

Session Program

20-24 Oct 2014

**The 21st International Symposium on Spin
Physics (Spin2014)**

Parallel-IV

Peking University, Beijing, China.
No.5 , Yiheyuan Road , Haidian District, Beijing 100871, China.

Tuesday 21 October

15:30

Parallel-IV: S12 (Chair: Warren Warren)

Session | Location: Yingjie International Exchange Centre, Peking University

15:30-16:00 **Dipolar and Quadrupolar Signatures of Topological Band Structures**

Speaker

Louis Bouchard

16:00-16:25

Polarized Fusion: Can Polarization Help to Increase the Energy Output of Fusion Reactors?

Speaker

Ralf Engels

16:25-16:50

Polarized Fusion and its Implications: The Potential for Direct in situ Measurements of Fuel Polarization Survival in a Tokamak Plasma

Speaker

Andrew Sandorfi

16:50-17:10

Generation of States with Long-lived Molecular Polarization and Catalytic Generation In-Magnet of Molecular Spin Hyperpolarization

Speaker

Warren Warren

17:10-17:30

Recent Trends in Laser-polarized Gases for Medical Imaging and Nuclear Targets

Speaker

Gordon Cates

17:30

15:30

Parallel-IV: S2 (Chair: Renee Fatemi)

Session | Location: Yingjie International Exchange Centre, Peking University

15:30-16:00

Proton Quark Helicity Structure via W-boson Production in pp Collision at $\sqrt{s} = 500$ GeV @ PHENIX

Speaker

Francesca Giordano

16:00-16:15

Proton Spin Content in Lattice QCD from a Large Momentum Effective Field Theory

Speaker

Yong Zhao

16:15-16:30

Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at STAR

Speaker
Jinlong Zhang

16:30-16:45

Symmetry Breaking and Determination of Strange Quark Distribution of the Nucleon

Speaker
Fu-Guang Cao

16:45-17:00

Accessing Polarized Sea Flavor Asymmetry through Semi-Inclusive DIS at JLab-12GeV and the Future EIC

Speaker
Xiaodong Jiang

17:30

15:30

Parallel-IV: S4 (Chair: Barbara Pasquini)

Session | **Location:** Yingjie International Exchange Centre, Peking University

15:30-16:00

Nucleon Form Factors: An Incisive Window into Quark-Gluon Dynamics

Speaker
Ian Cloet

16:00-16:30

Theory and Phenomenology of GPDs

Speaker
Kresimir Kumericki

16:30-16:50

Progress in Double Distributions and Generalized Parton Distributions Modeling.

Speaker
Cedric Mezrag

16:50-17:10

Generalized Parton Distributions for the Nucleon in the Soft-wall Model of AdS/QCD

Speaker
Neetika Sharma

17:30

15:30

Parallel-IV: S6 (Chair: Reinhard Beck)

Session | **Location:** Yingjie International Exchange Centre, Peking University

15:30-16:00

Double Polarisation Experiments in Meson Photoproduction and the Impact on the Nucleon Excitation Spectrum

Speaker
Jan Hartmann

16:00-16:30

Double Polarisation Experiments in Meson Photoproduction at JLab

Speaker
Eugene Pasyuk

17:30

16:30-16:50

Spin Density Matrix Elements in Exclusive Production of Omega Mesons at HERMES

Speaker

Hrachya Marukyan

15:30

Parallel-IV: S9 (Chair: Edward Stephenson)

Session | **Location:** Yingjie International Exchange Centre, Peking University

15:30-15:55

Storage Ring Based EDM Search

Speaker

Andreas Lehrach

15:55-16:15

Systematic Calculation of Spin Resonance Strengths to High Order

Speaker

Desmond Barber

16:15-16:30

Studies of Systematic Limitations in the EDM Searches at Storage Rings

Speaker

Artem Saleev

16:30-16:45

A Novel RF-ExB Spin Manipulator at COSY (Jülich, Germany)

Speaker

Sebastian Mey

16:45-17:00

Machine Development for Spin

Speaker

Paolo Lenisa

17:30