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Current status of Hinode science center: toward Solar-C science center

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For the promotion of the Hinode science output, a Japanese science center is formed at ISEE, Nagoya University, where analysis tools, calibration, and the computer environment for data analysis are provided to the researchers. In this talk, we discuss the current status of Hinode science center at ISEE. Recently, Solar-C(EUVST) (EUV High-Throughput Spectroscopic Telescope) mission is discussed as a flagship mission for the solar physics over the world. Solar-C(EUVST) is designed to comprehensively understand the energy and mass transfer from the solar surface to the solar corona and interplanetary space, and to investigate the elementary processes that take place universally in cosmic plasmas. As a fundamental step towards answering how the plasma universe is created and evolves, and how the Sun influences the Earth and other planets in our solar system, the proposed mission is designed to comprehensively understand how mass and energy are transferred throughout the solar atmosphere. Understanding the solar atmosphere, which connects to the heliosphere via radiation, the solar wind and coronal mass ejections, and energetic particles is pivotal for establishing the conditions for life and habitability in the solar system. We now also prepare to set up the Solar-C science center at ISEE. We discuss the current status of Solar-C science center at ISEE.

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Abstract

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Classification de Session: Interfaces & Databases