

APR15-2015-020127

Abstract for an Invited Paper
for the APR15 Meeting of
the American Physical Society

Latest results from the AMS experiment on the International Space Station

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The AMS measurements of the cosmic ray fluxes are revealing structures in the cosmic positron and electron energy spectra. Different interpretations on the origin of this spectral features have been advanced, one the of the most appealing is that they could originate from Dark Matter decay or annihilation. The most recent AMS results will be presented and the AMS capability in discriminating different models, by means of high statistic measurements of electron, positron and anti-proton fluxes will be discussed.