

¹ University of Bergamo Department of Engineering and Applied Sciences Dalmine (BG), Italy

Module:

shown)

11-bits ADC

SPI. ...)

trimming

Laboratory

Lab, NY

NASA

IN

² University of Pavia. Department of Electrical, Computer and Biomedical Engineering,

Introduction

Pavia. Italv

This work reports the experimental results from the characterization of semiconductor detector module, that is the basic unit of the tracker for the General AntiParticle Spectrometer (GAPS) balloon mission. In the austral summer of 2024, GAPS will search for an indirect signature of dark matter through the detection of low-energy (< 0.25 GeV/n) cosmic-ray antiprotons, antideuterons, and antihelium

Design and performance of the readout chip in the Si(Li) tracker module of the GAPS experiment

³INFN

Italv

⁴INFN

⁵Oak Ridge

Laboratory, TN,

National

USA

INFN

CAK RIDGE

National Laboratory

Sezione di Pavia,

Sezione di Trieste. Italy

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ASIC Classification