

Abstract Submitted
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Target Normal Single-Spin Asymmetry in Inclusive DIS TIM HOLMSTROM, Randolph-Macon College, JLAB HALL A COLLABORATION — A proposal (P07-013) to measure the target normal single spin asymmetry A_N^r in inclusive deep-inelastic $n^\uparrow(e, e')$ reaction with a vertically polarized ^3He target has been conditionally approved to run during Jefferson Lab's Hall A neutron transverse experiments (E06-010) and (E06-011) in summer 2008. The expected accuracy of this measurement is $\delta A_N^r = 2-4 \times 10^{-4}$ at four different values of the invariant mass. The normal spin asymmetry in DIS probes helicity-flip amplitudes at the quark level related to effects beyond the leading-twist picture of DIS. Preparations for this experiment will be discussed including the development of a secondary luminosity monitor for Hall A.

Tim Holmstrom
Randolph-Macon College

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