Santa Fe Jets and Heavy Flavor Workshop

January 11-13, 2016

Contribution ID: **82**   Type: **not specified**

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

Monday, 11 January 2016 10:10 (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.

Presenter: Dr HORNIG, Andrew (LANL)

Session Classification: Session 1