The nucleon transversity and helicity distribution functions

Ian Cloet

The transversity distributions complete the triplet of nucleon twist-2 quark distribution functions. The first experimental extraction of these distributions has only recently been obtained, and although the errors are large, these results have potentially important implications for quark models of the nucleon. We will present a calculation of the transversity and helicity distributions and discuss these results in light of these recent empirical results.