

# The 1st IReNA-Ukakuren Joint Workshop “Advancing Professional Development in Nuclear Astrophysics and Beyond”

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## An Update on the Commissioning of SECAR

*Thursday, 31 August 2023 14:40 (5 minutes)*

The Separator for Capture Reactions (SECAR) located in Reaccelerator Hall 3 (ReA3) at the Facility for Rare Isotope Beams (FRIB) is a recoil separator designed to study the direct reaction rates of capture reactions in inverse kinematics. Such reactions are crucial to the understanding of many stellar phenomena such as type I X-ray bursts and supernovae. This poster presentation will be an update on the commissioning of SECAR and will provide an overview of the detection apparatus along the beam line, focusing on the BGO Array, and the alignment procedure of the isotope beam. Additionally, I will show some results from experiments with stable beams and outline the future developments and plans for SECAR.

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