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CALET Mission on the International Space Station

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Abstract content

We are proposing the CALET mission carried out on the Japanese Experiment Module of International Space Station. Major purpose of the mission is to search for the nearby cosmic ray sources and dark matter. The detector consists of an imaging calorimeter and a total absorption calorimeter to detect the electrons and the gamma-rays up to 10 TeV with very efficient rejection power of the background protons and accurate energy measurement. The CALET has a capability to measure the protons and nuclei up to 1000 TeV, and will also monitor solar modulation and gamma-ray bursts. The phase A/B study will start from 2007 aiming at the launch by H-II Transfer Vehicle (HTV) in 2013.

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

the CALET Collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, 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 393-396

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