



Contribution ID : **1193**

Type : **Poster**

BESS-Polar II experiment

Wednesday, 4 July 2007 14:45 (0:00)

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

Primary author(s) : Dr. YOSHIMURA, Koji (High Energy Accelerator Research Organization (KEK))

Co-author(s) : Dr. ABE, Koh (Institute for Cosmic Ray Research, the University of Tokyo); Dr. FUKE, Hideyuki (Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency); Dr. HAINO, Sadakazu (High Energy Accelerator Research Organization (KEK)); Mr. HORIKOSHI, Atsushi (High Energy Accelerator Research Organization (KEK)); Dr. KIM, Ki-Chun (Institute for Physical Science and Technology, University of Maryland); Mr. KUSUMOTO, Akira (Kobe University); Dr. LEE, Moo Hyun (Institute for Physical Science and Technology, University of Maryland); Dr. MAKIDA, Yasuhiro (High Energy Accelerator Research Organization (KEK)); Dr. MATSUDA, Shinya (High Energy Accelerator Research Organization (KEK)); Mr. MATSUKAWA, Yosuke (Kobe University); Dr. MITCHELL, John (NASA Goddard Space Flight Center); Dr. MOISEEV, Alex (NASA Goddard Space Flight Center); Prof. NISHIMURA, Jun (The University of Tokyo); Dr. NOZAKI, Mitsuaki (High Energy Accelerator Research Organization (KEK)); Dr. ORITO, Reiko (Kobe University); Prof. ORMES, Jonathan (University of Denver); Mr. SAKAI, Kenichi (The University of Tokyo); Dr. SASAKI, Makoto

(NASA Goddard Space Flight Center); Dr. SEO, Eun-suk (Institute for Physical Science and Technology, University of Maryland); Ms. SHINODA, Ryoko (The University of Tokyo); Dr. STREITMATTER, Robert (NASA Goddard Space Flight Center); Mr. SUZUKI, Junichi (High Energy Accelerator Research Organization (KEK)); Ms. THAKUR, Neeharika (University of Denver); Mr. TANAKA, Kenichi (High Energy Accelerator Research Organization (KEK)); Prof. YAMAGAMI, Takamasa (Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency); Prof. YAMAMOTO, Akira (High Energy Accelerator Research Organization (KEK)); Prof. YOSHIDA, Tetsuya (Institute of Space and Astronautical Science (ISAS), Japan Aerospace Exploration Agency); Dr. HASEGAWA, Masaya (High Energy Accelerator Research Organization (KEK)); Dr. SHIKAZE, Yoshiaki (Kobe University); Dr. HAMS, Thomas (CRESST/USRA/NASA/Goddard Space Flight Center, Greenbelt, MD 20771 USA)

Presenter(s) : Dr. HAMS, Thomas (CRESST/USRA/NASA/Goddard Space Flight Center, Greenbelt, MD 20771 USA)

Session Classification : Posters 1 + Coffee

Track Classification : OG.1.1