

Selected topics on QCD evolution

Thursday, 2 June 2016 15:00 (30 minutes)

In this talk, I am going to discuss various topics on QCD evolution, including the scale evolution of the collinear twist-3 correlation functions relevant for the single spin asymmetries phenomenology and the evolution of the small x gluon TMD. It is shown that the Burkardt sum rule can be used to check the consistency of the derived evolution equations for the twist-3 functions. In addition, we show that the computed gluon TMD at NLO satisfies both the BFKL and Collins-Soper evolution equations, thus leading an unified description of the BFKL and CS dynamics.

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Session Classification: Talks