

# XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



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## Top-quark double-differential distributions in $p_T$ and rapidity

*Tuesday, 24 March 2020 11:00 (20 minutes)*

I present new theoretical results at approximate  $N^3\text{LO}$  for double-differential distributions in top-quark transverse momentum and rapidity. The higher-order corrections are from NNLL resummation of soft-gluon contributions. The corrections are very significant and they reduce theoretical uncertainties. The theoretical predictions are in very good agreement with recent LHC data.

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**Session Classification:** QCD with Heavy Flavors and Hadronic Final States

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