

Rapidity-only TMD factorization at one loop

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Typically, a production of a particle with a small transverse momentum in hadron-hadron collisions is described

by CSS-based TMD factorization at moderate Bjorken $x_B \sim 1$ and by k_T -factorization at small x_B .

A uniform description valid for all x_B is provided by rapidity-only TMD factorization developed in a series of recent papers at the tree level. In this paper the rapidity-only TMD factorization for particle production by gluon fusion is extended to the one-loop level.

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