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Precision Measurement of Boron to Carbon Flux Ratio in Cosmic Rays with energies from 0.5 GeV/n to 1 TeV/n with the Alpha Magnetic Spectrometer on the International Space Station.

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A precision measurement by the Alpha Magnetic Spectrometer of the Boron to Carbon fluxes ratio with energies from 0.5 GeV/nucleon to 1 TeV/nucleon based on 10 million events is presented. Precision measurement of the Boron flux, based on 2 million events, together with the variation of the flux spectral index with rigidity is also presented.

Collaboration

AMS

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