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## PRECISION MEASUREMENT OF ANTI-PROTON TO PROTON RATIO WITH THE ALPHA MAGNETIC SPECTROMETER ON THE INTERNATIONAL SPACE STATION

*Thursday, 8 September 2016 12:30 (15 minutes)*

A precision measurement of the antiproton to proton ratio in the primary cosmic rays in the rigidity range from 1 to 450 GV based on 350,000 antiproton events collected by the Alpha Magnetic Spectrometer on the International Space Station will be presented. The antiproton-to-proton flux ratio reaches a maximum at ~20 GV and is rigidity independent above 60.3 GV.

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