

GALPROP Code for Galactic Cosmic Ray Propagation and Associated Photon Emissions

Saturday, 29 October 2011 09:30 (20 minutes)

Research in many areas of modern physics such as, e.g., indirect searches for dark matter and particle acceleration in supernova remnant shocks rely heavily on studies of cosmic rays (CRs) and associated diffuse emissions (radio, microwave, X-rays, gamma rays). The numerical Galactic CR propagation code GALPROP has been shown to reproduce simultaneously observational data of many kinds related to CR origin and propagation. I will report on the latest updates of GALPROP and provide an overview of recent results.

Presenter: Dr MOSKALENKO, Igor (Stanford University)

Session Classification: Leptonic CR anisotropy, propagation models, and ISM