## Abstract Submitted for the APR05 Meeting of The American Physical Society

Search for Neutral MSSM Higgs Boson Production via the Process  $p\bar{p}\to bb+A/h/H\to b\bar{b}b\bar{b}$  JAHRED YAMAOKA, Rutgers University, CDF COLLABORATION — We are presenting a search using CDF Run II data for neutral MSSM Higgs bosons via the process  $p\bar{p}\to b\bar{b}+A/h/H\to b\bar{b}b\bar{b}$ . In the MSSM, Higgs production in association with b-quarks is enhanced at large  $\tan\beta$ , providing a good opportunity for observing the Higgs boson at the TeVatron. The current status of the search, conducted using triple b-tagged events from the CDF Run II data sample, will be shown. The analysis is based on an integrated luminosity of about 200 pb<sup>-1</sup> of CDF data.

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