

Prospects for SUSY discovery based on inclusive searches with the ATLAS detector at the LHC

We present searches for generic SUSY models with R-parity conservation in the ATLAS detector at the LHC, based on signatures including missing transverse momentum from undetected neutralinos, multiple jets and leptons or b and tau jets. We show the corresponding discovery reach for early ATLAS data, including the effect of systematic uncertainties on the background estimate.

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Track Classification: Poster session