

Searches for SUSY with boosted objects at CMS

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Searches for supersymmetry at the LHC have pushed the mass limits for strongly-produced sparticles to the TeV level and make the reconstruction and identification of boosted objects to an essential tool for current and future searches for supersymmetry. These objects can originate from the final stage of a short decay chain, or arise heavy gauge or Higgs bosons produced in a decay chain. The talk summaries the use of large-radius jets and substructure techniques in searches such as the ones for the pair production of gluinos or third generation squarks in proton-proton collisions at 13 TeV.

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