

Abstract Submitted
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Search for Supersymmetry in the $E_T + \text{b-jet}$ Signature at CDF
MIGUEL VIDAL, OSCAR GONZALEZ LOPEZ, CIEMAT, CDF COLLABORATION — Using data collected with the CDF detector in Run II of the Tevatron, we search events containing two or more jets and missing transverse energy for the presence of physics beyond the Standard Model. At least one of the jets is required to be tagged as originating from a heavy-flavour quark. The analysis is optimized for sensitivity of the supersymmetric partner of the bottom quark produced from gluino decays. Preliminary results are presented, along with future plans for improvements in searches with this signature.

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