Single Top Quark Production at the Fermilab Tevatron

According to the standard model of particle physics, the heaviest quark, the top quark, is predominantly produced in pair. The production of a single top quark associated with jets is small and it is proportional to the V_{tb} value of the CKM (Cabibbo-Kobayashi-Maskawa) matrix. Recent single top quark analyses using data collected by the CDF experiment at the Fermilab Tevatron will be reported. The first observation of single-top-quark production in the s-channel through the combination of CDF and D0 measurements will be presented.