

# Sivers extraction from ANN via NMR

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## 1 Abstract

The Sivers function is a transverse momentum dependent parton distribution function (TMD-PDF) which describes single-spin asymmetries within the parton. By Using data from the HERMES and COMPASS collaborations collected for the Semi-Inclusive Deep Inelastic Scattering (SIDIS) and training an Artificial Neural Network (ANN) implemented on a regression, we give a preliminary analysis of the Sivers function extraction.