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A Search for Sfermions and Light Gluinos at HERA

H1 Collaboration

Abstract

Within the Minimal Supersymmetric Model a search for selectron–squark production with subsequent decay of the squark into a quark and a light gluino is performed. The search is based on positron-proton scattering data at a center of mass energy of 300 GeV corresponding to an integrated luminosity of 6.4 pb^{-1}.

Plenary Sessions:
12. Searches for New Particles - P. Maettig
14. Supersymmetry and GUTS - G. Ross
Parallel Session: II Electroweak Interaction Physics
7. Tests of the Standard Model
Parallel Session: III Physics beyond the Standard Model
11. Supersymmetry and GUTS
13. Search for New Particles