

# YKIS2011: Frontier Issues in Physics of Exotic Nuclei

Oct. 11-15, 2011 Yukawa Institute for Theoretical Physics,  
Kyoto University, Kyoto, Japan



## TOPICS

including recent experimental and theoretical activities

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

## INVITED SPEAKERS

|                    |                |
|--------------------|----------------|
| D. Ackermann       | P. Navrátil    |
| A. N. Andreyev     | W. Nazarewicz  |
| B. A. Brown        | K. Ogata       |
| J. Dilling         | G. V. Rogachev |
| U. Garg            | H. Schatz      |
| G. Hagen           | H. Scheit      |
| C. J. Horowitz     | O. Sorlin      |
| M. Kimura          | J. A. Tostevin |
| R. Krücken         | H. Ueno        |
| G. Martinez-Pinedo | T. Uesaka      |
| T. Myo             | E. Vigezzi     |
| T. Nakamura        | D. Vretenar    |
|                    | K. Yoshida     |

## INTERNATIONAL ADVISORY COMMITTEE

T. Aumann, T. Kajino, K. Kato, M. Lewitowicz, H. Miyatake,  
D.J. Morrissey, W. Nazarewicz, T. Otsuka, Y. Sakuragi,  
T. Shimoda, S. Shimoura, J. A. Tostevin, K. Yabana

## ORGANIZERS

K. Hagino, T. Ichikawa, N. Itagaki, Y. Kanada-En'yo (co-chair),  
T. Kawabata, M. Kimura, M. Matsuo (co-chair), T. Nakamura,  
T. Nakatsukasa, K. Ogata, A. Ohnishi, H. Sakurai, Y. Utsuno, M. Yamagami

## SPONSORS

Kyoto University GCOE program  
"The Next Generation of Physics Spun  
from Universality and Emergence"

Yukawa Memorial Foundation

Joint activity at YITP  
YIPQS long-term workshop on  
"Dynamics and Correlations  
in Exotic Nuclei" (DCEN2011)  
Sep. 20-Oct. 28, 2011



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<http://www2.yukawa.kyoto-u.ac.jp/~ykis2011/>