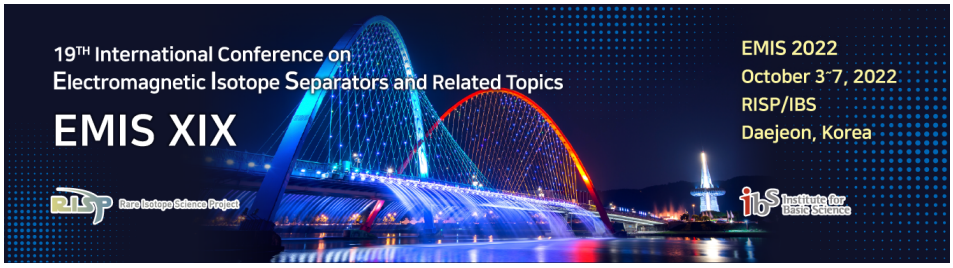

Contribution ID: **154** Type: **Poster Session**

Status of the target development for the ISOL system

Monday, 3 October 2022 19:18 (8 minutes)

Uranium carbide (UCx) and silicon carbide (SiC) have been developed for the target materials of the RAON ISOL system. Based on the CERN technology, the fabrication process of the UCx target has been developed with the goal of the low density (< 3 g/cm3) and the large diameter (50 mm). It is planned to be used for the proton beams up to 10 kW and the prototype of the UCx target was fabricated, currently. The SiC target has been fabricated with different densities and grain sizes to compare the isotope release property and the thermal stability. it would be used for the commissioning experiment to produce the rare isotope beam (RIB) using 70 MeV of Cyclotron at the end of 2022.

Primary authors: JEONG, Jaewon; Mr NA, Sangho

Presenter: JEONG, Jaewon

Session Classification: Poster Session