



ID de la contribución : 780

Tipo : Poster

The ($e^+ + e^-$) flux measurement up to the TeV with the AMS-02 experiment

The AMS-02 detector is a large acceptance cosmic ray detector operating on the International Space Station since May 2011.

About 40 billion events have been collected by the instrument in the first 30 months of data taking.

Among them, 10.5 million of electrons and positrons have been selected to measure the combined electron plus positron energy spectrum at energies up to the TeV.

In this contribution we will present the latest result on the combined electron plus positron energy spectrum evaluation, we will review the employed analysis techniques and we will discuss the implications of this measurement in the investigation of sources for high energy CR electrons and positrons.

Summary

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Clasificación de temáticas : Astroparticle Physics and Cosmology