

Development of a 20 kW High-Power Combiner Using the Gysel Combiner Method

Thursday, November 14, 2024 1:00 PM (1h 30m)

The RAON facility, operated by the Institute for Basic Science (IBS) in Daejeon, is a state-of-the-art accelerator complex designed for advanced research on rare isotopes. To accelerate various ions, RAON employs multiple cavity types. Among these, the 81.25 MHz superconducting Radio Frequency Quadrupole (RFQ) cavity is crucial for the initial acceleration of ion beams. Efficient RF power delivery to this RFQ cavity is provided by Solid State Power Amplifiers (SSPAs), supplying a total RF power of 150 kW.

Paper submission Plan

Best Presentation

Contribution track

ICABU WG1. Accelerator Systems

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