

Abstract Submitted
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Detector Calibrations for Fragmentation Reactions with Relativistic Heavy Ions at the NSCL¹ HEATHER GARLAND, SHARON STEPHENSON, Gettysburg College, MICHELLE MOSBY, Michigan State University/NSCL, THE MONA COLLABORATION — Prefragmentation dynamics, when neutron-rich beam nuclei interact with reaction target nuclei, have not been the subject of much experimental study. Recent data taken at the National Superconducting Cyclotron Laboratory (NSCL), in an experiment to further understand prefragmentation processes, is currently being analyzed. To experimentally determine the momentum distributions of the charged fragments made after the prefragmentation interaction between a ^{32}Mg beam and a ^9Be reaction target, the charged fragments' velocity vectors must be known. Four detectors give us position information, and two others give us energy. I worked on calibrating the four position detectors for this experiment.

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