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Antiproton Flux and Antiproton-to-Proton Flux Ration Measured by with the Alpha Magnetic Spectrometer on the International Space Station

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A precision measurement by AMS of the antiproton flux and the antiproton-to-proton flux ratio in primary cosmic rays in the absolute rigidity range from 1 to 450 GV is presented based on 3.49×10^5 antiproton events and 2.42×10^9 proton events. The antiproton-to-proton flux ratio reaches a maximum at ~ 20 GV and is rigidity independent above 60.3 GV

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