Contribution ID: 60

New tools for $N\mbox{-jettiness}$ computations

Thursday, 12 September 2024 12:15 (25 minutes)

The N-jettiness slicing has been a successful approach for the calculation of cross sections at next-to-next-toleading order (NNLO) in perturbative QCD, and has a strong potential for computations at the following order. Recently we derived a compact representation of the renormalized N-jettiness soft function free of infrared and collinear divergences through NNLO. The convergence of the N-jettiness scheme can be systematically improved by the addition of power corrections, for which there has been significant interest in understanding the subleading power contributions and their importance.

Primary author: PEDRON, Ivan

Presenter: PEDRON, Ivan

Session Classification: Subtraction, slicing and loop/tree duality

Track Classification: Subtraction, slicing and loop/tree duality