

RIBF ULIC Symposium/mini-WS Report

* English only

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Title	[RIBF-ULIC-miniWS-007] Future Direction of Triplet Polarization Studies
Date	October 7, 2011
Place	Nishina Hall
Language	[] English [O] Japanese
HP address	http://
Contact Person(s) (Name, Affiliation)	Takashi Wakui(Tohoku Univ.), Katsuhiko Kitagawa(Osaka Univ.), Satoshi Sakaguchi(Kyushu Univ.), Tomohiro Uesaka(RNC)

Financial support from ULIC	Total : 137,210 JPY
	[Breakdown] Travel Takaashi Wakui : 23,360 Satoshi Sakaguchi : 42,870 Kenichiro Tateishi : 33,000 Masataka Inuma : 37,980
Co-hosting / any financial support from other organization(s)	None

Summary of discussions and its (expected) results:

Future directions of triplet polarization studies have been discussed from various viewpoints.

The mini workshop started with a historical overview by M. Inuma who made a pioneering work of the triplet polarization studies. S. Sakaguchi, T. Wakui and T. Kawahara presented current status of the RIKEN-CNS polarized target based on the triplet polarization and its applications to RI-beam experiments. A. Kagawa and M. Negoro talked on recent progress made by the Osaka group and possible applications of the triplet polarization to engineering and medical sciences. T. Yago discussed spin dynamics of the triplet state under wide-ranged magnetic field strength.

Participants shared views on the triplet polarization, why it is unique, why it is necessary, what are problems to be solved, and so on. One immediate outcome from the mini workshop is a launch of collaboration in development of a thin target crystal which is indispensable for low-energy scattering experiments.

This mini workshop has surely promoted establishment of "the triplet polarization community" which is comprised of nuclear physicists, chemists, biologists, and engineering scientists.

Participants list(Name, Affiliation):

Masahiro Kitagawa	Graduate school of Engineering Science, Osaka University
Akinori Kagawa	Graduate school of Engineering Science, Osaka University
Makoto Negoro	Graduate school of Engineering Science, Osaka University
Kenichiro Tateishi	Graduate school of Engineering Science, Osaka University
Masataka Inuma	Graduate school of Advanced Science of Matter Hiroshima University

Tomoaki Yago	School of Science, Saitama University
Takashi Wakui	Cyclotron & Radioisotope Center, Tohoku University
Megumi Takahashi	Cyclotron & Radioisotope Center, Tohoku University
Satoshi Sakaguchi	Graduate school of Science, Kyushu University
Wei-Guo Jin	School of Science Toho University
Tomomi Kawahara	Graduate school of Science, Toho University / RNC
Shinsuke Ota	Center for Nuclear Study, University of Tokyo
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Please attach other documents as needed.