

Parton transversity distribution in the pion from chiral quarks

Parton transversity distribution in the pion is calculated in the framework of chiral quark models. The results for the corresponding form factors are compared to the recent data from lattice QCD and agreement is found. It shows, together with the previous predictions of these models for such quantities as the parton distribution function, distribution amplitudes, generalized parton distributions, etc., that the chiral dynamics can be reliably used to provide a link between the low- and high-energy processes.

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