

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

*Monday, 18 March 2019 11:15 (1h 45m)*

Lecture 1: Galactic cosmic rays

- 1.1 Generalities on Galactic Cosmic Rays: particles, energies, fluxes
- 1.2 Transport of charged particles in the Galaxy, diffusion coefficient
- 1.3 Fermi acceleration of second order
- 1.4 Fermi acceleration of first order