

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Measurement of the magnetic form factor of the neutron with quasielastic electron scattering from vector-polarized deuterium with BLAST¹ RICARDO ALARCON, Arizona State University, BLAST COLLABORATION — With the BLAST experiment at MIT-Bates, precision measurements of single and double polarization observables were carried out by scattering longitudinally polarized electrons from internal, isotopically pure and highly polarized hydrogen and deuterium targets in elastic and quasi-elastic kinematics. Analysis of inclusive scattering data acquired with vector-polarized deuterium has provided new results at low momentum transfer for the neutron magnetic form factor G_M^n which will be presented.

¹Supported by DOE and NSF.

Michael Kohl
Hampton University

Date submitted: 23 Oct 2009

Electronic form version 1.4