

Abstract Submitted
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SUSY Searches in the Bulk Region of mSUGRA plane with ATLAS Detector DIPANJAN ROY, Univ. of Texas at Arlington, ATLAS COLLABORATION — Supersymmetry (SUSY) is one of the most promising extensions of the Standard Model. SUSY will be explored in the ATLAS experiment at the Large Hadron Collider at CERN, which is scheduled to start in 2007. Search techniques for SUSY are discussed in detail using an example point in the bulk region of the mSUGRA plane. Inclusive and exclusive signatures are explored with fully simulated Monte Carlo data.

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