Contribution ID: 53 Type: not specified

Brief review of ATIC results on nuclei and electrons

Tuesday 27 August 2013 14:24 (24 minutes)

The Advanced Thin Ionization Calorimeter (ATIC) experiment had a test flight and two science flights from McMurdo, Antarctica, in addition to a beam calibration at CERN. The experiment, designed to measure the spectra of H, He and heavy nuclei, was also capable of separating electrons from protons. The development and history of ATIC is briefly reviewed as a context for presenting the measured spectra of cosmic rays, including total electrons, in the very high energy regime.

Presenter: WEFEL, John

Session Classification: High-energy cosmic rays and their propagation