## Abstract Submitted for the APR17 Meeting of The American Physical Society

Preliminary CALET Ultra Heavy Cosmic Ray Abundance Measurements<sup>1</sup> BRIAN RAUCH, Department of Physics and McDonnell Center for the Space Sciences, Washington University in St. Louis, FOR THE CALET COLLABORATION — The CALorimetric Electron Telescope (CALET) on the International Space Station (ISS) was launched August 19, 2015 and has been returning excellent data for over a year. The main calorimeter (CAL) on CALET measures the fluxes of high-energy electrons, nuclei and gamma rays. In addition to measuring the energy spectra of the more abundant cosmic-ray nuclei through  $_{26}$ Fe, CAL has the dynamic range to measure the abundances of the ultra-heavy (UH) cosmic-ray nuclei through  $_{40}$ Zr. In an anticipated 5 year mission on the ISS CALET will collect a UH data set with statistics comparable to that achieved with the first flight of the SuperTIGER balloon-borne instrument. The CALET space-based measurement has the advantage of not requiring corrections for atmospheric losses, and unlike other UH measurements the abundances of all nuclei from  $_{1}H$  through  $_{40}Zr$  are observed with the same instrument. We present preliminary CALET UH analysis results from the first year of operation.

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Brian Rauch Department of Physics and McDonnell Center for the Space Sciences, Washington University in St. Louis

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