

RIBF ULIC Symposium/mini-WS Report

* English only

Date: Sep. 10, 2012

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Title	[RIBF-ULIC-miniWS:018] SCRIT analysis meeting of the first-round Xe experiments		
Date	Sep. 6, 2012 (9:30 – 18:00)		
Place	Nishina Hall		
Language	☐ English ☒ Japanese		
HP address	http://indico.riken.jp/indico/conferenceDisplay.py?confId=897		
Contact Person(s) (Name, Affiliation)	Toshimi Suda (Research Center for Electron Photon Science, Tohoku University) Masanori Wakasugi (RIKEN Nishina Center)		

Financial support from ULIC	Total :	73,460	JPY
	[Breakdown] Traveling expense and Accommodation fee		
	Toshimi Suda :	23,420	
	Tatsuya Amagai :	23,420	
	Takaya Miyamoto:	23,420	
Co-hosting / any financial support from other organization(s)	Kayoko Yanagi:	3,200	
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Summary of discussions and its (expected) results:

The one-day mini workshop was held in Sep. 6, 2012 at the Nishina hall as a SCRIT collaboration meeting. All the SCRIT collaboration members attended the meeting, and a few from the other collaborations. Since the regular collaboration meetings are TV conferences, this workshop provided excellent opportunities for all SCRIT members including new students to sit down together and discuss intensively about the results of recent SCRIT R&D experiments performed at the SCRIT electron scattering facility.

The workshop was divided into two sessions, namely “SCRIT R&D” and “Towards Electron Scattering for Short-Lived Nuclei”. The first session, “SCRIT R&D”, was to discuss the results of various R&D activities. They include the studies of dynamical behavior of the trapped ions in the SCRIT device, the achieved luminosities precisely determined by elastically scattered electrons, and activities of luminosity monitor development. The most important result from a series of the studies was that the required luminosity for elastic electron scattering, $L=1 \times 10^{27}$ /cm²/s, was already achieved at this SCRIT facility using only 10^7 trapped ions.

The second session in the afternoon was devoted to the discussion about what-to-do toward the world's first electron scattering for short-lived nuclei planned in the year 2014. The detailed description of the ISOL system for RI production and the magnetic spectrometer for scattered electron

measurement were given, and their construction schedule was discussed. All SCRIT members learned that all the constructions are well on track as planned, and we agreed that we would make our best to realize the first electron scattering in the FY 2014 as previously scheduled.

All the presentation files can be downloaded from the Indico website,
<http://indico.riken.jp/indico/conferenceDisplay.py?confId=897>.

Participants list(Name, Affiliation): 21 attendee in total.

T. Suda (Tohoku) , T. Adachi (Tohoku), T. Amagai (Tohoku) , A. Enokizono (Rikkyo) ,
A. Enomoto (Saitama) , M. Hara (RIKEN) , S. Ichikawa (RIKEN) , K. Kurita (Rikkyo) ,
T. Miyamoto (Tohoku) , R. Ogawara (Rikkyo) , T. Ohnishi (RIKEN) , Y. Shimakura (Rikkyo) ,
T. Tamae (Tohoku) , S. Terashima (Beihang) , M. Togasaki (Rikkyo) , M. Wakasugi (RIKEN) ,
S. Wang (Tohoku) , T. Yamaguchi (Saitama) , K. Yanagi (Tohoku) , Y. Yano (RIKEN) ,
J. Zenihiro (RIKEN)

Please attach other documents as needed.