Abstract Submitted
for the DNP13 Meeting of
The American Physical Society

**Measurement of single spin asymmetries of charged kaons produced in electrons scattering off a transversely polarized $^3$He target**[1]
YUXIANG ZHAO, Department of Modern Physics, University of Science and Technology of China, Hefei, Anhui, P.R. China, 230026, JEFFERSON LAB HALL-A TRANSVERSITY(E06010) COLLABORATION — We report the measurement of single-spin asymmetries of charged kaons produced in semi-inclusive deep inelastic scattering of electrons off a transversely polarized $^3$He target. The experiment, conducted at Jefferson Lab Hall A using a 5.9 GeV electron beam, covers a range of $0.16 < x < 0.35$ with $1.4 < Q^2 < 2.7\text{GeV}^2$. Both the Collins and Sivers moments for $K^+$ and $K^-$ are extracted simultaneously by using Maximum likelihood fitting, the corresponding preliminary results will be presented.

[1]Thanks for the support from Jefferson Lab Hall-A Transversity(E06010) Collaboration and University of Science and Technology of China.

Yuxiang Zhao
Department of Modern Physics, University of Science and Technology of China, Hefei, Anhui, P.R. China, 230026

Date submitted: 28 Jun 2013 Electronic form version 1.4