

Observations of low-energy ions with Arase/LEPi

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Arase satellite has been successfully launched into the orbit. The Arase project is focuses on understandings of plasma acceleration / loss / transport mechanisms taking place in the inner magnetosphere. Since energy of particles is ranges over several orders in geospace, Arase carries several particle instruments in order to cover wide energy range, from 10eV/q to 200keV/q (ions), and from 10eV to 10MeV (electrons). LEPi (Low-energy particle experiments - ion mass analyzer) is one of the instruments onboard Arase, which is an energy-mass spectrometer designed to measure the ions with energies from ~0.01keV/q up to 25keV/q. When the instrument passes the initial checkout phase after launch, it will start regular observations.

We will present the current status of LEPi.

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