

Abstract Submitted
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Measurements of Cosmic-Ray Nuclei with CALET¹ YOSUI AKAIKE, UMBC-NASA/GSFC, CALET COLLABORATION — Launched in August 2015, the CALorimetric Electron Telescope (CALET) has been measuring high-energy cosmic rays on the International Space Station since October 2015. In addition to its primary goal to precisely measure the electron spectrum in the trans-TeV region, CALET can also measure the nuclei spectra, relative abundances and secondary-to-primary ratios to the highest energies ever directly observed to investigate details of their origin and propagation in the galaxy. The instrument consists of two layers of segmented plastic scintillators to identify the individual elements from $Z=1$ to 40, a 3 radiation length thick tungsten-scintillating fiber imaging calorimeter to obtain complementary charge and tracking information, and a 27 radiation length thick PWO calorimeter to measure the energy. We will report the capability of nuclei measurements with CALET including the results of charge identification using the flight data.

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