

Abstract Submitted
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Measurement of the polarization of singly-produced top quarks in CDF JI-EUN JUNG, Seoul National University, CDF COLLABORATION — We present a measurement of the polarization of singly-produced top quarks in $p\bar{p}$ collisions using 3 fb^{-1} of data collected with the CDF detector. Single top quarks are expected to be produced via virtual W boson exchange in t -channel and s -channel processes. The standard model predicts a left-handed vector coupling at the Wtb vertex, but extensions allow a right-handed vector coupling. We measure separately the left- and right-handed couplings, and thus the polarization, by measuring the angular distributions of the top quark's decay products.

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