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## Top Quark Theoretical Cross Sections and $p_T$ and Rapidity Distributions

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I present theoretical results for the top quark pair total cross section, and for the top quark transverse momentum and rapidity distributions at Tevatron and LHC energies. I also present results for single top quark production in the  $t$ - and  $s$ -channels and also via associated production with a  $W$  boson. The calculations include approximate NNLO corrections that are derived from NNLL soft-gluon resummation.

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