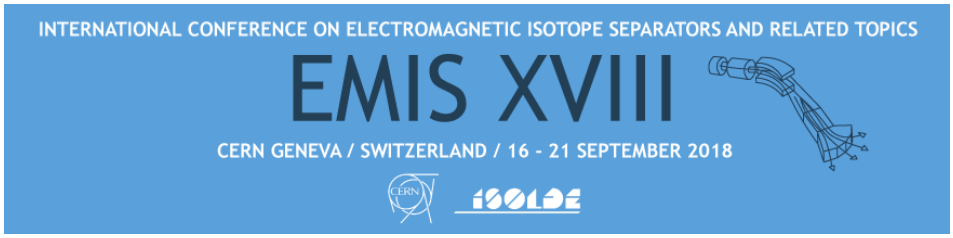

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Current Status of Experimental Facilities at RAON

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The Rare Isotope Science Project (RISP) was established in December 2011 for the accomplishment of the accelerator complex (Rare isotope Accelerator complex for ON-line experiments; RAON) for the rare isotope science in Korea. The rare isotope accelerator at RAON will provide both stable and rare isotope (RI) beams with the energy ranges from a few KeV to a few hundreds of MeV per nucleon for the researches in fields of basic and applied science.

At the moment, there are 7 experimental facilities considered at RAON: KOrea Broad acceptance Recoil spectrometer and Apparatus (KOBRA) and Large Acceptance Multi-Purpose Spectrometer (LAMPS) for nuclear physics, High Precision Mass Measurement System (HPMMS) with Multi-Reflection Time-of-Flight (MR-ToF) and Collinear Laser Spectroscopy (CLS) for atomic physics, Nuclear Data Production System (NDPS) for nuclear reaction data, Muon Spin Rotation/Relaxation/Resonance (muSR) for material science, Beam Irradiation System (BIS) for bio-medical science.

In this talk, current status including detail design and research goal of 7 experimental facilities at RAON will be discussed.

Author: KIM, Young Jin (Institute for Basic Science/Rare Isotope Science Project)

Presenter: KIM, Young Jin (Institute for Basic Science/Rare Isotope Science Project)

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