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Measurements of single top quark production cross sections and $|V_{tb}|$ in ppbar collisions at $\sqrt{s}=1.96$ TeV (D0 and CDF)

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We present measurements of production cross sections of single top quarks in ppbar collisions at $\sqrt{s} = 1.96$ TeV using data collected with the CDF and D0 experiments with integrated luminosities of up to 9.7 fb^{-1} . Measurements of the total production cross section and of the t-channel cross section are presented, as well as searches for the s-channel production process. These measurements are also used to extract the V_{tb} element of the CKM mixing matrix

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