Contribution ID: 483

Type: not specified

## Search for Squark Production in R-Parity Violating Supersymmetry at HERA

Saturday 18 July 2009 10:00 (15 minutes)

A search for squarks in R-parity violating supersymmetry is performed using the full ep data sample collected by the H1 detector at HERA at a centre-of-mass energy of 319 GeV. This corresponds to a total integrated luminosity of 440 pb^{-1}. The resonant production of squarks via a Yukawa coupling lambda' is considered, taking into account direct and indirect R-parity violating decay modes. The results are interpreted in the framework of the Minimal Supersymmetric Standard Model.

Primary author: Mr SCHMITT, Stefan (DESY)Presenter: HERBST, Michael (Kirchhoff-Institut für Physik, Universität Heidelberg)Session Classification: III. Higgs and New Physics

Track Classification: Higgs and New Physics