



Contribution ID: 228

Type: **Talk in a parallel session**

## Unique Properties of Secondary Cosmic Rays: Results from the Alpha Magnetic Spectrometer

*Tuesday, 9 July 2024 15:30 (20 minutes)*

We present high-statistics measurements of the secondary cosmic rays Lithium, Beryllium, Boron, and Fluorine based on 11.5 years of AMS data. The unexpected rigidity dependence of the secondary cosmic ray fluxes and their ratios to the primary cosmic rays such as  $\text{Li/C}$ ,  $\text{Be/C}$ ,  $\text{B/C}$ ,  $\text{Li/O}$ ,  $\text{Be/O}$ ,  $\text{B/O}$ ,  $\text{F/Si}$  and  $\text{P/Si}$  are discussed. The systematic comparison with the latest GALPROP cosmic ray model is also presented.

**Primary author:** BELYAEV, Nikita (MIT)

**Presenter:** BELYAEV, Nikita (MIT)

**Session Classification:** AMS-02 experiment at the International Space Station

**Track Classification:** Cosmic Rays and Very High Energy Emission (CR): AMS-02 experiment at the International Space Station