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## The official website of the AMS experiment

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The Alpha Magnetic Spectrometer (AMS) is a particle physics experiment installed and operating on board of the International Space Station (ISS) from May 2011 and expected to last through Year 2024 and beyond. Aiming to explore a new frontier in particle physics, the AMS collaboration seeks to store, manage and present its research results as well as the details of the detector and the operations through an official website. An open-source content management framework is employed as the platform to build the website, which allows to manage a variety of information, e.g., institutes in the collaboration, physics results, publications, academic events, etc. The motivation of the website, the development strategy, the infrastructure, the web design concepts and techniques, the development of the custom modules, and the strategy and implementation of the science data sharing and preservation are discussed.

### Consider for promotion

No

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