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Dark Matter searched in CMS

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The CMS collaboration performed searches for Dark Matter (DM) particles directly produced in pairs in proton-proton collisions. Investigated signatures include a single energetic object and a significant transverse momentum imbalance, strongly coupled DM production or decays in so-called hidden sectors. The Run 2 LHC at a centre-of-mass energy of 13 TeV, corresponding to an integrated luminosity up to 138/fb were used to set exclusion limits on the cross sections of DM production and interaction cross sections, as a function of the DM particle mass.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

CMS

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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