

Abstract Submitted
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Transverse Target Spin Asymmetry in exclusive vector meson production at HERMES¹ STEPHEN GLISKE, WOLFGANG LORENZON, AVETIK AIRAPETIAN, University of Michigan, HERMES COLLABORATION — Measurements of the Transverse Target Spin Asymmetry, $A_{UT}(\phi)$, for hard exclusive electroproduction of ρ^0 and ϕ mesons at HERMES will be presented. To gain information about the general parton distribution function E , the transverse target spin asymmetry $A_{UT}^{\rho^0}(\phi)$ in the longitudinal cross section $\sigma_L(\gamma_L^* p \rightarrow \rho_L^0 p')$ needs to be extracted. Using the self-analyzing character of ρ^0 meson decay $A_{UT}^{\rho^0}(\phi)$ and $A_{UT}^{\phi}(\phi)$ will be presented separately.

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