

Abstract Submitted
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Simulation of the GRETINA Scanning Table at Lawrence Berkeley National Laboratory¹ ETHAN HALDEMAN, Ursinus Coll — We developed a GEANT4 simulation of the GRETINA scanning table at Lawrence Berkeley National Laboratory. The scanning table is used to study signal decomposition and to map the segmentation of GRETINA crystals. The data can also be analyzed to better understand characteristics of GRETINA like its geometry, resolution, and efficiency. The simulation is used both to plan measurements and interpret results. Complex components of the scanning table were implemented in the simulation using STL files created from CAD drawings which were imported to the code using the open source package CADMesh. Measurements of a GRETINA module will be presented and compared with simulations.

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