

Transverse spin structure of hadrons from lattice QCD

Wednesday 18 April 2007 12:30 (20 minutes)

In this talk, we present recent results from lattice QCD on the transverse spin structure of hadrons. Strong correlations between spin, orbital angular momentum and coordinate degrees of freedom lead to strongly distorted densities of quarks in hadrons in particular for transverse quark polarizations. We discuss possible implications of our results for the Sivers and Boer-Mulders function of the nucleon and show first results on the spin structure of the pion.

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Session Classification: Spin Physics

Track Classification: Spin Physics