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Search for Dark Matter in Jets plus MET final state for Non-thermal Dark Matter, Fermion Portal and ADD models using data from Proton-Proton Collisions at $\sqrt{s} = 13$ TeV.

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We will present a search for dark matter in events with one or more jets and large missing transverse energy using proton-proton collisions at center-of-mass energy of 13 TeV. The data was collected in 2016 by the CMS detector at the LHC correspond to an integrated luminosity of 35.9 fb⁻¹. The results are interpreted in terms of well known LED ADD model and new models, Fermion Portal and Non-thermal dark matter.

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