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**Search for charged Higgs in lepton+jets channel at CDF** GEUMBONG YU, University of Rochester, CDF COLLABORATION — We present a search for an anomalous boson in top decays using pairly produced top events collected by CDF II detector at the Fermilab Tevatron. Our search focuses on a boson which decays into two jets, like hadronic  $W$  decays in the leptop+jets  $t\bar{t}$  decay processes. With well identified lepton and  $b$  jets, reconstructed di-jet mass would represent higher mass than  $W$  if there is another particle produced from top. We especially concern about charged Higgs(MSSM) in low  $\tan\beta$  plane near 1 with mass between  $90 \text{ GeV}/c^2$  and  $150 \text{ GeV}/c^2$ . Here we will present the sensitivity of finding such abnormal particle from top decays.

- Prefer Oral Session  
 Prefer Poster Session

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Special instructions: Membership pending

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