

## Search for dark matter in multijet events at CMS

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We present a search for dark matter production using proton-proton collisions recorded by the CMS experiment at the CERN LHC. The data correspond to an integrated luminosity of  $18.8 \text{ fb}^{-1}$ , at a center-of-mass energy of  $\sqrt{s} = 8 \text{ TeV}$ . Events are required to have at least two jets and no isolated leptons. The specialized razor variables are employed to quantify the transverse momentum balance. The search is carried out separately for events with and without jets originating from b quarks. The observed yields are consistent with the expected background; exclusion limits at 90% confidence level in the context of an effective field theory are obtained.

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