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Resummed predictions for jet-resolution scales in multijet production in e^-e^+ annihilation

Wednesday, 17 March 2021 23:00 (20 minutes)

The 4-, 5- and 6-jet resolution scales for the Durham jet algorithm in e^+e^- collisions are resummed, using an implementation of the well known CAESAR formalism within the Sherpa framework. Results are presented at NLO+NLL' accuracy. In particular the impact of subleading colour contributions is evaluated. Hadronisation corrections are studied using matrix-element plus parton-shower predictions from SHERPA and VINCIA.

Time Zone

Europe/Africa/Middle East

Primary authors: REICHELT, Daniel; SCHUMANN, Steffen (Georg-August-Universitaet Goettingen); PREUSS, Christian (Monash University); BABERUXKI, Nick

Presenter: REICHELT, Daniel

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