

**A SEARCH FOR LOW-ENERGY COSMIC-RAY POSITRONS IN THE ENERGY RANGE FROM  $\sim 2$  TO  $\sim 12$  MEV**

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The Proton/Electron Telescope (PET) aboard the Solar, Anomalous, and Magnetospheric Particle Explorer (SAMPEX) can detect positrons with limited but definable efficiency. SAMPEX has been in low Earth orbit since 1992, and when the orbit approaches the magnetic poles, PET is sensitive to solar modulated cosmic ray positrons as well as positrons from potential sources such as the Sun. We will present the results of a search for evidence of positrons from  $\sim 2$  to  $\sim 12$  MeV with data from 1992 to 2000.

This work is supported in part by NASA under contract NAS5-30704 and grant NAGW-1919.