



Contribution ID: 315

Type: **not specified**

Unique Properties of Primary Cosmic Rays: Results from the Alpha Magnetic spectrometer

Monday, September 11, 2023 2:00 PM (10 minutes)

In this contribution, we report the latest results of primary cosmic ray proton, helium, carbon, oxygen, neon, magnesium, silicon, sulfur, and iron fluxes based on the data collected by the Alpha Magnetic Spectrometer experiment on the International Space Station during 11 years of operation. We discuss the properties and composition of their spectra and present a novel model-independent determination of their abundance ratios at the source. The systematic comparison with the latest GALPROP cosmic ray model is presented.

Primary author: FORMATO, Valerio (RM2)

Presenter: FORMATO, Valerio (RM2)

Session Classification: CCR: Charged Cosmic Ray

Track Classification: Charged Cosmic Rays