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Preliminary measurements of Carbon and Oxygen energy spectra from the second flight of CREAM

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Abstract content

The Cosmic Ray Energetics and Mass (CREAM) experiment was successfully flown twice on long-duration balloons from McMurdo, Antarctica, in 2004/05 and 2005/06. During the second flight, the redundant charge identification system of the instrument (based on scintillators and silicon detectors) was upgraded with the addition of a second layer of pixelated silicon sensors. A measurement of the particle energy was provided by an ionization calorimeter. From the on-going analysis of the data of the second flight, preliminary results on Carbon and Oxygen spectra up to a few TeV/n will be presented.

If this papers is presented for a collaboration, please specify the collaboration

CREAM-II collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 23-26

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