

Abstract Submitted
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CREAM-I H and He Spectra and Flight Status of CREAM-III

YOUNG SOO YOON, Univ. of Maryland, CREAM COLLABORATION — The Cosmic Ray Energetics and Mass (CREAM) is a balloon-borne experiment to measure the composition and energy spectra of cosmic ray nuclei. During the 2004/05 Antarctic season, CREAM-I had a record-breaking 42 day flight. The CREAM-I instrument has redundant charge identification using a Timing Charge Detector and a Silicon Charge Detector (SCD) and redundant energy measurements using a Transition Radiation Detector and a sampling calorimeter. Preliminary spectra of proton and helium nuclei measured by the calorimeter and SCD during the CREAM-I flight will be discussed. The status of the CREAM-III flight of 2007/08 will also be presented.

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