## Abstract Submitted for the HAW09 Meeting of The American Physical Society

Performance test of detection system for  $\beta-\gamma$  spectroscopy at RIBF KENTA YOSHINAGA, TOSHIYUKI SUMIKAMA, Tokyo University of Science, HIROSHI WATANABE, SHUNJI NISHIMURA, RIKEN, JUNSEI CHIBA, YUKI MIYASITA, Tokyo University of Science — In RIBF at RIKEN, the nuclear structure in the region of heavy neutron rich nuclei is studied with high intensity U-beam. We will research decay-schemes and excited states of nuclei through the  $\beta-\gamma$  spectroscopy. We install 10 Double-sided Silicon Strip Detectors, DSSDs, as active stopper at the end of the beam-line. When the secondly beam particles are implanted into the DSSDs, we measure the energy loss and the stopping position of particles in the DSSDs. Then  $\beta$  decay is detected by the DSSDs. Clover-type Ge detectors are arranged around DSSD to measure an energy of  $\beta$ -delayed gamma-ray. To veto the  $\beta$ -ray, thin plastic scintillator is placed on the front of each Clover. In addition, BGO, high-density scintillator, are arranged around each Clover to decrease background from Compton-scattering. We will report the performance test of these detectors and read out electronics with standard sources.

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