Contribution ID: **9** Type: **not specified**

Status of decay spectroscopy at CENS

Monday, 8 August 2022 14:00 (40 minutes)

The Center for exotic nuclear study in the institute of basic science was recently founded to study fundamental questions in astrophysics and nuclear physics through investigations of radioactive atomic nuclei. Many detectors are currently under development/planned which can be applied for the decay spectroscopy study such as Clover HPGe detector array (ASGARD), Co-axial Ge detector array, Si detector array (STARK), LaBr3 detector array (Khala) and conversion electron detector array (SCEPTER). The decay station project has recently started to utilize such detectors at low-energy branches at the new heavy ion accelerator facility RAON. Also, the International collaboration project IDATEN utilizing the LaBr3 detector arrays from Korea(Khala) and the United Kingdom (Fatima) at the RIKEN RIBF BigRIPS facility is underway. CENS contributes an essential role in data acquisition systems, simulations and detector structure. In this presentation, the current status of the detector systems and the possible experimental setup of the decay station will be presented.

Primary author: KIM, Yung Hee (IBS CENS)

Presenter: KIM, Yung Hee (IBS CENS)