Contribution ID: **53** Type: **not specified**

The Quest for Dark Matter Signals and the gamma-ray sky: the low energy window

Saturday 2 February 2013 09:45 (25 minutes)

To uncover the dark matter, to connect what is astrophysically observed to what will be seen as new particles produced in the LHC, we need new measurements.
The Fermi Large Area Telescope is providing the measurements of high energy cosmic ray electrons, positrons and gammas with unprecedented accuracy. These measurements represent a unique probe for studying the origin and diffusive propagation of cosmic rays as well as for looking for possible evidences of Dark Matter.

I will review recent results and future experiments at high energies (like CTA) and the plans to cover the low energy range between 10 and 50 MeV.

Presenter: MORSELLI, Aldo

Session Classification: Indirect Detection