

Abstract Submitted
for the APR07 Meeting of
The American Physical Society

Vector and Tensor Asymmetries for Quasielastic Scattering from Deuterium at BLAST¹ ADAM DEGRUSH, MIT, BLAST COLLABORATION
— A comprehensive study of spin-dependent electron scattering from deuterium has been carried out using the polarized electron beam of the MIT-Bates Linear Accelerator Center together with the BLAST (Bates Large Acceptance Spectrometer Toroid) detector and an internal vector/tensor polarized deuterium target. A spin-dependent analysis of exclusive quasielastic scattering over a Q^2 range between 0.1 and 0.5 (GeV/c)² has been made for target orientations both parallel and perpendicular to the momentum transfer. Asymmetry results and comparisons with theory will be presented along with measurements of the beam and target polarization product.

¹Work supported by DOE Cooperative Agreement DE-FC02-94ER40818

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Date submitted: 12 Jan 2007

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