

Abstract Submitted
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Probing ^3He and ^3H in the Quasi-Elastic Regime¹ NATHALY SANTIESTEBAN, University of New Hampshire, E12-11-112 COLLABORATION — Quasi-elastic electron scattering was used to probe nucleons on the nucleus of the mirror ^3He and ^3H nuclei, in a Q^2 range of $0.5\text{-}3\text{GeV}^2/c^2$ in Hall A at Jefferson Lab. The unique sealed gas targets contained 53.37 mg/cm^2 and 85.1 mg/cm^2 of ^3He and ^3H , respectively. The beam energies were 2.2 GeV and 4.3 GeV , with a maximum current of $22\ \mu\text{A}$. This talk presents the details of the physics analysis and the preliminary results of the $^3\text{He}(e,e')$ and $^3\text{H}(e,e')$ data and how it can be used to learn about the magnetic form factor of the neutron.

¹On behalf of the E12-11-112 Collaboration

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