## Abstract Submitted for the APR21 Meeting of The American Physical Society

Performance of the Cosmic Ray Energetics and Mass Instrument for the International Space Station (ISS-CREAM)<sup>1</sup> KENICHI SAKAI, JASON LINK, NASA Goddard Space Flight Center/CRESST-UMBC, TYLER ANDERSON, YU CHEN, STEPHANIE COUTU, Pennsylvania State University, TYLER LABREE, Northern Kentucky University, JOHN MITCHELL, NASA Goddard Space Flight Center, ISAAC MOGNET, Pennsylvania State University, SCOTT NUTTER, Northern Kentucky University, JACOB SMITH, NASA Goddard Space Flight Center/CRESST-UMBC, MONONG YU, Pennsylvania State University — The Cosmic Ray Energetics and Mass Instrument for the International Space Station (ISS-CREAM) was built by an international collaboration from the US, Republic of Korea, France, and Mexico. The scientific objective of the program is to measure the elemental spectra of cosmic rays from Z=1 to Z=26 over the energy range of  $10^{12}$ - $10^{15}$  eV. The instrument was installed on the international space station on August 22, 2017 with operations terminated on February 12, 2019 resulting in approximately 1.5 years of operation. In this talk, we discuss the performance of the instrument and detectors during its period of operation. We will compare GEANT-4 simulations to instrument data, demonstrate how we determine the appropriate energy scale for the instrument, and show some preliminary results.

<sup>1</sup>This effort is supported under proposal 15-APRA15-0057 and grants NNX17AB42G (PSU) and NNX17AB43G (NKU)

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Date submitted: 22 Mar 2021 Electronic form version 1.4