

R006-48

Zoom meeting B : 11/3 AM1 (9:00-10:30)

10:00-10:15

PINO (Particle Instrument for Nano-Satellite) onboard the BIRDS-5 satellite

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Recently, the use of CubeSats has become more familiar, and researches in space science by using CubeSats are no longer unusual. We expect that CubeSats could be applied to full-scale observations in the space environment research. However, our experience of CubeSat usage is still lacking, and more opportunities to install instruments onboard CubeSats are desired for future planning and the development of new instruments.

Fortunately, we are provided a chance to install a high-energy electron measurement onboard the BIRDS-5 satellite, which is the fifth satellite in Joint Global Multi-Nation Birds Satellite (BIRDS) Program of Kyushu Institute of Technology. The BIRDS-5 project was kicked off in July 2020, and, thanks to the JSPS KAKENHI support, we have started to develop the high-energy electron analyzer, PINO: Particle Instrument for Nano-Satellite. In this presentation, we will present the outline of the science plan and the latest status of PINO development.