

Abstract Submitted
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Measurement of the $t\bar{t}$ Production Cross-Section in Dilepton Events with Secondary Vertex b-tagging ALEXEI VARGANOV, University of Michigan, CDF COLLABORATION — We report on a measurement of the $t\bar{t}$ production cross section in 340 pb^{-1} of $t\bar{t}$ events collected with the CDF detector at the Tevatron containing two identified high p_T leptons, missing energy and at least one b -jet candidate. We reconstruct b -jets using secondary vertices in the silicon vertex detector. By adding the b -quark identification we can relax some of the selection criteria used to identify top decay in the dilepton channel while keeping the non top contamination to a minimum. We finally compare selected kinematic properties of these events with the prediction of the Standard Model for the $t \rightarrow Wb$ vertex.

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