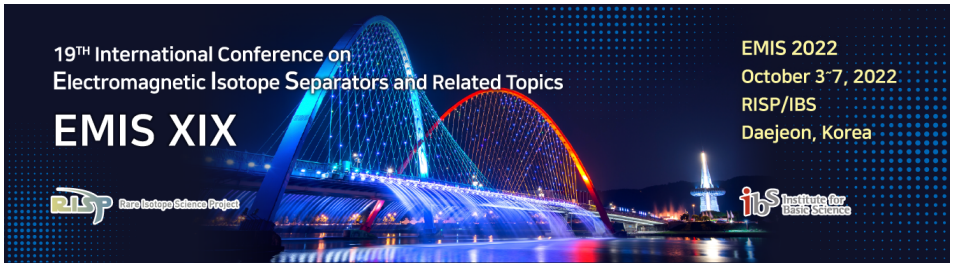

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The present status of ISOL module and Remote handling system for Isotope Separation On-line facility in RISP.

Monday, 3 October 2022 20:30 (8 minutes)

The Rare Isotope Science Project (RISP) plans to produce rare isotope using Isotope Separation On-line (ISOL) facility. The rare isotopes are produced in Target Ion Source (TIS) system by a 70 MeV proton beam incident on target via the proton-induced fission. RISP adopt module system controlled by remote handling system to handle and maintain the TIS system. The module system consists of proton, TIS and RI module, and was designed to be applied high voltage and current, water cooling system, beam optics and diagnostic. The key components of remote handling system are a precision crane, hot-cell, manipulator and etc. In this presentation, the current status of ISOL module system are introduced, along with remote handling system.

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