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

*Thursday, April 21, 2011 3:50 PM (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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**Session Classification:** Contributed Talks