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Development of Analog circuit in BLM System at RAON

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The Rare Isotope Accelerator complex for ON-line experiments (RAON) is a heavy ion accelerator with a maximum beam power of 400 kW. The Beam Loss Monitor (BLM) system has been developed to investigate the amount of beam loss in the accelerator. BLM system utilizes current read-out system, analog pre-amp circuit and BLM devices. These devices comprise three types: Proportional Counter, Plastic Detector and Beam Loss Collector (BLC). Bench test was conducted to develop the analog circuit to measure current with a DAQ board. BLM devices have been installed and they are undergoing commissioning. This poster presents the bench test results and the preliminary results during the beam commissioning with Argon beam current of 50 μA .

Footnotes

Funding Agency

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Yes

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