

Ninth Summer School on Exotic Beam Physics

August 2 - 6, 2010

Holifield Radioactive Ion Beam Facility

Oak Ridge National Laboratory

Oak Ridge, Tennessee, USA

http://fribusers.org/4_GATHERINGS/2_SCHOOLS/2010/EBSS2010.html

The Ninth Summer School on Exotic Beam Physics will be held at Oak Ridge National Laboratory from August 2-6, 2010. The aim of this annual school is to educate young researchers on the excitement and challenges of radioactive ion beam physics and associated theoretical approaches. Through these schools, the research community will be able to more fully exploit the opportunities created by the next generation exotic beam facilities, such as the Facility for Rare Isotope Beams (FRIB) in the U.S.

Lecturers for the summer school 2010 include:

Carl Brune, Ohio Univ.: Nuclear Astrophysics

Partha Chowdhury, Univ. Massachusetts Lowell: Nuclear Structure Experiments

Martin Freer, Univ. Birmingham: Nuclear Reactions

Alejandro Garcia, Univ. Washington: Weak Interactions

Ken Gregorich, Lawrence Berkely National Lab: Superheavies

Robert Gryzwacz, Univ. Tennessee: Digital Signal Processing

Ritu Kanungo, St. Mary's Univ.: Nuclear Reactions

Suzanne Lapi, Washington Univ. St. Louis: Medical Physics

Kim Lister, Argonne National Lab: FRIB Overview

Dave Morrissey, Michigan State Univ.: RIB Production

David Radford, Oak Ridge National Lab: Gamma Ray Tracking

Bob Wiringa, Argonne National Lab: Nuclear Structure Theory

Vladimir Zelevinsky, Michigan State Univ.: Nuclear Structure Theory

Students will also have the opportunity to present their research in a special session.

A unique feature of this summer school series is the **hands-on activities** where students spend their afternoons in the lab of a radioactive beam facility, learning about the techniques and instrumentation needed to carry out experiments with unstable beams. This year, the hands-on activities will be at the Holifield Radioactive Ion Beam Facility (HRIBF) at ORNL.

The ninth summer school on exotic beam physics will be supported by DOE,

NSF, JHIR, and the following laboratories: ANL, LBNL, LLNL, ORNL, and NSCL/MSU. The school, which is an annual event, rotates among the various laboratories and is specifically designed for graduate students, senior undergraduate students who are actively involved in research, and postdocs (within 2 years of the PhD degree).

The dateline for receipt of a completed application -- including a letter of support from your advisor / supervisor to coordinator@fribusers.org -- is May 15, 2010. Notification of acceptance will be sent by June 1, 2010, and applicants must confirm their attendance by June 15, 2010. All places not confirmed by June 15 will be offered to another candidate on the waiting list.

It is anticipated that all local costs for the participants will be covered by the school. Further details can be found on the school website

http://fribusers.org/4_GATHERINGS/2_SCHOOLS/2010/EBSS2010.html

as they become available, including the online registration form.

We look forward to your participation in the Ninth Summer School on Exotic Beam Physics in August!

Sincerely,

Kim Lister, Argonne National Laboratory
Augusto Macchiavelli, Lawrence Berkeley National Laboratory
Michael Smith, Oak Ridge National Laboratory
Mark Stoyer, Lawrence Livermore National Laboratory
Remco Zegers, Michigan State University