

Abstract Submitted  
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**Search for a Charged Higgs in Top Decays at CDF** GEUM-BONG YU, University of Rochester — We present a search for an anomalous boson in top decays using pair produced top events from  $p\bar{p}$  collisions at CDF II. Our search focuses on a boson which decays into two jets, like hadronic W decays in the lepton+jets channel. With well identified lepton and b jets, we look for a new mass bump in the di-jet mass distribution. For the most favored candidate, a charged Higgs boson at low  $\tan(\beta)$  within MSSM, we present the sensitivity of finding a charged Higgs in the region from 100 to 160 GeV.

Kirsten Tollefson  
Michigan State University

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