

Anisotropy of Positron and Electron Fluxes Measured with the Alpha Magnetic Spectrometer on the ISS

Monday, 25 July 2022 16:15 (15 minutes)

Analysis of anisotropy of the arrival directions of galactic positrons and electrons has been performed with the Alpha Magnetic Spectrometer on the International Space Station. These results differentiate between point-like and diffuse sources of cosmic rays for the explanation of the observed excess of high energy positrons. The AMS results of the dipole anisotropy are presented along with the discussion of the implications of these measurements.

Primary author: MOLERO GONZALEZ, Miguel (Instituto de Astrofísica de Canarias (IAC))

Co-authors: CASAUS ARMENTANO, Jorge (CIEMAT); VELASCO FRUTOS, Miguel Ángel (CIEMAT)

Presenter: MOLERO GONZALEZ, Miguel (Instituto de Astrofísica de Canarias (IAC))

Session Classification: Parallel 1

Track Classification: CRD