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Effects of Super-Leading Logarithms in t-tbar Production

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We investigate the effects of a new source of Super-Leading Logarithms in $t\bar{t}$-production at hadron colliders. We show how large logarithms arise from an additional imaginary contribution to the anomalous dimension associated with massive final states, and discuss their resummation. We analyze the numerical impact in partonic scattering processes and examine the behavior near threshold.

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