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The Dawn of AMS-02

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The AMS02 experiment is designed to perform precision spectroscopy of many different cosmic-ray species. AMS-02 will search for anomalous peaks or structures in the energy spectra of positron, anti-proton, or gamma ray that could signal the existence of dark matter candidates. The AMS-02 spectrometer will also try to provide an answer to the question if nuclear antimatter still exists in the universe.

On May 19 the experiment was installed on the International Space Station and became operative on the same day.

The objectives and the experimental apparatus of AMS-02 will be presented and a first collection of events will be shown.

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