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Towards higher-order collinear splittings with massive partons

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Singular elements associated with the QCD factorization in the collinear limit are key ingredients for highprecision calculations in particle physics. They govern the collinear behaviour of scattering amplitudes, as well as the perturbative energy evolution of PDFs and FFs. In this talk, we explain the computation of multiple collinear and higher-order QCD splittings with massive partons. Our results might be highly-relevant for the consistent introduction of mass effects in the subtraction formalism and PDF/FF evolution.

Collaboration / Activity

None

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