

Abstract Submitted
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Top Pair Production Cross Section Measurement in Lepton+Jets Channel Using Jet Probability *b*-Tagging¹ ENRIQUE PALENCIA, Univ. of Cantabria, CDF COLLABORATION — We present a preliminary measurement of the $t\bar{t}$ pair production cross section in the collisions of protons and anti-protons at 1.96 TeV using 320 pb^{-1} of data collected by the Collider Detector at Fermilab (CDF). The measurement uses $t\bar{t}$ decays into final states which contain one high transverse momentum lepton, high missing transverse energy and multiple jets, where one of the jets is required to be identified as a b -jet candidate from the information of the track's impact parameter resolution using the SVXII Silicon Vertex detector. The performance of the tagging algorithm used in this analysis (Jet Probability) is also discussed.

¹For the CDF Collaboration

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