

# Recent Results in Galactic Cosmic Ray Physics and Their Interpretation

*Friday, 29 July 2022 14:00 (30 minutes)*

The last years have been dense with new developments in the search for the sources of Galactic cosmic rays (CRs): 1) The detection of features in the spectra of some primary chemicals opened new questions on the propagation of CRs in the Galaxy. 2) Precise measurements by AMS-02 of secondary nuclei are providing unique information about the transport processes over a larger energy domain 3) HESS, CALET and DAMPE have reported substantial steepening of the total lepton spectrum at  $\sim$ TeV with a spectral index softening by about 1. In my talk, I will discuss some of these developments and their implications for our understanding of the origin of cosmic rays.

**Primary author:** EVOLI, Carmelo (Gran Sasso Science Institute)

**Presenter:** EVOLI, Carmelo (Gran Sasso Science Institute)

**Session Classification:** Invited highlights

**Track Classification:** invited highlight