

Properties of Light Primary and Secondary Cosmic Rays He-C-O and Li-Be-B Measured with the AMS on the ISS

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We present precision high statistics measurements of the primary cosmic rays Helium, Carbon, and Oxygen and the secondary cosmic rays Lithium, Beryllium and Boron by the Alpha Magnetic Spectrometer in the rigidity range from 2 GV to 3 TV, based on 150 billion cosmic ray events collected by AMS during the first 8.5 years of operation aboard the International Space Station. The properties of the He-C-O and Li-Be-B fluxes are discussed. Comparisons with other measurements are shown.

Keywords

AMS; Helium; Carbon; Oxygen; Lithium; Beryllium; Boron; primary cosmic rays; secondary cosmic rays

Collaboration

AMS

other Collaboration

Subcategory

Experimental Results

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