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Constraining the dark matter density profile of milky way with gamma-rays with Fermi-LAT

Thursday 21 April 2011 15:50 (20 minutes)

We study the abilities of the Fermi-LAT instrument on board of the Fermi mission to constrain the dark matter density profile and the effect the uncertainties in the dark matter distribution could have to constrain dark matter properties, as annihilation cross section, mass and branching ratio into dominant annihilation channels.

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