



ID de Contribution: 44

Type: **Regular talk (remote)**

## **Satatus of the RI accelerator facility in Korea and experimental preparations**

*vendredi 26 novembre 2021 10:00 (45 minutes)*

The radioactive ion (RI) beam accelerator facility called RAON is under construction in Korea. It will produce RI beams by both the ISOL and In-flight methods. One of the experimental facilities called KoBRA is expected to carry out nuclear astrophysics and nuclear structure experiments in the early phase of RAON. Several experiments using both stable and RI beams of tens of MeV/u are considered for understanding explosive nuclear synthesis in stellar sites such as X-ray bursts and novae as well as the origin of proton-rich elements in the rp-process. Current activities and prospects of early experiments at RAON will be discussed.

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**Classification de Session:** New Experimental Tools, Detection Techniques and Facilities

**Classification de thématique:** New Experimental Tools, Detection Techniques and Facilities: New Experimental Tools, Detection Techniques ad Accelerators