

Abstract Submitted
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AMS results on positrons and antiprotons in cosmic rays ANDREI KOUNINE¹, Massachusetts Institute of Technology, AMS COLLABORATION — AMS-02 is a particle physics detector collecting data on the International Space Station since May 2011. Precision measurements of charged cosmic ray particles have been performed by AMS using a data sample of 85 billion cosmic ray events collected during the first five years of operations on the Station. The latest AMS results on the fluxes and flux ratios of the cosmic ray particles are presented with the emphasis on the measurements of positrons and antiprotons. They show unique features that require accurate theoretical interpretation as to their origin, be it from dark matter collisions or new astrophysical sources.

¹On behalf of AMS

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