

## Dark Matter Searches with the Fermi-LAT

*Tuesday 9 April 2013 17:30 (30 minutes)*

Weakly Interacting Massive Particles (WIMPs) are promising dark matter particle candidates that may annihilate or decay into gamma rays detectable by the Fermi Large Area Telescope (Fermi-LAT). The Fermi-LAT has been collecting data for over 4 years, leading to an improved understanding of our gamma-ray sky. The search for a potential dark matter signal in this data is an important task, and I will present recent results from various indirect WIMP searches performed by the collaboration. There has been recent excitement with the report of a line-like spectral feature around 130 GeV, localized in the Galactic center, and I will discuss the current status.

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