

Abstract Submitted
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G_E^p/G_M^p with **BLAST** ADRIAN SINDILE, JOHN CALARCO, University of New Hampshire, BLAST COLLABORATION — One of the experiments that recently finished running at the MIT Bates Lab is the measurement of the G_E^p/G_M^p ratio, using a polarized electron beam, an internal polarized atomic hydrogen gas target and the symmetric BLAST (Bates Large Acceptance Spectrometer Toroid) detector in the South Hall Ring of the Bates Linear Accelerator Facility. We have used the super-ratio technique to extract the proton electric to magnetic form factor ratio for a Q^2 between 0.1 and 0.9 (GeV/c)² from two spin-dependent asymmetries we have measured simultaneously in the left and right sector of the BLAST detector respectively. This is the first time G_E^p/G_M^p was measured using a polarized target. Preliminary results will be presented. DOE Grant Numbers: 181021 (UNH); DEFC02-94ER40818 (MIT Bates).

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