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Top quark pair and single top production at Tevatron and LHC energies

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I present the latest theoretical developments in the calculation of the cross section for top-antitop pair production and single top quark production via all main partonic channels. Higher-order corrections from resummation of soft gluons are added through NNLL accuracy. Detailed numerical results are presented for the cross section and transverse momentum distributions at the Tevatron and LHC colliders.

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