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Searches for squarks and gluinos at the Tevatron

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We present results on a search for squarks and gluinos performed on data from proton-antiproton collisions collected using the CDF and D0 detectors at the Fermilab Tevatron. Events with multiple jets of hadrons and large missing transverse energy in the final state are studied within the framework of minimal supergravity (mSUGRA) and assuming R-parity conservation. At D0, the search for squarks has also been performed in the topology of multijet events accompanied by large missing transverse energy and at least one tau lepton decaying hadronically. Preliminary results are presented.

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