

# 第六届 北京亚原子物理国际暑期学校 2011年8月27日—31日

## INTERNATIONAL SUMMER SCHOOL ON SUBATOMIC PHYSICS

6th Course: New Frontiers of Nuclear Physics

Beijing, August 27-31, 2011

Co-organized by:

RIKEN Nishina Center, Wako, Japan

Gesellschaft für Schwerionenforschung GmbH (GSI), Darmstadt, Germany

Grand Accélérateur National d'Ions Lourds (GANIL), Caen, France

Institute of Modern Physics (IMP), Chinese Academy of Sciences, Lanzhou, China

Institute of Theoretical Physics (ITP), Chinese Academy of Sciences, Beijing, China

China Institute of Atomic Energy (CIAE), Beijing, China

China Center of Advanced Science and Technology (CCAST), Beijing, China

Beijing Institute of Modern Physics (BIMP), Beijing, China

Chinese Nuclear Physics Society (CNPS), Beijing, China

Peking University (PKU), Beijing, China

The school will consist of lectures by the following invited lecturers and of short presentations by the participants. Invited lecturers are:

**K. Blaum** (MPI-K Heidelberg, Germany, *Precision mass measurements of short-lived radionuclides*), **S. Gales** (GANIL, France, *GANIL -SPIRAL2*), **C.J. Lin** (CIAE, China, *Experimental progress in two-proton correlated emission*), **W.P. Liu** (CIAE, China, *Introduction of nuclear astrophysics and related experimental techniques*), **T. Nakatsukasa** (RIKEN, Japan, *Single-particle and collective motions in nuclei*), **M. Ploszajczak** (GANIL, France, *The shell model for open quantum systems*), **P. Ring** (TUM, Germany, *Density functional theory for ground states and excited states in nuclei*), **H. Sakurai** (RIKEN, Japan, *New generation of nuclear physics with RIBF*), **A. Schwenk** (TU Darmstadt, Germany, *Chiral effective field theory and nuclear structure*), **B. Sherrill** (MSU, USA, *Methods and facilities for production of radioactive ion beams, An introduction to nuclear astrophysics*), **I. Tanihata** (Osaka Univ., Japan/BUAA, China, *Neutron halo and tensor forces in nuclei*), **Y.H. Zhang** (IMP, China, *Mass measurements of short-lived nuclides using CSRe in Lanzhou*), **Y.L. Ye** (PKU, China, *Breakup reaction and its application to the study of nuclear structure*), **S.G. Zhou** (ITP, China, *Properties and synthesis of superheavy elements*)

### Advisory committee

J. Äystö (Jyväskylä), R. Casten (Yale), S. Gales (GANIL), Z.Z. Gan (BIMP), P.W. Ji (NSFC), T. Kishimoto (Osaka), W. Nazarewicz (Oak Ridge), T. Otsuka (Tokyo), W.Q. Shen (SINAP), S. Shimoura (Tokyo), I. Tanihata (Osaka/BUAA), H. Toki (Osaka), Y. L. Wu (ITP), G.Q. Xiao (IMP), Y. Yano (RIKEN), M.H. Ye (CCAST), Y.L. Ye (PKU), W.L. Zhan (IMP), H.Q. Zhang (CIAE), Z.Y. Zhang (IHEP), E.G. Zhao (ITP)

### Organizing committee

W.Q. Chao (CCAST), H. Feldmeier (GSI, co-chair), W.P. Liu (CIAE), J. Meng (PKU, chair), M. Pu (NSFC), H. Sakurai (RIKEN, co-chair), H.S. Xu (IMP), S.G. Zhou (ITP), S.Y. Zhu (CNPS)

### Topics include:

Theoretical and Experimental Nuclear Physics and Nuclear Astrophysics

### Goals of the school

The school will be held every two years in summer and it is intended for graduate students and young researchers who are interested in the fields of subatomic physics. It aims: (1) to promote and encourage talented young physicists and students and build an efficient linkage of young researchers with the other international colleagues; (2) to exchange ideas and share information in depth research on typical problems at the forefront of contemporary developments in nuclear physics; (3) to deepen the future research cooperation and strengthen the interaction between theoretical and experimental studies; (4) to present the most recent research results; (5) to stimulate contact between the people and promote the culture exchange and communication of young generation.

### Date and Place

The lectures will begin in the morning of August 27, and end in the afternoon of August 31. The school is hosted by Peking University in Beijing.

### Tour and Other:

A half-day excursion is planned. We can also help to book tickets for sightseeing to other cities in China after the summer school. Please tell us your requests when you send back the registration form.

### Registration Fee and Local Fees

(1) Local expenses are covered and no registration fee is charged for the lecturers; (2) For the participants, fees for registration and local expenses in total are US\$500; (3) Supports for local expenses and/or registration fee are available upon application; (4) The accompany person should pay US\$200 for the welcome party, meals, banquet, and culture events.

Those who are interested in participation should complete the registration on the website [www.jcnp.org](http://www.jcnp.org)

Dr. H.Z. Liang, Dr. L.L. Li, and Dr. L. Liu

[issp@jcnp.org](mailto:issp@jcnp.org)

<http://www.jcnp.org/>

School of Physics,

Peking University, Beijing 100871, China

Tel.: 86-10-62767013 Fax: 86-10-62765620

