

RIBF ULIC Symposium/mini-WS Report

* English only

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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 :	216,204 JPY
	[Breakdown] Travel: AOI, Nori	39,580
	ODAHARA, Atsuko	46,068
	HAGINO, Kouichi	26,066
	KOIKE, Takeshi	39,360
	Coffee, Snacks:	65,130
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
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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.
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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
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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