  at 12 GeV JLab****Speaker**

Mr Mingyu Chen

13:00

16:30

**Spin Physics: Day2-afternoon-2****Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA

16:30–16:50

**Influence of neutron data on global DVCS fits****Speaker**

Kresimir Kumericki

16:50–17:10

**What DVCS data tell us about TCS observables?****Speaker**

Jakub Wagner

17:10–17:20

**loffe time behavior of PDFs and GPDs****Speaker**

Abha Rajan

17:20–17:40

**Electroproduction of two photons at JLab and EIC****Speaker**

Jakub Wagner

17:40–18:00

**2D densities of the energy-momentum tensor in a quark model****Speaker**

Kemal Tezgin

18:00

## Wednesday 25 March

09:00

### Spin Physics: Day3-morning-1

**Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA

09:00–09:30 **TMDs and DPDs on the lattice**

**Speaker**

Dr Andreas Schafer

09:30–09:50

**$J/\psi$  meson production in SIDIS: matching high and low transverse momentum**

**Speaker**

Cristian Pisano

09:50–10:10

**Cross section measurements of kinematically reconstructed weak bosons in unpolarized p+p collisions at STAR**

**Speaker**

Salvatore Fazio

10:10–10:30

**Unpolarized TMD extraction from Drell-Yan lepton pairs**

**Speaker**

Chiara Bissolotti

10:30

11:00

### Spin Physics: Day3-morning-2

**Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA

11:00–11:20

**Evolution and Transverse Momentum Dependence in Different Regions**

**Speaker**

Ted Rogers

11:20–11:40

**COMPASS studies of TMDs; recent results and future perspectives**

**Speaker**

Andrea Bressan

11:40–12:00

**The large transverse momentum limit in  $e^+e^-$  annihilation into two hadrons**

**Speaker**

Andrea Signori

12:00–12:20

**Azimuthal Transverse Single-Spin Asymmetries of Charged Pions Within Jets from Polarized pp Collisions at  $\sqrt{s} = 200$  GeV**

**Speaker**

Dr Ting Lin

12:20–12:40

**Measurement of transverse single spin asymmetries at forward rapidities by the STAR experiment at  $\sqrt{s} = 200$  and 500 GeV****Speaker**

zhanwen zhu

12:40–13:00

**Monte Carlo extraction of unidentified charged hadron fragmentation functions****Speaker**

Eric Moffat

13:00

14:30

**Spin Physics: Day3-afternoon-1****Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA | **Conveners:** Renee Fatemi, Sanghwa Park

14:30–14:50

**Global analysis of SSAs in SIDIS, Drell-Yan,  $e+e^-$  annihilation, and proton-proton collisions****Speaker**

Daniel Pitonyak

14:50–15:10

**Transverse single spin asymmetry measurements at PHENIX****Speaker**

Nicole Lewis

15:10–15:30

**Exact Relations for Twist-3 Gluon Distribution and Fragmentation Functions from Operator Identities****Speaker**

Prof. Yuji Koike

15:30–15:50

**Non-zero transverse single spin asymmetry of very forward  $\pi^0$  in polarized  $p+p$  collisions at  $\sqrt{s} = 510$  GeV****Speaker**

Mr Minh Kim

16:00

16:30

**Spin Physics: Day3-afternoon-2****Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA

16:30–17:00

**QCD evolution of the parton orbital angular momentum****Speaker**

Dr Yoshitaka Hatta

17:00–17:20

**Visualizing Factorization Regions in SIDIS****Speaker**

Mr Sterling Gordon

17:20–17:40

**The transverse nucleon single-spin asymmetry for the semi-inclusive production of photons in lepton-nucleon scattering**

**Speaker**

Ms Weeam Albaltan

17:40–18:00

**A new contribution to transverse single spin asymmetry at two loops**

**Speaker**

Sanjin Benic

18:00

## Thursday 26 March

09:00

### Spin Physics: Day4-morning-1

**Session** | **Location:** Brooklyn, NY, 333 Adams Street, Brooklyn, New York 11201, USA

09:00–09:20

#### **A model calculation of unpolarized and polarized transverse-momentum-dependent distribution functions**

**Speaker**

Francesco Giovanni Celiberto

09:20–09:40

#### **Measurement of transverse single-spin asymmetries for di-jet production in polarized p+p collisions at $\sqrt{s}=200$ GeV at STAR**

**Speaker**

Huanzhao Liu

09:40–10:00

#### **Phenomenology of partonic Sivers TMD**

**Speaker**

Dr Filippo Delcarro

10:00–10:20

#### **The gluon Sivers function at the EIC**

**Speaker**

Dr Dingyu Shao

10:30