

Accepted Manuscript

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K. Abe, H. Fuke, S. Haino, T. Hams, M. Hasegawa, K.C. Kim, M.H. Lee, Y. Makida, J.W. Mitchell, J. Nishimura, M. Nozaki, R. Orito, J.F. Ormes, N. Picot-Clemente, K. Sakai, M. Sasaki, E.S. Seo, R.E. Streitmatter, J. Suzuki, K. Tanaka, N. Thakur, A. Yamamoto, T. Yoshida, K. Yoshimura

PII: S0273-1177(16)30630-5
DOI: <http://dx.doi.org/10.1016/j.asr.2016.11.004>
Reference: JASR 12961

To appear in: *Advances in Space Research*

Received Date: 11 May 2016
Revised Date: 30 October 2016
Accepted Date: 3 November 2016

Please cite this article as: Abe, K., Fuke, H., Haino, S., Hams, T., Hasegawa, M., Kim, K.C., Lee, M.H., Makida, Y., Mitchell, J.W., Nishimura, J., Nozaki, M., Orito, R., Ormes, J.F., Picot-Clemente, N., Sakai, K., Sasaki, M., Seo, E.S., Streitmatter, R.E., Suzuki, J., Tanaka, K., Thakur, N., Yamamoto, A., Yoshida, T., Yoshimura, K., The results from BESS-Polar experiment, *Advances in Space Research* (2016), doi: <http://dx.doi.org/10.1016/j.asr.2016.11.004>

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The results from BESS-Polar experiment

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Abstract

The balloon-borne experiment with a superconducting spectrometer (BESS) instrument was developed as a high-resolution, high-geometric-acceptance magnetic-rigidity spectrometer for sensitive measurements of cosmic-ray antiparticles, searches for antinuclei, and precise measurements of the absolute fluxes of light GCR elements and isotopes. The original BESS experiment flew 8 times over Lynn Lake, Canada and once from Fort Sumner, USA during the period of 1993 through 2002, with continuous improvement in the

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