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PB TMD fits at NLO with dynamical resolution scale

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Parton branching solutions of QCD evolution equations have recently been studied to construct both collinear and transverse momentum dependent (TMD) Parton distributions. In this formalism, soft-gluon colour coherence effects are taken into account by introducing the soft-gluon resolution scale. In this talk, we show results of fits to the high precision deep inelastic scattering (DIS) structure function measurements including for the first time the effects of dynamical, or branching-scale dependent, resolution scales at Next-to-Leading-Order (NLO) accuracy in the strong coupling

Submitted on behalf of a Collaboration?

No

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