

# Santa Fe Jets and Heavy Flavor Workshop

January 11-13, 2016

Contribution ID: 82

Type: **not specified**

## **SCET<sub>++</sub>: 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<sub>++</sub>, 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