

## **Lecture: Galactic cosmic rays and multimessenger astronomy - Lecturer: Fiorenza Donato**

*Thursday, 21 March 2019 11:15 (1h 45m)*

Lecture 4: Particle Dark Matter; Indirect detection

4.1 Particle Dark Matter

4.2 Dark Matter Density distribution

4.3 CRs from Dark Matter, alias Indirect DM detection

4.3.1 Annihilation spectra

4.4  $\gamma$ -rays from dark matter annihilation

4.5  $\gamma$ -rays: the diffuse emission in the Galaxy

4.6 The Fermi-LAT sky and its interpretation