



專題演講

ERG: Japan-Taiwan Collaborative Effort to Explore the Radiation Belts

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Time : 106 年 1 月 13 日 星期五 15:00~16:00

Place : 健雄館(科四館)S4-917 教室

摘要/Abstract :

The ERG (Energization and Radiation in Geospace) satellite was launched at 20:00 Japan Standard Time on December 20, 2016 from Uchinoura, Japan. The mission is a collaboration between Japan and Taiwan, as one of the instruments aboard the Japanese satellite, LEP-e (Low-Energy Particle experiments - Electron analyzer), was developed by a team in Taiwan that featured the joint effort by Academia Sinica and National Cheng Kung University. The mission aims to investigate the dynamics in the inner magnetosphere, particularly the Van Allen Radiation Belts where the existence of highly energetic particles is common, with the primary goal to understand the acceleration and loss mechanisms of such energetic particles, especially electrons with energies in the relativistic range. The satellite mission is part of the ERG project, which will integrate data analyses and simulations based on the satellite measurements and ground-based network observations. With conjugated ground observations complementing measurements by a variety of instruments on the satellite for electromagnetic fields as well as ions and electrons of wide ranges of energy, the ERG project has the potential to contribute to space science research beyond its primary objective

※歡迎聽講※

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