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Strategy for early SUSY searches at the LHC

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We review the strategy for searching for R-parity conserving SUSY particles at the LHC. Results are focused on the
early stage of collisions, and on the techniques for understanding the detector performance and estimating Standard
Model backgrounds using first data. The measurement of kinematic quantities in the background region is used to
estimate the total background in the kinematic region where a SUSY signal is expected. The significance of SUSY
discovery for 10fb-1 is presented for the mSUGRA model by performing a grid scan on m1/2, m0, A, tanB and sgnmu.

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