

**Session Program**

**20-24 Oct 2014**

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

***Parallel-III***

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

## Tuesday 21 October

13:30

### Parallel-III: S12 (Chair: Gui Lu Long)

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

13:30-14:00

#### Planar Quantum Squeezing and Optimized Interferometric Phase Measurement

**Speaker**

Qiongyi He

14:00-14:25

#### Quantum Information Processing Based on Quantum-dots in Optical Double-sided Microcavities

**Speaker**

Tie-jun Wang

14:25-14:50

#### Demonstrating a Quantum Algorithm Using Nuclear Magnetic Resonance

**Speaker**

Yang Liu

15:15

13:30

### Parallel-III: S2 (Chair: Jian-Ping Chen)

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

13:30-14:00

#### Theoretical Status of Helicity Parton Densities

**Speaker**

Emanuele Roberto Nocera

14:00-14:30

#### New Results on the Longitudinal Spin Structure of the Nucleon from CLAS at Jefferson Lab

**Speaker**

Peter Bosted

14:30-14:45

#### COMPASS Results on $g_1$ and NLO QCD Fits

**Speaker**

Fabienne Kunne

15:15

13:30

### Parallel-III: S4 (Chair: Nicole D'Hose)

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

13:30-14:00

#### Nucleon Form Factors

**Speaker**

Bill Briscoe

14:00-14:30

#### Overview of the Proton Radius Problem

**Speaker**

Carl Carlson

14:30–14:50

**New Precision Measurement for Proton Zemach Radius with Laser Spectroscopy of Muonic Hydrogen****Speaker**

Yue Ma

15:15

13:30

**Parallel-III: S5 (Chair: Nikolai Kochelev)****Session** | **Location:** Yingjie International Exchange Centre, Peking University

13:30–14:00

**Role of Spin in  $NN \rightarrow NN\pi$** **Speaker**

Vadim Baru

14:00–14:25

**Spin Physics at NICA****Speaker**

Alexander Nagaytsev

15:15

13:30

**Parallel-III: S8 (Chair: Wei-Tou Ni)****Session** | **Location:** Yingjie International Exchange Centre, Peking University

13:30–13:59

**Spin-gravity Interactions and Equivalence Principle****Speaker**

Oleg Teryaev

14:18–14:37

**New Limit on Lorentz-Invariance- and CPT-Violating Neutron Spin Interactions Using a Free-Spin-Precession  $^3\text{He}$ - $^{129}\text{Xe}$  Comagnetometer****Speaker**

Fabian Allmendinger

14:37–14:56

**Limits for Spin-Dependent Short-Range Interaction of Axion-like Particles****Speaker**

Kathlyne Tullney

14:56–15:15

**New Spin and Velocity Dependent Force Searching by Using Polarized Helium Gas****Speaker**

Changbo Fu

15:15