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Projections at 14 TeV for Dark Matter Searches in the monojet final state using the upgraded CMS Detector

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The projections of limits for dark matter searches studying from the final states containing a monojet and missing transverse energy at the upgraded LHC are discussed. DM-sample events are generated using MadGraph. In addition, DELPHES simulations at 14 TeV are used to estimate signal and backgrounds to set the limits on DM nucleon cross sections. Additional simple projections using generator level analysis are also carried out to compare to the DELPHES analysis.

Summary

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