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The AMS-02 detector on the International Space Station - Status and highlights, after the first 5 years on orbit

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The AMS-02 detector is operating on the International Space Station (ISS) since May the 19th, 2011. More than 80 billion events have been collected by the instrument in the first 5 years of data taking. This unprecedented amount of data is being used to perform accurate measurements of the different Cosmic Rays components. In this contribution, the published results and the highlights of the on-going analyses will be presented.

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