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NNLL resummation for W-boson production at large p_T

Thursday, July 5, 2012 4:00 PM (15 minutes)

I present new results for W-boson production at large transverse momentum at the LHC and the Tevatron. The contribution of soft-gluon corrections is derived from NNLL resummation and added to the exact NLO result.

Numerical results for the approximate NNLO W-boson transverse momentum distributions are derived. The scale and PDF uncertainties are discussed.

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