ジオスペース探査衛星に搭載する積層型シリコンストリップ半導体MeV電子検出器の地上性能評価
Preflight perfomance of stacked silicon strip detectors for MeV electron on board the Geospace exploration satellite ``ERG''

*三谷 烈史[1]、笠原 慧[1]、高島 健[1]、平原 聖文[2]、三宅 亙[3]、長谷部 信行[4]
*Takefumi Mitani[1], Satoshi Kasahara[1], Takeshi Takashima[1], Masafumi Hirahara[2], Wataru Miyake[3], Nobuyuki Hasebe[4]

1.宇宙航空研究開発機構宇宙科学研究所、2.名古屋大学、3.東海大学、4.早稲田大学
1.Japan Aerospace Exploration Agency, Institute of Space and Astronautical Science, 2.Nagoya University, 3.Tokai University, 4.Waseda University

The Energization and Radiation in Geospace (ERG) project will explore how relativistic electrons in the radiation belts are generated during space storms. ``High energy particle (electron)'' instrument (HEP-e) on board ERG satellite will observe 70 keV -2 MeV electron, which cover energy range of electrons to be accelerated and accelerated electrons, and play an important role to understand electron acceleration. HEP-e provide three dimensional distribution of electron every spacecraft spin period.The sensor of HEP-e is a pin-hole type camera which consist of mechanical collimator, silicon semiconductor detectors and readout ASICs. In this presentation we introduce HEP-e and report the results of performace tests of the flight model.

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