

SCET Workshop 2022



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Next-to-leading non-global \log logarithms from jet calculus

Wednesday, 20 April 2022 11:00 (20 minutes)

We present a formalism for the resummation of non-global QCD observables beyond leading logarithmic accuracy. We discuss the derivation of a set of integro-differential equations that governs the dynamics of soft radiation in the planar limit, using which we perform a calculation of the out-of-jet transverse energy distributions at lepton colliders. We finally comment on the solution of the evolution equations by means of Monte Carlo methods and discuss future prospects.

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