

R009-01

A 会場 : 11/24 PM1 (13:45-15:45)

13:45~14:00:00

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BepiColombo Mission Status and Overview of Mercury Flyby Results

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The ESA-JAXA joint mission BepiColombo is still on the cruise to Mercury. The BepiColombo mission consists of two spacecraft, Mio (Mercury Magnetospheric Orbiter: MMO) and Mercury Planetary Orbiter (MPO). The two orbiters will arrive at Mercury in November 2026. The 8-years interplanetary cruise of BepiColombo covers the heliocentric distance range of 0.3-1.2 AU and also includes 9 planetary flybys: once at the Earth, twice at Venus, and 6 times at Mercury. On 8 January 2025 we completed the last (6th) Mercury flyby successfully. Even before arrival, we already obtained fruitful science data from Mercury during the Mercury flybys. We performed science observations with almost all the instruments onboard Mio and successfully obtained comprehensive data of Mercury's magnetosphere such as magnetic fields, plasma particles, and waves. Here we present the updated status of the BepiColombo mission and the overview of the results from the science observations during the Mercury flybys.