



Contribution ID: 97

Type: **not specified**

Unique Properties of the 3rd Group of Cosmic Rays: Results from the Alpha Magnetic Spectrometer

Monday, September 11, 2023 2:20 PM (10 minutes)

We will report the latest results on the properties of nitrogen (N), sodium (Na), and aluminum (Al) cosmic rays in the rigidity range 2.15 GV to 3.0 TV based on 5 million N, 0.58 million Na and 0.64 million Al nuclei collected by the AMS. We observe all three fluxes are well described by the sums of a primary cosmic ray component and a secondary cosmic ray component. With our measurements, the abundance ratios at the source of N/O, Na/Si, and Al/Si are determined independent of cosmic ray propagation.

Primary author: Ms LIANG, Meijun (Institute of High Energy Physics, Chinese Academy of Sciences)

Presenter: Ms LIANG, Meijun (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: CCR: Charged Cosmic Ray

Track Classification: Charged Cosmic Rays