

Abstract Submitted
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Transverse Beam Spin Asymmetries in the G0 Forward-Angle Measurement¹ SARAH K. PHILLIPS, The College of William and Mary, Williamsburg, Virginia, USA, PAUL M. KING, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA, G0 COLLABORATION — Although neglected historically, two-photon exchange contributions have become increasingly important as electron-scattering experiments push to higher precision measurements of nucleon structure. The transverse beam spin asymmetry measured in the elastic scattering of transversely polarized electrons from unpolarized nucleons provides a direct probe of the imaginary component of the two-photon exchange amplitude. Transverse beam spin asymmetries for 3 GeV electrons were measured during the forward-angle run of the G0 experiment in Jefferson Lab's Hall C, with center of mass scattering angles ranging from 19 to 37 degrees. A description of the analysis of the data and the results of the measurements will be presented.

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