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Search for strongly produced SUSY particles in events with zero leptons, jets and missing transverse energy with the ATLAS detector.

Tuesday 8 April 2014 14:00 (15 minutes)

The strong production of Supersymmetric particles at the LHC offers one of the best current direct discovery prospects for Supersymmetry. This talk will focus on the event topologies of zero leptons 2-6 jets and missing transverse energy. Based on recent searches with the ATLAS detector on 8 TeV LHC data searching for squarks and gluinos.

Summary

This student talk will focus on the recent ATLAS searches for squarks and gluinos made with 20.3fb^{-1} 8 TeV data. Highlighting signal production mechanisms, event selection background estimation and interruption of results.

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