

Title: The 6th DESTINY⁺ Science Working Team (SWT) Meeting

Date: Tuesday, September 30, 2025 (DAY1)—Wednesday, October 1, 2025 (DAY2)

Time: 13:25 (DAY1)/10:30 (DAY2)—16:50 (Japan Standard Time: UTC+9)

6:25(DAY1)/3:30(DAY2)—9:50 (Central European Summer Time: UTC+2)

21:25-1(DAY1)/18:30-1(DAY2)—24:50-1 (Pacific Daylight Time: UTC-7)

Venue: Tokyo Skytree Town® Campus of Chiba Tech (Room A) & Zoom (in hybrid format)

<Sep 30> All talks are ca 20 min including 5 min Q&A [*: online]

13:15 Venue open

13:25-13:30 Opening remark, Logistics

■ Opening remark: T. Arai

■ Logistics: T. Okamoto

13:30-14:30 Latest Project Status [Chair: H. Kimura]

■ Trajectory design of DESTINY⁺: Toward Phaethon and multiple asteroids: N. Ozaki (ISAS/JAXA)*

■ DESTINY⁺ overall and system development status: H. Toyota (ISAS/JAXA)

■ DESTINY⁺ science mission and science team activities status: T. Arai (PERC/Chiba Tech)

14:30-14:50 Comfort Break

14:50-15:50 Latest Project Status – continued [Chair: K. Ishibashi]

■ Status of the DESTINY⁺ science management plan and the next tasks: K. Wada (PERC/Chiba Tech)

■ DESTINY⁺ Science Center: M. Yamada (PERC/Chiba Tech)*

■ Dust in-situ data archives: M. Kobayashi (PERC/Chiba Tech)

15:50-16:10 Comfort Break

– Activity Reports from Science Working Groups –

16:10-16:30 Ground Observation SWG [Chair: K. Wada]

■ Update on the physical properties of Phaethon from the latest papers: F. Yoshida (UOEH, PERC/Chiba Tech)

16:30-16:50 Science Proposal [Chair: K. Wada]

■ Thermal processing of meteorites in support to MCAP observation @ Phaethon: E. Palomba (IAPS - INAF)*

<Oct 1> All talks are ca 20 min including 5 min Q&A [*: online]

– Activity Reports from Science Working Groups [continued] –

10:30-11:10 Phaethon SWG [Chair: T. Okamoto]

■ TCAP & MCAP development status: K. Ishibashi (PERC/Chiba Tech)

■ Camera science status: T. Morota (Univ. of Tokyo)

11:10-11:30 Comfort Break

– Activity Reports from Science Working Groups [continued] –

11:30-12:10 Phaethon SWG – continued [Chair: F. Yoshida]

■ Simulated data of Phaethon: T. Morota (Univ. of Tokyo)

■ Yarkovsky and YOPR effect simulation on 3200 Phaethon: Update: H. Senshu (PERC/Chiba Tech)

12:10-13:50 Lunch Break

– Activity Reports from Science Working Groups [continued] –

13:50-14:50 Dust SWG [Chair: M. Kobayashi]

■ Update: The interstellar dust detection conditions with the DESTINY⁺ Dust Analyzer (DDA) : H. Krüger (MPS, PERC/Chiba Tech)

■ DDA status: R. Srama (Univ. of Stuttgart)*

■ Status report on ground calibration of DDA: M. Tieloff (Univ. of Heidelberg)*

14:50-15:10 Comfort Break

15:10-15:30 Invited talk [Chair: F. Yoshida]

■ Tumbling spin state of Apophis: Towards its precise solution by mid-2028: P. Pravec & J. Durech (Astron. Inst. AS CR)*

15:30-16:50 Discussion etc. [Chair: T. Arai]

■ Discussion on future topics

■ Future SWT meetings

■ Concluding remarks

The time slots of presentations are subject to change