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**Search for Neutral Supersymmetric Higgs Bosons in di-tau Final States** WAN-CHING YANG, University of Manchester, UK, D0 COLLABORATION — In Supersymmetric models the Higgs boson production cross section can be significantly enhanced compared to the Standard Model. In such models, the Higgs boson has a significant branching ratio to tau leptons at all masses. We present a search for neutral Higgs boson production in the di-tau decay mode using data corresponding to  $2 \text{ fb}^{-1}$  of integrated luminosity collected by the D0 experiment at the Tevatron collider.

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