

## Recent results from the AMS-02 experiment

*Friday, 24 October 2014 09:30 (1 hour)*

The Alpha Magnetic Spectrometer is a precision particle physics detector installed on the International Space Station since May 19, 2011. More than 40 billion of cosmic ray particles have been collected in its first 30 months of operations and nearly 11 million electron and positrons have been selected among them to accurately measure their fluxes in an extended energy range. Results on the positron fraction,  $e^+$ ,  $e^-$  and combined ( $e^+e^-$ ) fluxes will be discussed as well as the detector performances and analysis techniques used to achieve them.

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