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Phenomenology of Natural SUSY

Monday 7 May 2012 17:00 (15 minutes)

Abstract:

The non-observation of signals for supersymmetry in the LHC data appears to have led to questions about the viability of supersymmetry in nature. We delineate clear criteria for SUSY models which stabilize the electroweak scale, and show that these models are not in conflict with the non-appearance of SUSY in the 2011 LHC data. Finally, we discuss the phenomenological implications of these Natural SUSY scenarios.

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