
PEM021-04

Room: Function Room A

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Measurement of the Radiation Environment on the IBUKI(GOSAT) Satellite

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The Light Particle Telescope (LPT) on board the IBUKI satellite (Greenhouse gases Observing Satellite: GOSAT) was launched on 23 Jan. 2009, and has been operated in low earth orbit at 666 km altitude with 98 degree inclination. The objective of the LPT on board the IBUKI satellite is to obtain the information of the space radiation environment for the safety operation of the IBUKI satellite, as well as for the study of space radiation environment in the low earth orbit. The LPT measures 0.03-20MeV electrons, 0.4-500MeV protons and 3-2000MeV helium particles. In this talk, we will make a presentation on the overview of the instrument and introduce some data measured by LPT.

Keywords: Space Environment, Radiation