

Santa Fe Jets and Heavy Flavor Workshop

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SCET₊₊: A new soft-collinear mode for small-R jets

Monday, January 11, 2016 10:10 AM (30 minutes)

Using a new version of Soft Collinear Effective Theory, SCET₊₊, with a new “soft-collinear” mode, we achieve the resummation of logarithms of jet radii R in jet rates and jet thrust cross sections beyond leading-log accuracy. We extract two and three-loop anomalous dimensions necessary for resummation of (global) logs of R to NNLL and N3LL accuracy.

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Session Classification: Session 1