

# Origin of Galactic Cosmic Rays

*Thursday, 21 June 2012 10:50 (35 minutes)*

I will describe the current status of the understanding of the acceleration and propagation of Galactic cosmic rays and discuss some recent observational results on the spectrum, composition and anisotropy of these particles. Special attention will be devoted to successes and problems of the so-called supernova remnant paradigm for the origin of cosmic rays, in the light of the recent gamma ray observations of several remnants. I will also briefly address the question of the transition from Galactic to extra-galactic cosmic rays.

**Primary author:** Dr BLASI, Pasquale (INAF/Osservatorio Astrofisico di Arcetri)

**Presenter:** Dr BLASI, Pasquale (INAF/Osservatorio Astrofisico di Arcetri)

**Session Classification:** The cosmic-ray sky as seen from space