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The PAMELA Electromagnetic Calorimeter: Flight Status.

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Abstract content

The present status of the PAMELA electromagnetic calorimeter on board the satellite Resurs-DK1 will be presented. The PAMELA apparatus was put in orbit on 15 June 2006. The main task of the calorimeter is to select cosmic-ray antiprotons and positrons in a vast background of electrons and protons respectively with an high rejection power. Furthermore, the calorimeter is equipped with a self-trigger capability that allows PAMELA to measure very high- energy electrons. The calorimeter behaviour has been stable since the launch and no main differences can be noted respect to ground test prior the launch. In flight particle discrimination capabilities will be shown.

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

PAMELA 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 341-344

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