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The 34th Reimei Workshop
“Physics of J-PARC Heavy-Ion Collisions”
--- The 1st Circular ---

- 24 Jun 2016 -
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1. GENERAL ANNOUNCEMENT

The 34th Reimei Workshop “Physics of J-PARC Heavy-Ion Collisions” will be held on August 8th and 9th, 2016 in Tokai, Japan.

We have just submitted the Letter-Of-Intent of J-PARC Heavy-Ion Program (J-PARC-HI) to J-PARC Program Advisory Committee. In this opportunity, we would like to hold a workshop on J-PARC-HI.

J-PARC-HI aims to find QCD phase structures in a high density regime, in particular, the critical point. Heavy-ion collisions at J-PARC-HI will create matter with 5-10 times the normal nuclear density.

For this purpose, J-PARC-HI will accelerate heavy-ion beams up to Uranium to 1-19 GeV/c per nucleon, corresponding to the nucleon-nucleon center-of-mass energy of 2-6.2 GeV. J-PARC-HI aims to achieve the world’s highest intensity heavy-ion beams of 10^{11} Hz utilizing the existing 3 GeV (RCS) and 50 GeV (MR) proton synchrotrons.

The main goals of this workshop are to discuss the status of J-PARC-HI, various physics and experimental possibilities, and to find the right direction to proceed with the project.

The topics of the workshop will be as follows.

1. J-PARC-HI status
2. Heavy-ion experiments in the world (NICA, FAIR, RHIC, and LHC)
3. QCD at high density and high temperature
4. Ongoing and planned J-PARC hadron/nuclear experiments

2. ORGANIZERS

Chair:

Hiroyuki Sako (ASRC/J-PARC, JAEA)

Advisory Board:

Shoji Nagamiya (RIKEN/JAEA/KEK), Kenichi Imai (ASRC, JAEA),
Michikazu Kinsho (J-PARC, JAEA), Makoto Oka (ASRC, JAEA / Tokyo Tech.)

Local Organizing Committee:

Tatsuya Chujo (Univ. of Tsukuba), Kazunori Itakura (J-PARC, KEK), Shoichi Hasegawa (ASRC/J-PARC, JAEA), Hiroyuki Harada (J-PARC, JAEA), Masakiyo Kitazawa (Osaka Univ. / KEK), Toshiki Maruyama (ASRC, JAEA), Kyoichiro Ozawa (J-PARC, KEK), Pranab Saha (J-PARC, JAEA), Takao Sakaguchi (BNL), Susumu Sato (ASRC/J-PARC, JAEA), Kiyoshi Tanida (ASRC, JAEA)

Host Institute:

Advanced Science Research Center, Japan Atomic Energy Agency

3. AGENDA

The tentative agenda for the workshop is as follows.

Aug 8 (Mon) Morning : J-PARC-HI status

Aug 8 (Mon) Afternoon : Physics in heavy-ion collisions

Aug 8 (Mon) Evening : Banquet

Aug 9 (Tue) Morning : Hadron properties and EOS

Aug 9 (Tue) Lunch time : J-PARC tour

Aug 9 (Tue) Afternoon : Contributed talks and open discussions

In addition to invited talks, we are going to accept contributed talks, and there will also be a session for open discussions. Those who would like to present a contributed talk should apply in the registration form in the web page shown below.

4. INVITED SPEAKERS (confirmed)

M. Asakawa (Osaka University)
D. Blaschke (University of Wroclaw)
D. Cebra (University of California, Davis)
P. Gubler (Yonsei University)
H. Hamagaki (Nagasaki Institute of Applied Science)
H. Harada (Japan Atomic Energy Agency)
M. Harada (Nagoya University)
J. Heuser (GSI)
T. Kunihiro (Kyoto University)
M. Kweon (Inha University)
J. Milosevic (University of Belgrade)
K. Morita (YITP, Kyoto University)
S. Nagamiya (RIKEN/JAEA/KEK)
H. Noumi (RCNP, University of Osaka)
H. Ohnishi (RIKEN/RCNP, University of Osaka)
K. Ozawa (KEK)
H. Sako (Japan Atomic Energy Agency)
Y. Sekiguchi (Toho University)
E.A. Stokovsky (Joint Institute of Nuclear Research)

5. CONFERENCE VENUE

The workshop site is KEK Tokai Building 1, Room 116, whose address is;
203-1 Shirakata, Tokai-mura, Naka-gun, Ibaraki, JAPAN

6. ACCOMODATION

A limited number of rooms are reserved at J-PARC Tokai Dormitory and JAEA Masago International Lodging for the workshop near the venue. Participants should request a room in a registration form in the workshop web page. LOC will select one of the two dormitories for each participant.

7. J-PARC TOUR

We plan to have a J-PARC Tour for J-PARC Hadron Experimental Facility in the lunch time of Aug 9. Please check your participation in the registration form.

8. REGISTRATION

Registration fee is about 1,000 JPY. Registration form is in the web page

9. BANQUET

Banquet is planned in Aug 8 evening. The cost is about 5,000 JPY. Please check your participation in the registration form.

10. LUNCH

Since only a few restaurants are around the venue, we prepare for lunch boxes. The cost per lunch box will be about 1,000 JPY. Please reserve it in the registration form.

11. WORKSHOP WEB PAGE

For information on registration and further details, please refer to the web page;
<http://asrc.jaea.go.jp/soshiki/gr/hadron/workshop/reimei-34th/>

We look forward to seeing you in Tokai.

For the workshop organizers Hiroyuki Sako