

# TMDs extraction with global fits & ANN

I. P. Fernando, N. Newton, D. Seay, D. Keller  
*for the UVA Spin Physics Group*

## **Abstract :**

An Artificial Neural Network (ANN) can be trained with regression to simulate Transverse Momentum-dependent Distributions (TMDs). A preliminary analysis in the case of  $SU(3)_{flavor}$  TMDs extraction using an ANN with available experimental data will be presented in this talk.