

# RIBF ULIC Symposium/mini-WS Report

\* English only

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Title	[RIBF-ULIC-Sym011 : Low-Energy Radioactive Isotope Beam (RIB) Production by In-Gas Laser Ionization for Decay Spectroscopy at RIKEN]		
Date	Dec 10-11, 2012		
Place	RIKEN Nishina Center, RIBF2F		
Language	[ x ] English [ ] Japanese		
HP address	<a href="http://kekmb.kek.jp/workshop/postEMIS2012/">http://kekmb.kek.jp/workshop/postEMIS2012/</a>		
Contact Person(s) (Name, Affiliation)	Michiharu Wada, RIKEN		

Financial support from ULIC	Total :	126,390	JPY
	[Breakdown] Travel expense and Accommodation : 96,040 (H. Iimura: 10,680, H. Koura: 10,680, H. Tomita: 23,760, T. Takatsuka: 25,460, Y. Adachi: 25,460) Coffee, Snacks : 30,350		
Co-hosting / any financial support from other organization(s)	KEK		

## Summary of discussions and its (expected) results:

In the symposium, equipment overview, physics cases, and technical issues related to the In-Gas Laser Ionization and Spectroscopy (IGLIS) were discussed. Present status of LISOL, KISS, PALIS, GARIS, MRTOF were reported. Several physics cases, such as measurements of life-time, mass, delayed-neutron emission probability, nuclear spins, moments, and charge radii. Important technical issues such as behavior of trace elements in gases, atomic properties of elements, ion extraction and transportation in low pressure under differential pumping were discussed.

In the discussion section, variety of possible collaboration were discussed. In particular, a new collaboration network, named IGLIS-NET was established and many laboratories in the world agreed to participate to the network. The host institute for the new network was assigned to KEK who will provide a web site and mailing list. KEK will also be an editorial desk for the quarterly news letter.

## Participants list(Name, Affiliation):

Fedosseev	Valentin	CERN / Switzerland
Kahl	David	CNS
Kubono	Shigeru	CNS/RIKEN
Nath	Subir	Inter Univ. Accelerator Centre (New Delhi, India)
Iimura	Hideki	JAEA
Koura	Hiroyuki	JAEA

Iimura	Hidenori	JAEA	
Sergey	Zemlyanoy		JINR / Russia
Hirayama	Yishikazu	KEK	
Ishiyama	Hironobu	KEK	
Jeong	Sunchan	KEK	
Miyatake	Hiroari	KEK	
Nomura	Toru	KEK	
Oyaizu	Michihiro	KEK	
Watanabe		Yutaka	KEK
Ferrer	Raefel	KU Leuven	
Huyse	Mark	KU Leuven	
Kudriyavtsev		Yuri	KU Leuven
Van den Bergh		Paul	KU Leuven
Van Duppen		Piet	KU Leuven
Adachi	Yoshitaka	Nagoya University	
Takatsuka		Takaaki	Nagoya University
Tomita	Hideki	Nagoya University	
Ge	Yuncheng		Peking Univ. / China
Haba	Hiromitsu	RIKEN	
Matsuo	Yukari	RIKEN	
Sonoda	Tetsu	RIKEN	
Wada	Michiharu	RIKEN	
Nishimura		Shunji	RIKEN
Sakai	Hideyuki	RIKEN	
Yang	Xiaofei	RIKEN	
Wu	Jin	RIKEN	
Kohama	Akihisa	RIKEN	
Ishihara	Masayasu	RIKEN	
Yoneda	Kenichiro	RIKEN	
Motobayashi		Tohru	RIKEN
Kim	Yung-Hee		Seoul National Univ. / Korea
Furukawa	Takeshi	Tokyo Metropolitan Univ.	
Kwiatkowski		Ania	TRIUMF
Mukai	Momo	Tsukuba Univ.	
Ito	Yuta	Tsukuba Univ. /RIKEN	
Schury	Peter	Tsukuba Univ./ RIKEN	
COCOLIOS		Thomas Elias	Univ. Menchester/CERN
Moore	Iain	Univ. of Jyvaskyla/ Finland	
Yalagoud		Nabhiraj P	VECC/India

Please attach other documents as needed.