Abstract Submitted
for the APR21 Meeting of
The American Physical Society

Rapidity evolution of the gluon helicity at small-x ANDREY TARASOV, Ohio State Univ - Columbus — Ill discuss evolution of the small-x gluon helicity operator in the rapidity factorization approach. The operator, which is constructed from a polarized Wilson line with one non-eikonal local operator insertion, gives rise to helicity TMDs at small x. To obtain the evolution equation I employ the background field method and derive the form of the leading sub-eikonal correction to the gluon propagator in the background-Feynman gauge. In the end Ill discuss relation to the large-x polarized DGLAP evolution.

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Date submitted: 08 Jan 2021   Electronic form version 1.4