

Updated Result on Nucleon Transversity Parton Distribution Function from Lattice QCD

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In this talk, I present some updated results on nucleon transversity parton distribution function (PDF) from lattice QCD using large-momentum effective theory. The calculation is done with three lattice spacings, 0.086, 0.064 and 0.049 fm. The bare matrix elements are nonperturbatively renormalized in a recently proposed hybrid scheme. Also a continuum extrapolation is performed. Our results show agreement with recent global analyses within errors.

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