

# **The 21st International Symposium on Spin Physics**

## **Oct 20-24, 2014, Peking University, Beijing, China**

### **First Circular**

The 21<sup>st</sup> International Symposium on Spin Physics (Spin2014) will be held on the campus of Peking University, Beijing, China, during October 20-24, 2014. The International Spin Physics Symposium series combined together the High Energy Spin Symposia and the Nuclear Polarization Conferences since 2000. The most recent symposia took place in Charlottesville, Virginia, USA (2008), Forschungszentrum Juelich, Germany (2010), and JINR, Dubna, Russia (2012). Spin 2014 is co-chaired by Bo-Qiang Ma (PKU) and Haiyan Gao (Duke).

### **Symposium Topics and Program**

The scientific program of this symposium will include topics related to spin phenomena in particle and nuclear physics as well as those in related fields. The symposium topics cover accelerator, storage and polarimetry of polarized beams; applications of spin physics (medical imaging, quantum information and computing, spin in condensed matter physics, etc.); fundamental symmetries and physics beyond the standard model; future facilities and experiments; nucleon structure; polarized ion and lepton sources and targets; spin physics in nuclear reactions and nuclei; spin physics with photon, lepton and hadron beams; spin structure of hadrons. The symposium format consists of talks in plenary and parallel sessions, a poster session, and a public lecture.

### **Symposium Registration Fee**

The registration fee is of \$300 USD for participants (\$150 USD for students) and \$200 USD for accompanying persons paid in cash. The fee will cover reception, banquet, social activities, coffee breaks and lunches. The accompanying persons will be free of the registration fee if they do not take part in the above activities.

### **Hotels**

Participants will be accommodated in the Guest Hotel of Peking University or nearby Hotels. The price will be of about 60-150 USD per day for a standard double room. The fee is paid in cash or by credit card upon reception at the hotel. Detailed information about visa, travel, and hotels will be available on the conference website in the near future.

### **International Spin Physics Committee:**

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### **Symposium Sponsors:**

School of Physics, Peking University, State Key Laboratory of Nuclear Physics and Technology, Peking University, Center for High Energy Physics, Peking University,

Duke University, Brookhaven National Laboratory\*, Central China Normal University, European Physics Journal A, Jefferson Lab, Huangshan University, Huazhong University of Science and Technology, Institute of High-Energy Physics, Lanzhou University, Shandong University, Tsinghua University, University of Science and Technology of China, National Natural Science Foundation of China

(\* to be confirmed)

### Parallel Program and Conveners:

| Topics   | Conveners:   |
|--|--|
| Spin structure of hadrons (joints)                           | Chuan Liu, Vincenzo Barone, Feng Yuan, Akio Ogawa  |
| Spin Structure of Nucleon (longitudinal)                     | Rene Fatemi, Jian-Ping Chen, Marco Stratmann   |
| Spin Structure of Nucleon (transverse)                       | Alexei Prokudin, Zuo-tang Liang, Andrea Bressan  |
| Nucleon Structure (form factors, GPDs)                       | Nicole D'Hose, John Arrington, Dieter Mueller, Barbara Pasquini  |
| Spin in Hadronic Reactions                                   | Seonho Choi, Frank Rathmann  |
| Spin Physics with Photons and Leptons                        | Michael Ostrick, Reinhard Beck, Mohammad Ahmed   |
| Spin Physics in Nuclear Reactions and Nuclei                 | Arnoldas Deltuva, Evgeny Epelbaum, Kimiko Sekiguchi, Zhigang Xiao  |
| Fundamental Symmetries and Physics Beyond the Standard Model | Krishna Kumar, Jens Erler, Yuri Obukhov  |
| Accelerator, Storage and Polarimetry of Polarized Beams      | Alexander Chao, Mei Bai, Andreas Lehrach   |
| Polarized Ion and Lepton Sources and Targets                 | Matt Poelker, Don Crabb  |
| Future Facilities and Experiments                            | Rolf Ent, Jianwei Qiu, Zhengguo Zhao, Alexander Nagaystev  |
| Applications of Spin Physics                                 | Gordon Cates (Medical), Warren Warren (Medical), Guilu Long and Xincheng Xie (Quantum Info), Xi Chen and Ruirui Du (CMP) |

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<http://www.phy.pku.edu.cn/spin2014/>