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Factorization for lattice qTMD distributions at NNLO

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The determination of parton distributions with lattice simulations is a promising and rapidly growing direction in the physics of strong interactions. In particular, TMD factorization can be applied to a certain class of operators that can be computed within the lattice QCD approach. These are equal-time correlators usually called quasi-transverse-momentum dependent (qTMD) distributions. In this talk, I discuss the factorization theorem for qTMD distributions in terms of physical TMDPDFs and soft factors and present the computation of the next-to-next-to-leading order coefficient function.

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