

Abstract Submitted  
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**Search for  $t\bar{t}H$  at CDF** STAN LAI, University of Toronto, CDF COLLABORATION — The search for the elusive Higgs boson is an important goal for hadron collider experiments. The Fermilab Tevatron collides protons and anti-protons at a centre-of-mass energy of 1.96 TeV, and is currently the only collider that has the potential to produce Higgs bosons. We present a search for  $p\bar{p} \rightarrow t\bar{t}H$  production at the Collider Detector at Fermilab (CDF). Though such a process has a very small cross section, the final event topology is quite distinct, making it an interesting channel to study as it tests our understanding of the particles produced in association with top quarks. This measurement complements other searches for the Higgs boson using different channels at CDF.

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