

P232-001

Room: 301B

Time: May 18 10:45-11:00

The Status of Japanese Lunar Exploration Projects and Objectives for the Integrated Sciences of the Moon

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A new era of Japanese lunar exploration is coming. SELENE is a lunar explorer which will execute the global survey of the moon to elucidate its origin and evolution, make technical demonstration, and acquire lunar data for the future exploration. 15 observation instruments will be installed to observe chemical elements, mineralogy, surface structure, surface environment, gravity field, and imaging for popularization. SELENE is now going to integrate mission instruments to satellite systems, and is scheduled to be launched in the summer in 2007. Lunar-A is a lunar probe which provides penetrators to elucidate the structure and composition of the lunar interior. The final confirmation for the penetrator system is going. We will discuss the strategy for the integrated sciences of our domestic lunar explorations.