

Abstract Submitted
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The Study of the D(e,e'p)n Reaction at High Four- Momentum Transfer¹ HARI KHANAL, Florida International University — D(e,e'p)n reaction mechanism studies at high four -momentum transfer Q^2 are very important to understand the dynamics of the two nucleon system at very short space time separation. The E01-020 experiment, carried out in HallA at Jefferson Lab, determined D(e,e'p)n cross sections for several values of constant Q^2 over wide range of kinematic settings. Cross sections for several fixed values of missing momentum as a function of the angle of the recoiling neutron with respect to the momentum transfer will be presented for Q^2 of 0.8 and 2.1 (GeV/c)². Experimental momentum distributions for several fixed recoiling angles will be shown as well.

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