

Abstract for an Invited Paper
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State of Tevatron Searches Beyond the Standard Model¹

DAVID HEDIN, Northern Illinois University

Experimental data on particle interactions are well-described by the standard model. However it is expected that some new physics has to appear at energy scales of a few TeV. The CDF and D0 experiments have used data from proton-antiproton interactions at the Tevatron Collider at Fermilab to search for this new physics. Latest results using integrated luminosities of over 3 inverse femtobarns will be reviewed including searches for a range of possible signals such as heavy gauge bosons, supersymmetric particles, leptoquarks, and the effects of extra dimensions.

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