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BESS-Polar II experiment

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Abstract content

BESS-Polar II (the 2nd version of the BESS-Polar spectrometer) has been prepared for the next Antarctic campaign planned in December 2007. The aim of the experiment is precise measurement of the low-energy antiproton spectrum and to search for antimatter at this solar minimum period, with 5 times higher sensitivity than the total of previous measurements in BESS-Polar I. Most of the detector components have been redesigned and upgraded to improve their performance and to increase the data taking period and capacity. In this conference, the instrument description and status update will be presented.

If this papers is presented for a collaboration, please specify the 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 91-94

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