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## YKIS2011 Second Circular

### Yukawa International Seminar 2011 ``Frontier Issues in Physics of Exotic Nuclei" (YKIS2011)

11 ~ 15 October, 2011

Yukawa Institute for Theoretical Physics, Kyoto, Japan.

URL: <http://www2.yukawa.kyoto-u.ac.jp/~ykis2011/ykis/index.html>



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Yukawa International Seminar 2011 ``Frontier Issues in Physics of Exotic Nuclei" (YKIS2011, from 11 October, 2011 to 15 October, 2011) will be held at Yukawa Institute for Theoretical Physics (YITP), Kyoto University. Yukawa Institute for Theoretical Physics is on the main campus of Kyoto University located near the down town of a historical city, Kyoto.

#### 1) Scientific program

In the YKIS2011, we will focus on the following subjects and discuss forefront issues in physics of exotic nuclei including recent experimental and theoretical activities in this field. The scientific program will start in the morning of 11 October and end before lunch on 15 October (tentative).

Subjects include:

- \* Shell evolution and single-particle motion
- \* Clustering and pair correlations
- \* Collectivity and shape dynamics
- \* Exotic excitations and exotic states
- \* Weakly bound and unbound nuclei
- \* Direct and compound reactions, radioactive decays involving exotic nuclei
- \* Dynamics and structure of superheavy nuclei
- \* Asymmetric matter at various conditions
- \* Exotic nuclei in astrophysics
- \* Large-scale calculations and ab-initio theories

## **2) Invited speakers of YKIS2011**

D. Ackermann (GSI), A.N. Andreyev (West Scotland), B.A. Brown (MSU), J. Dilling (TRIUMF), U. Garg (Notre Dame), G. Hagen (Oak Ridge), C.J. Horowitz (Indiana), M. Kimura (Hokkaido), R. Kruecken (TRIUMF), G. Martinez-Pinedo (GSI), T. Myo (Osaka Tech.), T. Nakamura (TIT), P. Navratil (TRIUMF), W. Nazarewicz (Tennessee), K. Ogata (RCNP), G.V. Rogachev (Florida), H. Schatz (MSU), H. Scheit (RIKEN), O. Sorlin (GANIL), J.A. Tostevin (Surrey), H. Ueno (RIKEN), T. Uesaka (RIKEN), E. Vigezzi (Milano), D. Vretenar (Zagreb), K. Yoshida (Niigata)

## **3) Call for abstracts**

Those who wish to present their work should submit a one-page abstract of A4 size to [ykis2011-abst\[at\]yukawa.kyoto-u.ac.jp](mailto:ykis2011-abst@yukawa.kyoto-u.ac.jp) (please replace [at] by @) as an attached PDF file. The deadline is 31 May, 2011. The format is arbitrary, but the LaTeX template file is available at <http://www2.yukawa.kyoto-u.ac.jp/~ykis2011/ykis/abstracts.html>

Oral and poster presentations will be selected from the submitted abstracts.

## **4) Registration**

The on-line registration will start in the beginning of May and will be closed on 31 August. The registration fee is 10,000 JPY (5,000 JPY for students and accompany persons) which covers conference dinner and refreshments. The fee must be paid by cash at the symposium desk upon your arrival.

## **5) Proceeding**

Proceedings of YKIS2011 will be published in a supplement volume of Progress of Theoretical Physics: <http://www2.yukawa.kyoto-u.ac.jp/~ptpwww/link-supplement.html>

## 6) Accommodation

Each participant is asked to make reservation of accommodation by him/herself. A limited number of rooms in several hotels in Kyoto are arranged for the symposium period. The on-line reservation for these rooms will open in the beginning of May and will be closed on 13 September. October is high season in Kyoto, so please make reservations as early as possible.

## 7) Access to YITP

The access information to the conference site (Yukawa Institute for Theoretical Physics, Kyoto University) can be found at:

<http://www.yukawa.kyoto-u.ac.jp/english/contents/guide/map.html>

## 8) Long term workshop

The YKIS2011 conference will be held during the long-term workshop "Dynamics and Correlations in Exotic Nuclei" (DCEN2011, from 20 September, 2011 to 28 October, 2011). Application is needed for the participation. The details can be found at the following web site: <http://www2.yukawa.kyoto-u.ac.jp/~ykis2011/dcen/index.html>

## 9) Contact address:

### Questions:

ykis2011[at]yukawa.kyoto-u.ac.jp (please replace "[at]" with "@")

YKIS2011 secretariat (Naoyuki Itagaki)

Yukawa Institute for Theoretical Physics

Kitashirakawa Oiwake-Cho, 606-8502 Kyoto, Japan

### Abstract submission:

ykis2011-abst[at]yukawa.kyoto-u.ac.jp (please replace "[at]" with "@")

## Important dates

<b>Beginning of May:</b>	<b>Start of the accommodation reservation</b>
<b>Beginning of May:</b>	<b>Start of the registration</b>
<b>31 May:</b>	<b>Deadline for submitting abstracts</b>
<b>Beginning of July:</b>	<b>Notification of the result of abstracts submission</b>
<b>31 August:</b>	<b>Deadline for the registration</b>
<b>13 September:</b>	<b>Deadline for the lodging reservation</b>
<b>11-15 October:</b>	<b>YKIS2011</b>

**International advisory committee:**

T. Aumann (GSI), T. Kajino (NAOJ), K. Kato (Hokkaido), M. Lewitowicz (GANIL), H. Miyatake (KEK), D.J. Morrissey (MSU), W. Nazarewicz (Tennessee), T. Otsuka (Tokyo), Y. Sakuragi (Osaka City), T. Shimoda (Osaka), S. Shimoura (Tokyo), J.A. Tostevin (Surrey), K. Yabana (Tsukuba)

**Organizing committee:**

K. Hagino (Tohoku), T. Ichikawa (YITP), N. Itagaki (YITP, scientific secretary),  
Y. Kanada-En'yo (Kyoto, co-chair), T. Kawabata (Kyoto), M. Kimura (Hokkaido), M. Matsuo (Niigata, co-chair), T. Nakamura (TITECH), T. Nakatsukasa (RIKEN), K. Ogata (RCNP),  
A. Ohnishi (YITP), H. Sakurai (RIKEN), Y. Utsuno (JAEA), M. Yamagami (Aizu)

**Host Institutes:**

Yukawa Institute for Theoretical Physics, Kyoto University

**Cosponsors:**

Kyoto University GCOE program

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Yukawa Memorial Foundation