

The Detection of Low-Intensity Beams at the Holifield Radioactive Ion Beam Facility

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Beam diagnostic devices suitable for radioactive beam detection developed and implemented at HRIBF are described. These detectors are suited to measure low intensity beams and can be used for tuning beams with intensities ranging from a few counts/sec to a few million particle/sec. The detectors can be used with heavy ion beams at energies ranging from several keV*A to several MeV*A. The performance of these detectors as well as future enhancement will be presented. A variety of these detectors combined in different configurations have been used at HRIBF for applications including beam profiling, beam timing, beam counting and tagging isobars in the beam.

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