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Resummation of Jet-Splitting Scales in Multijet Production

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We present predictions for Durham jet resolution scales y_n in multijet production in e^+e^- collisions at NLL accuracy matched to LO. We use the well known CAESAR formalism as a basis and extract the required color information for matrix elements with a large number of jets using tools from the matrix element generator Comix within the Sherpa framework. We discuss the effect of subleading color contributions.

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