

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Measurements of Spin-Orbit Correlations at CLAS HARUT AVAKIAN, Jefferson Lab, CLAS COLLABORATION — The single-spin asymmetries (SSAs) in semi-inclusive DIS have emerged as a powerful tool to access transverse momentum distributions of partons. SSAs enable measurements of some essentially unexplored physical observables, including correlations of the transverse momentum of quarks and the spin of quarks and hadrons. New data has been collected at CLAS in JLab in 2009 on longitudinally polarized NH₃ and ND₃ targets, which increases by an order of magnitude all available data collected so far with polarized targets in the valence region. In this talk we present the latest studies of transverse spin effects accessible with longitudinally polarized target and discuss newly released results.

Harut Avakian
Jefferson Lab

Date submitted: 25 Oct 2009

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