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Low x physics and saturation in terms of TMD distributions

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One of the main difficulties to understand the continuity between low x physics and more standard QCD factorization frameworks which apply for more moderate energies is the very nature of the parton distributions involved. I will argue that low x physics can be understood as the eikonal limit of an infinite twist TMD distribution framework, and discuss the consequences of this observation for saturation and for gluon polarizations at small x.

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