

Status of the AMS-02 detector on the International Space Station

On May 19th 2011 the Alpha Magnetic Spectrometer 02 (AMS-02) was mounted on the International Space Station (ISS). Since then the detector is measuring the spectrum of cosmic rays (CRs) and gamma rays with unprecedented accuracy at an unprecedented rate. AMS-02 is able to measure charged CRs up to Iron and up to TeV energies. The first task of analysis is the calibration of the detector in space. This talk focuses on approaches of the calibration for the transition radiation detector (TRD), which was mainly build in Germany (RWTH Aachen, KIT Karlsruhe).

Primary author: HEIL, Melanie (Karlsruhe Institute for Technology)

Presenter: HEIL, Melanie (Karlsruhe Institute for Technology)