

Highlights from SUSY Searches with the CMS Detector

Wednesday, 30 May 2018 16:50 (20 minutes)

With the collection of approximately 90 fb^{-1} of proton-proton collision data at center-of-mass collision energy of 13 TeV since 2015, CMS is probing high mass supersymmetry (SUSY) parameter space with large datasets for the first time. The talk will first review results of the standard searches for strongly produced natural SUSY, and highlight corners of phase space where SUSY could still be hiding. Searches for lower cross section electroweak SUSY production will also be presented. The talk will conclude with a discussion of non-traditional SUSY searches including those in final states with long-lived particles and low missing transverse energy from R-parity violation.

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