

Abstract Submitted  
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**Search for Charged Higgs Bosons in Decays of Top Quarks** DIEGO MENEZES, Northern Illinois University, D0 COLLABORATION — We present a search for charged Higgs bosons in the mass range  $80 < m_{H^\pm} < 155$  GeV, assuming the decay  $H^+ \rightarrow \tau^+ \nu_\tau$  (and its charge conjugate). Using  $0.9 \text{ fb}^{-1}$  of lepton+jets data collected by the D0 detector, at the Fermilab Tevatron  $p\bar{p}$  collider, we find no evidence for signal, and exclude branching ratios  $B(t \rightarrow H^+ b)$  at 95% confidence level.

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