

# ***International Workshop on Nuclear Physics at J-PARC***

Tokai, Ibaraki, Japan, June 1 – 2, 2007

[http://www-conf.kek.jp/NP\\_JPARC/index.html](http://www-conf.kek.jp/NP_JPARC/index.html)

Dear Nuclear Physics colleague,

This is the first circular of International Workshop on Nuclear Physics at J-PARC (NP@J-PARC), which will be held from June 1 – 2, 2007 in Tokai, Ibaraki, Japan. This workshop is one of the pre-symposia of INPC2007 to be held from June 3 – 8, 2007 in Tokyo, Japan.

As you might know, the construction of the J-PARC accelerator facility will be completed in early 2008. The beam commissioning of the injector linac has already started with a recent success of the beam acceleration up to 181 MeV in January, 2007. We expect several Day 1 experiments to run in 2008 - 2009.

The workshop will consist of plenary and parallel sessions. We will also organize a tour of the J-PARC construction site. Further, we expect several collaboration meetings of the J-PARC Day-1 experiments would be held at this occasion.

Soon, we are going to prepare our web page at [http://www-conf.kek.jp/NP\\_JPARC/index.html](http://www-conf.kek.jp/NP_JPARC/index.html) for registration etc. If you have some questions, please contact our scientific secretary through an e-mail address [npjparc@nexus.kek.jp](mailto:npjparc@nexus.kek.jp).

## **Subjects to be discussed**

Listed below are the subjects to be discussed at the workshop. We also welcome new ideas on the experiments at J-PARC.

1. Hypernuclear Structure
2. Baryon-Baryon Interactions
3. Hadron Structure
4. Hadrons in Nuclei

## **Invited Speakers (tentative)**

F. E. Close,	“Hadron Spectroscopy at J-PARC” (to be confirmed)
A. Gal,	“Strangeness nuclear physics at J-PARC”
X. Ji,	“Possible spin physics at J-PARC”
G. A. Miller,	“Strangeness-4 dibaryons” (to be confirmed)
E. Oset,	“Systematic Studies of Baryon Resonances in Chiral Unitary Model”
J.-C. Peng,	“Hadron physics with primary proton beam”
T. A. Rijken,	“Hyperon-Nucleon Interactions”
P. Senger,	“Possible heavy-ion physics at GSI and J-PARC”
J. Wambach,	“Medium modifications of meson masses”

## Programs

	AM	PM	Evening
June 1 (Fri)	Registration/ Plenary Session	<i>J-PARC Tour</i>	<i>Reception Party</i>
June 2 (Sat)	Plenary Session/ Parallel Sessions	Parallel Sessions/ Informal meetings	

The morning session of the first day is a plenary session of invited talks. We will have a site tour of the J-PARC in the afternoon of June 1, followed by a reception party in the evening. On June 2, the morning session will start with several invited talks and have parallel sessions, which will be continued in the afternoon session. After the parallel sessions, several informal meetings including the collaboration meetings of the J-PARC Day 1 experiments will be organized.

## Call for contributions

For those who are interested in giving a talk in the parallel sessions, please send your one-page abstract to [npjparc@nexus.kek.jp](mailto:npjparc@nexus.kek.jp) via e-mail by March 31, 2007. Because of time limitation, we may not be able to take many contributions.

## Workshop Site

“Ricotti” in Tokai, Ibaraki, Japan.

“Ricotti” is located in front of the east exit of the JR railway station of “Tokai” in Joban Line. From the Narita International airport, you can take a bus called “Rose Liner” connecting Narita airport and Hitachi station via Tokai station. It takes about two and a half hours with a fair of 3,000 yen.

Time Table of “Rose Liner”

Narita Terminal No.2	Narita Terminal No.1	Mito Station	Tokai Station
7:30	7:35	9:23	10:07
9:10	9:15	11:03	11:47
10:20	10:25	12:13	12:57
14:25	14:30	16:18	17:02
15:55	16:00	17:48	18:32
17:05	17:10	18:58	19:42
18:25	18:30	20:18	21:12
19:35	19:40	21:23	22:07
20:45	20:50	22:21	22:58

(As of 16-Sep.-2006)

## Registration

Registration fee of the workshop is 8,000 yen. Please pay it at the registration desk of the workshop.

**Accommodation**

A limited number of rooms at three hotels have been reserved especially for foreign participants from the night of May 31 till the morning of June 3. Hotels are located near the JR Mito station. It takes less than a half hour from Mito Station to Tokai Station via train with a fair of 230 yen. The rates below include tax and 10% service charge, but do not include breakfast fees.

- Sannomaru Hotel

Single room: 7900 Yen/person/night

Twin room: 12000 Yen/room/night or  
7900 Yen/person/night for single use

- Mito Keisei Hotel

Single room: 9000 Yen/person/night

Twin room: 13000 Yen/room/night or  
9000 Yen/person/night for single use

- Holiday Inn Mito (LAN connection is available in all rooms)

Single room: 10395 Yen/person/night

Twin room: 16170 Yen/room/night or  
13860 Yen/person/night for single use

The organizing committee will arrange the rooms for participants from abroad, who send us a request form below **no later than April 20**.

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**Hotel Request From: send to npjparc@nexus.kek.jp by April 20**

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- Hotel (your preference with x)
  - ( ) Mito Keisei Hotel
  - ( ) Sannomaru Hotel
  - ( ) Holiday Inn Mito

*Please understand that you might be arranged for the other hotel than the one you requested because the number of the rooms is limited.*

- First/Middle Name:
- Family Name:
- Street Address:

- City:
  - Country:
  - Telephone Number/Fax number:
  - Email address:
  - The number of persons:
  - Arrival date:
  - Departure date:
- 

*For Japanese participants, please reserve your room by yourself. Through Internet, you can find many business-type hotels near MITO Station and KATSUTA Station. Please keep in mind that Sannomaru Hotel and Mito Keisei Hotel are reserved primarily for participants from abroad.*

#### **Organizing Committee**

Akinobu Dote (KEK)  
Satoru Hirenzaki (Nara Women's)  
Kazunori Itakura (KEK)  
Shunzo Kumano (KEK)  
Osamu Morimatsu (KEK)  
Tomofumi Nagae (Chair, KEK)  
Akira Ohnishi (Hokkaido)  
Hiroaki Ohnishi (RIKEN)  
Kyoichiro Ozawa (Tokyo)  
Naohito Saito (KEK)  
Atsushi Sakaguchi (Osaka)  
Shin'ya Sawada (KEK)  
Toshiyuki Takahashi (KEK)  
Hirokazu Tamura (Tohoku)

We look forward to seeing you in Tokai in June, 2007.



For the organizers of NP@J-PARC

Tomofumi Nagae