

CRATER 2018



Monday, 28 May 2018 - Friday, 1 June 2018

Gran Sasso Science Institute

Scientific Programme

The CRATER Workshop will bring together scientists to discuss the propagation of cosmic rays in the Milky Way, with special emphasis on the link between the micro-physics of particle transport in turbulent magnetic fields and the galactic-scale transport modeling.

The conference aims at exploring synergies between expertise in plasma physics, cosmic-ray theory, numerical modeling and experimental efforts to investigate the mechanisms responsible for transport in the interstellar environment and their role in explaining recent cosmic-ray anomalies.

Main topics of the workshop:

Models of galactic cosmic ray propagation

Charged particle transport in turbulent magnetic fields

Gamma-ray astronomy

Cosmic ray anisotropy: observations and interpretation