

XVth Quark Confinement and the Hadron Spectrum



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Lattice extraction of the TMD soft function and the CS kernel using for the Wilson line an auxiliary fields approach

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We present a new method of using lattice QCD to extract the intrinsic soft function and the Collins-Soper kernel for TMDPDFs. This method relies on the computation of Wilson loops involving Wilson lines with complex directional vectors. In this talk, progress in numerical implementation of this approach will also be discussed.

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