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Understanding 3He(e,e'p) Reaction Asymmetry Dependence on Missing Momentum GE JIN, University of Virginia, JEFFERSON LAB HALL A COLLABORATION — Two-body calculations using realistic wave-functions predict that the D(e,e'p) asymmetry will vary strongly as a function of missing momentum. This prediction has been tested in quasi-elastic D(e,e'p)n experiments in which people have observed the predicted sign change of the asymmetry as the missing momentum gets greater than the Fermi momentum. Using state-of-the-art Faddeev calculations, the 3He(e,e'p) reaction channel can also be calculated and it has been shown that the asymmetry as a function of missing momentum is again sensitive to the initial-state wave-function. Jefferson Lab experiment E05-102 measured the polarized-target and polarized-beam asymmetries in the quasi-elastic and x great than one 3He(e,e'p) and 3He(e,e'd) channels. An overview of experiment will be discussed and preliminary (e,e'p) asymmetries as a function of missing momentum will be presented.

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