

Abstract Submitted
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Measurement of the W boson helicity fractions in $t\bar{t}$ production in dilepton channel at CDF ROMAN LYSAK, IEP SAS, Slovakia, CDF COLLABORATION — We analyze W boson helicity fractions of $t\bar{t}$ candidates selected from final states where both W bosons are decaying leptonically. The analysis is based on 3 fb^{-1} of data collected with the CDF detector at the Tevatron. The W helicity fractions are determined by a comparison of angular distributions of leptons in the W rest-frame with templates corresponding to left-handed, right-handed and longitudinal fractions exclusively. This is the first measurement of W helicity fractions in this channel using kinematic reconstruction at CDF.

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