Renomalon analysis of SCET-II observables in the large- β_0 approximation

Thursday 17 July 2025 15:00 (20 minutes)

We present a derivation of nonperturbative corrections to SCET-II-type observables in the large- β_0 approximation based on the bubble-sum approximation within the SCET framework. We demonstrate how to obtain the leading-power nonperturbative corrections using the collinear anomaly approach and further discuss their impact on the corresponding partonic cross sections.

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