

Symposium on
"SCIENCE WITH RARE ISOTOPE BEAMS"
 19-20 December, 2005

Part of **Pacifichem 2005**
 December 15-20, 2005
 Honolulu, Hawaii

Science with Rare Isotope Beams Program

updated 12.06.05

Morning Session

Monday December 19

Robert Louis Stevenson Room, Sheraton Princess Kaiulani

8:00 - 11:40 AM

Session Chair: Betty Tsang, Michigan State University and NSCL

7:55 AM	Tsang, Betty (MSU/NSCL)	Welcome and introduction
8:00 AM	Motobayashi, Tohru (RIKEN)	RI Beam Factory - the Upgraded RIKEN Facility for Exotic Beams
8:30 AM	Morrissey, D. (MSU/NSCL)	Rare isotope research capabilities at the NSCL today and at RIA in the future
9:00 AM	Xiao, Guoqing (Inst. Mod. Phy., CAS)	Status and prospects of RIB study at IMP
9:25 AM	Shotter, Alan (TRIUMF)	Progress at ISAC, TRIUMF
9:55 AM	Vieira, David (LANL, to be confirmed)	Isotope Harvesting of Recoil-Separated Reaction Products and a Concept for a Neutron Facility at RIA
10:15 AM	Turrell, Brian (UBC)	Studies of nuclei and materials by orientation of implanted nuclei
10:35 AM	Kiefl, R. (TRIUMF)	Low energy polarized radioactive nuclei as a local probe of the magnetic and electronic properties of thin films and nanostructures
10:55 AM	Kronenberg, Andreas (Oak Ridge Assoc. U.)	New Actinide Targets for Rare Isotope Beam Generation
11:15 AM	Loveland, Walter (Oregon State U.)	Fusion Enhancement in the $^{38}\text{S} + ^{208}\text{Pb}$ reaction

Beverages provided by Varian Inc.

Afternoon Session

Monday December 19

Robert Louis Stevenson Room, Sheraton Princess Kaiulani

1:00 - 4:20 PM

Session Chair: Ming-chung Chu, The Chinese University of Hong Kong

Conferences

1:00 PM	Liu, Wei-ping (CIAE)	Indirect measurement of $^8\text{Li}(n,\gamma)^9\text{Li}$ astrophysical reaction
1:20 PM	Ma, Yu-Gang (Shanghai IAP)	Isoscaling behavior from fission, evaporation, projectile fragmentation and multifragmentation
1:50 PM	Ono, Akira (Tohoku)	Multifragmentation and the density dependence of symmetry energy
2:20 PM	Yennello, Sherry (Texas A&M)	Determining the density dependence of the symmetry energy in the equation-of-state of asymmetric nuclear matter through heavy-ion collisions
2:50 PM	Lynch, William (MSU/NSCL)	Probing the EOS of asymmetric matter
3:20 PM	Horowitz, Charles (Indiana)	The parity radius experiment, the structure of neutron rich nuclei, and neutron stars
3:50 PM	Geissel, Hans (GSI)	Experiments and goals with the present and future in-flight separators at GSI

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Evening Session	Monday December 19
Elima Room, Hyatt Regency Waikiki	7:00 - 9:00 PM

Session Chair: Hisaaki Kudo, Niigata University

7:00 PM	Brenner, Daeg (Clark U.)	Valence proton-neutron interactions and the new atomic masses
7:20 PM	Chartier, Marielle (U. of Liverpool)	Direct Mass Measurements of Exotic Nuclei at GANIL
7:40 PM	Dilling, Jens (TRIUMF)	High precision mass measurements on radioisotopes with TITAN at ISAC/TRIUMF; concept and status
8:00 PM	Ichikawa, Shin-ichi (TOKAI)	Status of the ISOL-based radioactive ion beam facility at JAERI, Tokai
8:20 PM	Sydney, Gales (CNRS)	SPIRAL2: A world leading ISOL facility for RIB at the dawn of a new decade
8:40 PM	Ye, Yanlin (Peking U.)	Study of the structure of the light neutron rich nuclei at Peking University

Morning Session	Tuesday December 20
Robert Louis Stevenson Room, Sheraton Princess Kaiulani	8:00 - 11:35AM

Session Chair: Walter Loveland, Oregon State University

8:00 AM	Ressler, Jennifer Jo (Simon Fraser)	Search for isomers in the neutron-rich Cu and Zn isotopes
8:20 AM	Kolata, James (Notre Dame)	^6He transfer/breakup mechanisms near the Coulomb barrier from neutron/charged-particle coincidence measurements

Conferences

8:45 AM	Aoi, Nori (RIKEN)	gamma-spectroscopy of neutron rich pfg-shell nuclei
9:10 AM	Aumann, Thomas (GSI)	Electromagnetic Excitation of Soft and Giant Resonances in ^{132}Sn and Neighboring Nuclei
9:35 AM	Gade, Alexandra (MSU/NSCL)	Nuclear spectroscopy with fast exotic beams
10:00 AM	Iwasaki, Hironori (U. of Tokyo)	Spectroscopy of neutron-rich nuclei around $N = 20$ via intermediate-energy Coulomb excitation
10:25 AM	Lemmon, Roy (CCLRC Daresbury Lab)	Transfer and Quasifree Scattering Reactions with Radioactive Ion Beams
10:45 AM	Jones, Kate (ORNL)	Studies of neutron-rich nuclei with (d,p) reactions in inverse kinematics
11:10 AM	Austin, Roby (Saint Mary's)	TIGRESS: A versatile tool for gamma-ray spectroscopy at the radioactive beam facility ISAC

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