

# GFA & SwissFEL Accelerator Seminar

## Status of the RAON Heavy Ion Accelerator of Korea

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The Institute for Basic Science (IBS) was founded November 2011 as the main institute of the International Science and Business Belt (ISBB) plan. Under the IBS, the Rare Isotope Science Project was launched December 2011 to construct heavy ion accelerator facility named "the RAON". The RAON facility includes the In-Flight Fragmentation (IF) facility and the Isotope Separator On-Line (ISOL) facility. To meet the diverse needs of users, the RAON design is optimized by combining the IF and ISOL systems, to provide various high intensity stable ion beams from proton to uranium and rare isotope (RI) beams for domestic and international users. This facility is to support various science researches including nuclear science, material science, bio-medical science, nuclear data for next generation atomic energy, astrophysics etc. General layout and system description of the accelerator facility are presented along with brief science programs.

