

SUSY searches status with the CMS detector

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The LHC first run came to an end in February 2013 after three years of extraordinary performance. Major advances in physics have been achieved, including the discovery of a new light Higgs particle. This discovery is in agreement with many predictions from simple SuperSymmetric (SUSY) theories, which also predict light super-partners particles. The mass of some of these particles is required to be within the LHC reach by naturalness, therefore an extensive program of searches for new physics phenomena beyond the Standard Model is pursued by the major experiments. In this talk, the most recent results on SUSY searches from the CMS collaboration are presented, covering a broad number of models and scenarios.

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