



Contribution ID: 1366

Type: Poster

Studying temporal variations of cosmic-ray fluxes with AMS-02 data

Measurements made by AMS-02 allow us to study temporal variations in cosmic ray fluxes with precision not achievable before. These variations are related to the process of solar modulation of cosmic ray fluxes, which is described by the transport equation introduced by Eugene Parker. However, the temporal variability of different energies is not well studied yet. In our work, we apply wavelet coherence analysis to daily measurements of cosmic-ray flux near Earth to investigate complex energy-dependent periodicities observed in cosmic-ray fluxes.

Collaboration(s)

Author: KOLDOBSKIY, Sergey (University of Oulu)

Presenter: KOLDOBSKIY, Sergey (University of Oulu)

Session Classification: PO-1

Track Classification: Solar & Heliospheric Physics