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Lattice calculation of the Collins-Soper kernel

Thursday, 22 June 2023 11:30 (30 minutes)

The Collins-Soper (CS) kernel is a nonperturbative function that characterizes the rapidity evolution of transverse-momentum-dependent parton distribution functions and wave functions. In this talk, we show the determination of the CS kernel using lattice QCD in two different strategies. We compare the results obtained from these two methods and also those from literature using various methods.

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