

RIBF ULIC Symposium/mini-WS Report

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Title	mini-WS on resonance elastic scattering	
HP address	No	
Date	2010/12/17	
Summary of discussion and its advances (expected in the future)	<p>We had an analysis meeting on the experiment of NP0802-RRC52 (Search for Isobaric Analog Resonances of N=21 nucleus ^{35}Si). We made sure algorithms of analysis for the thick target inverse kinematics method and the codes for R-matrix calculation which have been independently developed. We're going to continue discussion to make a common code for R-matrix analysis.</p> <p>We discussed the possibilities of several experiments using resonance elastic scattering. Experiments for single particle structure of neutron-rich nuclei, structure of unbound nuclei, and alpha-cluster structure at isolde, CRIB, RIPS, BIGRIPS, and RCNP were discussed. We also talked about the experimental equipments needed for this kind of experiments, window-less solid hydrogen target, active target detector, high-time resolution time-of-flight spectrometer, large solid angle silicon strip detectors.</p>	
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About Participants Name, Affiliation (Department)	Takashi Teranishi (Kyusyu), Shigeru Ishimoto (KEK), Hironobu Ishiyama (KEK), Hiroari Miyatake (KEK), Yutaka Watanabe (KEK), Sun-Chang, Jeong (KEK), Hidetoshi Yamaguchi (CNS), Yosuke Kondo (Titech), Nobuaki Imai (KEK), Ken'-ichiro Yoneda (RNC)	
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* Please attach other documents as needed.