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First Circular
The Fifth International Workshop on
Direct Reactions With Exotic Beams
(DREB2007)
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October 2006

Dear Colleagues,

It is a great pleasure to announce that the next International Workshop (DREB2007) on "Direct reactions with Exotic Beams" will be held in Wako campus of RIKEN, conveniently located in the suburb of Tokyo, on May30-June 2, 2007. This is a satellite workshop of the International Nuclear Physics Conference at Tokyo (June 3-8, 2007); see <http://www.inpc2007.jp/>.

DREB2007 is the fifth International Workshop in a series of workshops initialized by researchers from MSU, Florida, Saclay and Orsay. The earlier meetings were held in 1999 at Michigan State University (USA), in 2001 at IPN Orsay (France), in 2003 at the University of Surrey (England) and in 2005 at Michigan State University (USA). DREB2007 intends to present the latest topics in the field and stimulate fruitful discussions.

DREB2007 is hosted by Faculty of Science at Kyushu University¹, RIKEN Nishina Center for Accelerator-Based Science² and Center for Nuclear Study (CNS) at the University of Tokyo³.

We are looking forward to seeing you in Wako campus of RIKEN.

Sincerely yours,
Organizers

1. <http://www.sci.kyushu-u.ac.jp/e/>
2. <http://www.riken.jp/engn/index.html>
3. <http://www.cns.s.u-tokyo.ac.jp/index.shtml>

Scientific Program

The scientific content will address the extraction of nuclear structure and astrophysical information from direct reactions with exotic beams as well as the understanding of reaction mechanisms. It will include the latest theoretical and experimental topics on varieties of reaction studies.

Workshop Topics

1. inelastic scattering and varieties of nuclear responses
2. breakup reactions and exotic correlation
3. elastic scattering / reaction cross section and proton/neutron distribution in nuclei
4. nucleon knockout / transfer reactions and single particle structure in asymmetric fields
5. recent reaction theories and effective interaction at the extremes of nuclear stability
6. interplay between reaction and structure theories
7. resonance scattering in inverse kinematics
8. sub- and near-barrier fusion with exotic nuclei
9. nuclear astrophysics studied by reactions with exotic nuclei
10. recent and future developments in experimental and computational methods

Workshop information

Date : **30th May, 2007 – 2nd June, 2007**

Place : RIKEN Wako Campus*

Webpage: <http://rarfaxp.riken.go.jp/DREB2007/>

Contact address: **DREB2007@ribf.riken.jp**

*The access to Wako campus is shown in

<http://www.riken.jp/engn/r-world/riken/campus/wako/access.html>

Program and abstract submission

The workshop consists of oral and poster presentations. Detailed information about the abstract submission will be provided in the next circular.

Financial support

Limited funds are available for young participants. The details will be given in the next circular.

Committee

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