

Propagation and Spectrum of Ultra High Energy Cosmic Rays

Friday, 22 June 2012 11:20 (25 minutes)

A general review on the propagation of Ultra High Energy Cosmic Rays (UHECR) in astrophysical backgrounds will be presented, with particular emphasis on the comparison among theoretical models and recent observations by the Pierre Auger Observatory. In particular, the observed spectrum and chemical composition of UHECR will be discussed in connection with the theoretical aspects of the propagation of these extremely energetic particles.

Primary author: Dr ALOISIO, Roberto (INAF - Osservatorio Astrofisico Arcetri)

Presenter: Dr ALOISIO, Roberto (INAF - Osservatorio Astrofisico Arcetri)

Session Classification: The cosmic-ray sky as seen from ground (or below)