

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

*Friday, May 15, 2009 5:00 PM (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