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Joint transverse momentum and threshold resummation beyond NLL

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In the study of heavy color-singlet production one often encounters large logarithms involving the threshold parameter in the partonic cross-section which need to be resummed. Considering the transverse momentum distributions of such processes leads to additional large logarithms involving pT. In this talk a method of doing the simultaneous resummation of both types of logarithms directly in momentum-space will be discussed. Our framework allows for this joint resummation to be performed beyond the previously obtained NLL precision. A comparison to other recent approaches to joint resummation will be made.

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