Contribution ID: 15

NNLL collinear fragmentation and Parton showers

Tuesday 2 July 2024 15:00 (30 minutes)

Over recent years the logarithmic accuracy of parton showers has been advancing rapidly, first to NLL and more recently towards NNLL. In this talk I will focus on one aspect of the push towards NNLL accuracy, the triple collinear limit. I will present work towards the inclusion of real triple collinear and corresponding one loop corrections to one-to-two splittings in a parton shower algorithm. I will also discus NSL resummed results sensitive to this limit, which are relevant to NNLL parton showers.

Author: HELLIWELL, Jack (University of Oxford (GB))Presenter: HELLIWELL, Jack (University of Oxford (GB))Session Classification: Topical talks 2

Track Classification: Talks PSR