

RIBF ULIC Symposium/mini-WS Report

* English only

Date: June 2, 2011

Name of Applicant	Toshiyuki Sumikama		
Affiliation	Tokyo University of Science	e-mail	sumikama@ph.noda.tus.ac.jp
Tel	04-7124-1501 (ex:3271)	Fax	04-7123-9361

Title	[RIBF-ULIC-miniWS-003] Nuclear Physics with energy-degraded RI beam at RIBF
Date	May 25, 2011
Place	RIBF Building 2F Conference Hall (10:00 –), 2F Meeting Room (14:00 –)
Language	<input checked="" type="checkbox"/> English <input type="checkbox"/> Japanese
HP address	http://indico.riken.jp/indico/conferenceDisplay.py?confid=448
Contact Person(s) (Name, Affiliation)	Toshiyuki Sumikama, Tokyo Univ. of Science, Eiji Ideguchi, CNS, Univ. of Tokyo

Financial support from ULIC	Total :	JPY
	[Breakdown] Takashi Teranishi : 40,600, Nobuaki Imai : 6,320 Heiko Scheit : 5,230	
Co-hosting / any financial support from other organization(s)	None	

Summary of discussions and its (expected) results:

The energy degraded RI beams down to 5 MeV/u provide new opportunities to study nuclear structures with a wide variety of reactions. A new approach to bunch the beam energy distribution, which has been approved at 8th NP-PAC, was discussed for several typical cases. Typical physical cases, which are high-spin-state study, and studies with transfer reactions and resonance elastic scattering, were presented. The requirement for the energy-degraded-RI beams was also shown for each reaction. Many efforts are needed for this project, so discussions with participants about physics cases and technical issues were significant at early stage. Finally, we discussed about collaboration and details of experiment to develop and demonstrate the energy degraded RI beams.

Participants list(Name, Affiliation):

Eiji Ideguchi,	CNS. Univ. of Tokyo
Shinichiro Michimasa,	CNS, Univ. of Tokyo
Takashi Teranishi	Kyushu Univ.
Kenta Yoshinaga,	Tokyo Univ. of Science
Heiko Scheit	TU Darmstadt
Akitsu Ikeda	RIKEN
Yuichi Ichikawa	RIKEN
Tasutaka Taniguchi	RIKEN
Yasuhiro Togano	RIKEN
Jenny Lee	RIKEN
Nobuaki Imai	KEK
Nori Aoi	RCNP, Osaka Univ.
Toshiyuki Sumikama	Tokyo Univ. of Science

Please attach other documents as needed.