

Abstract Submitted
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Search for neutral MSSM Higgs bosons in the $\tau\tau$ decay channel at CDF CRISTOBAL CUENCA, UC Davis, ANTON ANASTASSOV, Rutgers, JOHN CONWAY, UC Davis, DONGWOOK JANG, AMIT LATH, Rutgers, CDF COLLABORATION — We present the results of a search for neutral MSSM Higgs bosons produced in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV. This search was aimed at the $\tau\tau$ decay of the Higgs, with a new large data sample collected by the CDF Run II detector. The $\tau\tau$ decay channel is an excellent probe to Higgs production at the Tevatron Collider. We consider three different modes in this search: $\tau_e\tau_\mu$, $\tau_e\tau_{had}$ and $\tau_\mu\tau_{had}$ where the indices denote the τ decay mode.

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