RIBF ULIC Symposium/mini-WS Report

* English only

Date: October 3, 2011

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Title	[RIBF-ULIC-miniWS-005] Isomer Spectroscopy during the New Isotope Search Experiment using Uranium Beam
Date	September 8, 2011
Place	Nishina hall
Language	[x] English [ ] Japanese
HP address	http://indico.riken.jp/indico/conferenceDisplay.py?confId=539
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Financial support from ULIC	Total : JPY *[Breakdown]* Travel - ODAHARA, Atsuko : 36,020JPY
Co-hosting / any financial support from other organization(s)	None

Summary of discussions and its (expected) results:

The new isotope search experiment will be performed in the neutron-rich region between proton number Z = 25 to 65 in this October. Isomer spectroscopy is also performed during this experiment. Expected isomers are discussed in this workshop. Isomers around doubly magic nuclei ^{78}Ni and ^{132}Sn attract much interest as an indicator of shell evolution far from the stability line and a waiting point of r-process nucleosynthesis. The nuclei with Z ~ 40 are expected to become shape isomers such as oblate or tetrahedral shapes. Heavier nuclei with Z ~ 60 will be produced for the first time at RIBF, therefore many isomers may be found. Structures of well-deformed nuclei in the mid shell Z = 55 - 65 will be studied.

Participants list(Name, Affiliation):

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Please attach other documents as needed.