

RIBF ULIC Symposium/mini-WS Report

* English only

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Name of Applicant	Eiji Ideguchi		
Affiliation	CNS, University of Tokyo	e-mail	ideguchi@cns.s.u-tokyo.ac.jp
Tel	4927	Fax	048-464-4554

Title	[RIBF-ULIC-Symposium:008] Frontier of gamma-ray spectroscopy (gamma11)
Date	June 30 – July 2, 2011
Place	RIBF Building 2F Conference Hall
Language	<input checked="" type="checkbox"/> English <input type="checkbox"/> Japanese
HP address	http://indico.riken.jp/indico/conferenceDisplay.py?confId=444 http://www.cns.s.u-tokyo.ac.jp/gamma11/
Contact Person(s) (Name, Affiliation)	Tohru Motobayashi, RIKEN Nishina Center

Financial support from ULIC	Total :	213,184	JPY
	[Breakdown] Travel:		
	AOI, Nori	39,100	
	ODAHARA, Atsuko	46,068	
	HAGINO, Kouichi	25,626	
	KOIKE, Takeshi	39,360	
	Coffee, Snacks:	63,030	
Co-hosting / any financial support from other organization(s)	CNS, University of Tokyo		

Summary of discussions and its (expected) results:

We discussed the recent progress and the future perspective of nuclear structure studies strongly related to the gamma-ray spectroscopy. Latest experimental and theoretical results as well as recent developments of advanced gamma-ray detectors were presented. During the symposium, research subjects related to the following topics were extensively discussed.

- * Development of detectors and experimental methods
- * Collectivities and shell effects in neutron/proton-rich nuclei
- * Shell structure and stability of very heavy nuclei
- * Exotic deformation / new collective motion at low and high spin
- * Single particle motion in isomeric states
- * Hyper nuclei

In addition to the physics discussions, a future collaboration for experimental programs at RIBF was discussed. Formation of the "SUNFLOWER" collaboration as a new framework was discussed. SUNFLOWER stands for **S**pectroscopy of **U**nstable **N**uclei with **F**ast and **sLOW** beam **E**xperiments at **RIBF**. It is intended to be a framework to coordinate experimentalists aspiring to reach the heart of the structure study of unstable nuclei with fast and decelerated RI beams at RIBF by means of gamma-ray measurements. At the end of the symposium, the function of SUNFLOWER and organizational structure were discussed. SUNFLOWER starts with "fast and slow beam experiments", but it could be extended to cover other types of gamma-spectroscopy experiments at RIBF in future.

Details: For details see: <http://www.cns.s.u-tokyo.ac.jp/gamma11/>

Participants list(Name, Affiliation):

	Name	Institution		Name	Institution
1	AIBA, Hirokazu	Kyoto Koka Women's College	44	NAKAJIMA, Daisuke	CNS, University of Tokyo
2	AOI, Nori	RCNP, Osaka University	45	NAKATSUKASA, Takashi	RIKEN Nishina Center
3	BABA, Hidetada	RIKEN Nishina Center	46	NISHIMURA, Daiki	RIKEN Nishina Center
4	CARPENTER, Michael	Argonne National Laboratory	47	NISHIMURA, Shunji	RIKEN Nishina Center
5	CIEMALA, Michal	Institute of Nuclear Physics PAN, Poland	48	NOMURA, Kosuke	University of Tokyo
6	CORSI, Anna	CEA Saclay/IRFU/SPhN	49	OBERTELLI, alexandre	CEA Saclay
7	CRAWFORD, Heather	LBNL	50	ODAHARA, Atsuko	Osaka Univ.
8	DAVID, Steppenbeck	RIKEN Nishina Center	51	OI, Makito	Senshu University
9	DAVIES, Paul	University of York	52	OTA, Shinsuke	CNS, University of Tokyo
10	DE FRANCE, Gilles	GANIL	53	OTSUKA, Takaharu	University of Tokyo
11	DOORNENBAL, Pieter	RIKEN Nishina Center	54	PAKARINEN, Janne	CERN-ISOLDE
12	EBATA, Shuichiro	CNS, University of Tokyo	55	PALIT, Rudrajyoti	Tata Institute of Fundamental Research
13	EN'YO, Hideto	RIKEN Nishina Center	56	PODOLYAK, Zsolt	University of Surrey
14	FUJII, Toshihiko	CNS, University of Tokyo	57	RADFORD, David	ORNL
15	FUKUOKA, Yuta	Univ. of Tsukuba	58	SAKAI, Hideyuki	RIKEN Nishina Center
16	GO, Shintaro	CNS	59	SAKUDA, Makoto	Okayama Univ.
17	GONO, Yasuyuki	RIKEN Nishina Center	60	SAKURAI, Hiroyoshi	RIKEN Nishina Center
18	GUO, Lu	RIKEN Nishina Center, Japan	61	SASAMOTO, Yoshiko	CNS, University of Tokyo
19	HAGINO, Kouichi	Tohoku University	62	SATO, Koichi	RIKEN Nishina Center
20	HE, Wang	RIKEN Nishina Center	63	SHIMIZU, Noritaka	CNS, University of Tokyo
21	HINOHARA, Nobuo	RIKEN Nishina Center	64	SHIMOURA, Susumu	CNS, University of Tokyo
22	ICHIKAWA, Yuichi	RIKEN Nishina Center	65	SHIMOYAMA, Hirotaka	Niigata University
23	IDEGUCHI, Eiji	CNS, University of Tokyo	66	SUGAWARA-TANABE, Kazuko	RIKEN Nishina Center
24	IKEDA, Kiyomi	RIKEN Nishina Center	67	SUMIKAMA, Toshiyuki	Tokyo Univ. of Science
25	INAKURA, Tsunenori	RIKEN Nishina Center	68	SUZUKI, Tomokazu	RCNP, Osaka univ.
26	ISHIHARA, Masayasu	RIKEN Nishina Center	69	SUZUKI, Toshio	Nihon University/CNS
27	ISOBE, Tadaaki	RIKEN Nishina Center	70	TAJIRI, Kunihiko	Osaka Univ.
28	KISAMORI, Keiichi	CNS, University of Tokyo	71	TAKETANI, Atsushi	RIKEN Nishina Center
29	KOHAMA, Akihisa	RIKEN Nishina Center	72	TAKEUCHI, Satoshi	RIKEN Nishina Center
30	KOIKE, Takeshi	Tohoku University	73	TAMURA, Hirokazu	Tohoku University
31	KOMATSUBARA, Tetsuro	Univ. of Tsukuba	74	TANIGUCHI, Yasutaka	RIKEN Nishina Center
32	KUBO, Toshiyuki	RIKEN Nishina Center	75	TERASAKI, Jun	University of Tsukuba
33	KUBONO, Shigeru	CNS, University of Tokyo	76	TSUNODA, Yusuke	University of Tokyo
34	KUBOTA, Yuki	CNS, University of Tokyo	77	UESAKA, Tomohiro	RIKEN Nishina Center
35	LEE, I-Yang	LBNL	78	UTSUNO, Yutaka	JAEA
36	LEE, Jenny	RIKEN Nishina Center	79	WAKABAYASHI, Yasuo	JAEA
37	MATSUO, Masayuki	Niigata University	80	WATANABE, Hiroshi	RIKEN Nishina Center
38	MATSUYANAGI, Kenichi	RIKEN Nishina Center	81	YAMAGUCHI, Hidetoshi	CNS, University of Tokyo
39	MATSUZAKI, Masayuki	Fukuoka University of Education	82	YAMAMOTO, Takeshi	Tohoku University
40	MICHIMASA, Shin'ichiro	CNS, Univ. of Tokyo	83	YOKOYAMA, Rin	CNS, University of Tokyo
41	MIYA, Hiroyuki	CNS, University of Tokyo	84	YONEDA, Kenichiro	RIKEN Nishina Center
42	MOTOBAYASHI, Tohru	RIKEN Nishina Center	85	YOSHIDA, Kenichi	Niigata University
43	NAKADA, Hitoshi	Chiba University	86	YOSHINAGA, Kenta	Tokyo University of

Participants by Country

Country	Number of participants
JAPAN	74
USA	4
FRANCE	3
UK	2
INDIA	1
POLAND	1
SWITZERLAND	1
Total	86