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BSM searches at ATLAS and CMS

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The results and prospects for searches beyond the Standard Model (SM) at the LHC by the ATLAS and CMS collaborations are presented. Few extensions of the SM has been reported in various final states at 13 TeV center of mass energy at LHC, including di-Higgs production, heavy resonances and displaced decays. The data are found to be consistent with the Standard Model. The non-observation of a signal is converted to limits at the 95% confidence level(C.L) on the production cross section times branching ratio and on the masses of the hypothesized new particles for appropriate benchmark models (new heavy gauge bosons, extra-dimensions, compositeness or dark matter).

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