

Abstract Submitted  
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**Search for Neutral Supersymmetric Higgs Bosons in bbb(b) Final States** TIM SCANLON, Imperial College, London, D0 COLLABORATION — Many extensions of the Standard Model predict greatly enhanced production rates of neutral Higgs bosons in association with bottom quarks. This production manifests itself as an excess of events with 3 and 4 b-jets in the final states over the multijet background. We present results for a search for Higgs bosons in  $bh$  ( $\rightarrow bb$ ) and  $bbh$  ( $\rightarrow bb$ ) channels using  $2 \text{ fb}^{-1}$  of data collected by the D0 detector at the Tevatron.

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