

Session Program

8-12 Apr 2019



XXVII International Workshop on Deep Inelastic Scattering and Related Subjects

WG6: Spin and 3D structure

Turin
Aula Magna della Cavallerizza Reale, University of Turin

Tuesday 9 April

08:30

WG6: Spin and 3D structure

Session | Location: Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

08:30–08:47

Longitudinal double-spin asymmetries in semi-inclusive deep-inelastic scattering of electrons and positrons by protons and deuterons

Speaker

Gunar Schnell

08:47–09:04

Measurement of the Longitudinal Single Spin Asymmetries for W Boson Production in Polarized Proton-Proton Collisions at $\sqrt{s} = 510$ GeV at STAR

Speaker

Dr Amani Kraishan

09:04–09:21

Constraining the Polarized Gluon Distribution Function of the Proton with Recent STAR Measurements

Speaker

Mr Nicholas Lukow

09:21–09:38

Beam-helicity asymmetries in semi-inclusive deep-inelastic single-hadron production from unpolarized hydrogen and deuterium targets

Speaker

Gunar Schnell

09:38–09:55

SIDIS Pion Beam Spin Asymmetries with CLAS 12 at 10.6 GeV

Speaker

Dr Stefan Diehl

10:15

10:45

WG6: Spin and 3D structure

Session | Location: Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

10:45–11:02

Measurement of the azimuthal modulations of hadrons in unpolarized SIDIS events.

Speaker

Jan Matousek

11:02–11:19

Transverse momentum dependent multiplicities of hadrons produced in DIS at COMPASS

Speaker

Andrea Moretti

11:19–11:36

Understanding the large p_T spectrum in SIDIS

Speaker
nobuo sato

11:36-11:53

Comments on the perturbative and non-perturbative contributions in unpolarized SIDIS.

Speaker
J. Osvaldo Gonzalez H.

11:53-12:10

The impact of the errors of collinear functions in describing unintegrated SIDIS data.

Speaker
Andrea Simonelli

12:10-12:27

Extraction of unpolarized transverse momentum dependent parton distribution functions (TMDPDF)

Speaker
Alexey Vladimirov

12:30

14:00

WG6: Spin and 3D structure

Session | **Location:** Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

14:00-14:17

High-z proton and kaon multiplicity ratios on deuteron target

Speaker
Marcin Stolarski

14:17-14:34

Pion and Kaon multiplicities in SIDIS from COMPASS

Speaker
Nicolas Pierre

14:34-14:51

Fragmentation related measurements at Belle

Speaker
Ralf Seidl

14:51-15:08

New way to access the quark fragmentation functions in electron-positron annihilation

Speaker
Aram Kotzinian

15:08-15:25

Spectrally novel fragmentation function sum rules

Speaker
Alberto Accardi

15:25-15:42

Probing Dihadron Fragmentation Functions and Twist-3 Parton Distribution Functions at CLAS12

Speaker
Christopher Dilks

15:45

16:15

WG6: Spin and 3D structure**Session** | **Location:** Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

16:15-16:32

Inclusion of the 3P0 model in PYTHIA 8**Speaker**

Albi Kerbizi

16:32-16:49

Transversity distributions from difference asymmetries in semi-inclusive DIS.**Speaker**

Franco Bradamante

16:49-17:06

Update on phenomenological extraction of the proton tensor charge**Speaker**

Marco Radici

17:06-17:23

Transverse Single-Spin Asymmetries of Midrapidity Eta Mesons at PHENIX**Speaker**

Nicole Lewis

17:23-17:40

Nuclear-dependence of transverse, single-spin asymmetries in charged hadron production in PHENIX**Speaker**

Vassili Papavassiliou

18:00

Wednesday 10 April

08:30

WG6: Spin and 3D structure

Session | Location: Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

08:30–08:47 **Transversely polarized Drell-Yan measurements at COMPASS**

Speaker

Dr Bakur Parsamyan

08:47–09:04

Sivers Asymmetry in π^0 Drell-Yan process at COMPASS within TMD factorization

Speaker

Dr Xiaoyu Wang

09:04–09:21

Measurement of q_T -weighted transverse-spin-dependent azimuthal asymmetries at COMPASS

Speaker

Riccardo Longo

09:21–09:38

Lepton angular distributions of Drell-Yan process in pQCD and a geometric approach

Speaker

Wen-Chen Chang

09:38–09:55

Off-shell initial state effects and gauge invariance in the Drell-Yan process

Speaker

Dr Maxim Nefedov

09:55–10:12

Frame-independent angular distributions as density matrix invariants

Speakers

Prof. Oleg Teryaev, Ms Margarita Gavrilova

10:15

10:45

WG6: Spin and 3D structure

Session | Location: Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

10:45–11:02 **Relating TMDs & collinear twist-3 functions in the CSS formalism**

Speaker

Leonard Gamberg

11:02–11:19

Sivers function at NLO

Speaker

Scimemi Ignazio

11:19–11:36

Applications of the WW-type approximation to SIDIS

Speaker

Kemal Tezgin

11:36–11:53 **The gluon Sivers function and its process dependence from RHIC data****Speaker**

Cristian Pisano

11:53–12:10

Probing the Gluon Sivers Function through direct photon production at RHIC**Speaker**

Abhiram Kaushik B

12:10–12:30 **Re-assessment of the nucleon Boer-Mulders function****Speaker**

Prof. Elliot Leader

12:30

14:00

WG6: Spin and 3D structure**Session** | **Location:** Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin14:00–14:17 **Polarized gluon TMDs at small x****Speaker**

Piet Mulders

14:17–14:34 **Linearly polarized gluons TMDPDFs at NNLO in QCD****Speaker**

Sergio Leal Gómez

14:34–14:51 **Studying gluon TMDs with J/ψ pair production at the LHC****Speaker**

Florent Scarpa

14:51–15:08 **J/ψ polarization in $pp+pp$ collisions at PHENIX****Speaker**

sookhyun lee

15:08–15:25

Studying twist-2 GPDs through quasi-distributions in a scalar diquark model**Speaker**

Shohini Bhattacharya

15:45

16:15

WG6: Spin and 3D structure**Session** | **Location:** Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

16:15–16:32

NLO corrections to heavy flavour distributions in polarized deep-inelastic scattering**Speaker**

Felix Hekhorn

16:32–16:49 **Nucleon properties from basis light front quantization****Speaker**

Chandan Mondal

16:49-17:06

On the $\sin\phi_R$ azimuthal asymmetry single longitudinal-spin asymmetry in dihadron production in SIDIS

Speaker

Mr Wei Yang

17:06-17:23

Transverse single-spin asymmetry with a $\sin\phi_{S_h}$ modulation for proton and lambda production in SIDIS at subleading twist

Speaker

Dr Wenjuan Mao

17:23-17:40

The angular momentum decomposition in the scalar diquark model.

Speaker

Mr Arturo Amor

18:00

Thursday 11 April

08:30

WG6: Spin and 3D structure

Session | **Location:** Rettorato - Aula Principi d'Acaja, via Verdi, 8 Turin

08:30–08:47 **Towards extraction of GPDs from DVCS data**

Speaker

Paweł Sznajder

08:47–09:04 **EXCLUSIVE SINGLE-PHOTON MUONPRODUCTION AT COMPASS**

Speaker

Antoine Vidon

09:04–09:21

First data on Deeply Virtual Compton Scattering with CLAS12 at 10.6 GeV Electron Beam

Speaker

Francesco Bossu

09:21–09:38 **Energy-momentum tensor densities in the bag model**

Speaker

Kemal Tezgin

09:38–09:55

Exclusive photoproduction of a photon pair with a large invariant mass

Speaker

Aleksandra Pędrak

09:55–10:12 **Lensing function relation in Hadrons**

Speaker

Simone Rodini

10:15