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Cosmic Ray Nuclei: Results from AMS-02

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AMS is a multi-purpose high energy particle detector designed to perform high precision direct cosmic ray measurements onboard of the International Space Station. AMS can measure and identify cosmic ray nuclei with unprecedented precision and, thanks to its large acceptance and the long exposure time, it is able to provide precision studies of cosmic ray nuclei in the GV-TV region. In 10 years of operation, AMS has collected more than 170 billion cosmic rays triggers. In this contribution, the precision measurement of primary and secondary cosmic rays fluxes from protons to Silicon (Z=14), and the primary Iron flux (Z=26), in the rigidity range from 2 GV up to 3 TV is presented. These measurements are based on the data collected by AMS from May 2011 to May 2018

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