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Hybrid kT-factorization at NLO

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Factorization formulas for scattering cross sections typically involve a parton-level cross section and PDFs associated with scattering hadrons. In hybrid kT-factorization, one PDF depends on the transverse momentum components of the parton besides the momentum component longitudinal to the hadron momentum. Furthermore, also in the partonic cross section these transverse components are not neglected. We present a scheme for this factorization at next-to-leading order for gluon-initiated processes involving an arbitrary number of final-state jets.

Submitted on behalf of a Collaboration?

No

Author: VAN HAMEREN, Andreas

Presenter: VAN HAMEREN, Andreas

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