



6th Roma International Conference on AstroParticle Physics



Contribution ID: 225

Type: **not specified**

Precision Measurement of Nuclei Fluxes and their Ratios in Primary Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station

Thursday, 23 June 2016 17:00 (25 minutes)

The exact behavior of the nuclei fluxes with rigidity and how they relate to each other is important for understanding the production, acceleration and propagation mechanisms of charged cosmic rays. Precise measurements with the Alpha Magnetic Spectrometer on the International Space Station of the light nuclei fluxes and their ratios in primary cosmic rays with rigidities from 2 GV to 2 TV will be presented. Their dependence with rigidity will be shown.

Presenter: Dr HEIL, Melanie (Massachusetts Institute of Technology)

Session Classification: CR