

1st circular

< The 7th Circum-Pan-Pacific Symposium on 'High Energy Spin Physics' >

Dear Colleagues,

Circum-Pan-Pacific Symposium on 'High Energy Spin Physics'
(<http://www.quark.kj.yamagata-u.ac.jp/pacific-spin09>) will be held at Yu-gaku kan, Yamagata, Japan, on Sept. 15-18, 2009. This is the 7th in a series, following the ones at Kobe, Japan(1996), RIKEN, Japan(1999), Beijing, China(2001), Seattle, USA(2003), Tokyo, Japan(2005), Vancouver, Canada(2007).

Spin is one of the basic properties of elementary particles. The discoveries concerning spin often triggered physicists to open a new chapter of physics. The spin structure of the nucleon, namely how the nucleon spin is distributed on its quarks and gluons, is one of the interesting challenges of QCD.

Today QCD allows to extract an ever more detailed picture of the internal structure of hadrons, including two and three dimensional position and/or momentum distributions and quark-gluon correlations. Spin degrees of freedom and angular distributions allow to separate such effects and thus are vital for these successes. The various aspects of the QCD process form the main topic of the symposium.

The aim of the symposium is to enhance communications among physicists from Circum-Pan-Pacific region and from other regions. Supporting presentations of young physicists is another feature of this symposium.

The symposium basically consists of all plenary sessions. The idea is that all participants share the same discussions and deepen the common understanding of current problems and the future prospects for high energy spin physics. At the practical level, the discussion sessions will be interleaved with the usual presentation sessions, which should allow any participant to make his/her short presentation or comment.

Important dates:

- Deadline for registration with reduced registration fee - July 25, 2009
- Deadline for submitting one-page abstract - July 25, 2009
- Symposium - Sept. 15-18, 2009

Those who need a visa to come to Japan are advised to contact the organizers as soon as possible, in early May.

1. The topics to be covered are:

Spin and fundamental symmetries
Spin in hard QCD processes
Nucleon spin problem
Structure functions of the nucleon and nuclei
Polarized parton distributions and fragmentation functions
Transversity and Collins effect
Transverse momentum dependent distribution functions
Higher twist effects
Generalized Parton Distributions
Recent progress of spin experiments:
 COMPASS, HERMES, JLab, RHIC and many others
Structure functions on the lattice and effective QCD models
Future experiments and facilities
New idea and methods

2. The registration:

The registration can be done from the web-site of the symposium.
The deadline of registration with reduced registration fee is July 25, 2009 (20,000 Yen (15,000 Yen for graduate students)).
For a later registration the registration fee becomes higher.
For details please see the web-site of the symposium.
The registration fee can be paid by cash in Yen only, upon arrival at the registration desk on Sept. 15th, 2009.

3. Visa:

Those who need a visa to come to Japan are recommended to contact the organizers (pacific09@quark.kj.yamagata-u.ac.jp) as soon as possible, in early July.

4. The talks consist of invited talks and talks selected from contributions. One-page abstract of contribution should be submitted by July 25, 2009 to pacific09@quark.kj.yamagata-u.ac.jp

For details of instruction, please see the web-site of the symposium.

5. Hotels:

The participants are requested to make hotel reservations by himself/herself.

Information provided by the organizers on the web-site of the symposium will help the participants. If you have questions, please send mail to pacific09@quark.kj.yamagata-u.ac.jp

6. Organizers and advisors:

Local Organizing Committee

Norihiro Doshita (Yamagata),
Yuji Goto (Riken Nishina Center),
Takahiro Iwata (Yamagata, Chair),
Kaori Kondo (Yamagata),
Shunzo Kumano (KEK),
Yoshiyuki Miyachi (Tokyo Tech.),
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International Organizers

Leslie C. Bland (BNL),
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Takahiro Iwata (Yamagata),
Andreas Schäfer (Regensburg),
Toshi-Aki Shibata (Tokyo Tech),

International Advisors

Hai-Yang Cheng (Inst. Phys., Academia Sinica, Taipei),
Rodney Crewther (Adelaide),
Naoaki Horikawa (Chubu U.),
Kenichi Imai (Kyoto),
Robert L. Jaffe (MIT),
Wooyoung Kim (Kyungpook U.),
Bo-Qiang Ma (Beijing),
Toshiyuki Morii (Kobe),
Anthony W. Thomas (JLab),

*: to be confirmed

The organizers trust that many physicists will actively participate in and enjoy the symposium !

1 0. Supporting Bodies

This symposium is supported by Yamagata University, RIKEN Nishina Center and Tokyo Institute of Technology.