

# 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