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Calibration and Energy Resolution of the ANITA Detector

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Abstract content

The balloon-borne ANITA neutrino telescope successfully launched from McMurdo Station, Antarctica during the 2006-2007 austral summer. In this paper we present ongoing studies of the energy resolution and system response of the ANITA detector, which provide an excellent test bed for validating the ANITA Monte Carlo, and will be of great interest if ANITA discovers signal events. While in view of the launch site, ANITA received calibration pulses from two antennas, located on the surface and in a bore hole in the Ross Ice Shelf, which facilitate these studies.

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

ANITA

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. 5 (HE part 2), pages 1469-1472

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