

# UCLA Nuclear Physics Seminar

## “Extraction of partonic unpolarized TMDs and Sivers function”

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A recent extraction of the Sivers function from azimuthal asymmetries in semi-inclusive deep inelastic scattering (SIDIS) will be presented. This analysis takes into account contributions of transverse momentum dependent (TMD) evolution and features a parametrization of unpolarized TMDs determined directly from data. Then, also an overview of a global extraction of TMDs from unpolarized SIDIS, Drell-Yan and Z boson production data will be given. Finally, a comparison of these studies with results obtained from other collaborations will be discussed, together with future outlooks for the phenomenological analysis of TMDs.

Location: Knudsen 4-134

Date: Wednesday, October 31, 2018

Time: 11:00am