



Contribution ID: 84

Type: **invited**

## **A plan to construct a rare isotope accelerator facility in Korea**

*Thursday, 10 June 2010 10:30 (30 minutes)*

The Korean government announced in January 2009 a preliminary plan to construct a heavy ion accelerator facility for producing radioactive ion beams in the framework of a mega project called the International Science & Business Belt. Since then, a planning work for the construction of a heavy ion accelerator is underway supported by the government. The construction of this facility will be a cornerstone for basic science research in Korea. This facility which is tentatively referred to as KoRIA (Korea Rare Isotope Accelerator) is to be used for multipurpose research, including nuclear science, atomic, material & energy sciences, and bio-medical sciences. To produce the radioactive ion beams, both ISOL and In-flight fragmentation methods are being considered. Post-acceleration of the radioactive ion beams may be done up to unprecedentedly high energies. The conceptual design study is expected to start soon, and the present status of the planning will be presented.

**Is this an invited talk? (please answer yes or no)**

Yes.

**Would you prefer your contribution to be a poster presentation? (please answer yes or no)**

No.

**Would you prefer your contribution to be an oral presentation? (please answer yes or no)**

Yes.

**Are you a student, postdoc or an attendee from an “emerging” country and would like to apply for financial support?**

No.

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**Session Classification:** Facility Talks III