

The 3rd DESTINY+ Science Working Team (SWT) meeting

Date: 2023 Mar. 2 (Thur.) – Mar. 3 (Fri.)

15:00-18:00 (Japan Standard Time), 07:00-10:00 (Central European Time)

The meeting is held on-line. CIT skytree town campus conference room is also available for those who like to attend on site. **The venue is open from 13:00 till 18:00.**

All talks are 20 minutes including 5 min. Q&A.

<March 2>

15:00 Opening remark, Logistics: T. Arai

15:05 - 16:25 Project status <Chair: K. Wada>

- Overall and system development status: H. Toyota, T. Takashima (ISAS/JAXA)
- Trajectory design of DESTINY+: Toward Phaethon and multiple asteroids: N. Ozaki (ISAS/JAXA)
- Science team activity status: T. Arai (PERC/ChiTech)
- TCAP & MCAP development status: K. Ishibashi (PERC/ChiTech)

16:30 - 17:30 <Chair: T. Hirai >

- DDA development status, the first DDA test results and expectations for science performance: J. Simolka, R. Srama (Univ. of Stuttgart)
- Status report of ground calibration of DDA: M. Trieloff (Universität Heidelberg)
- Micro-debris measurements with DDA: M. Sommer (Univ. of Stuttgart)

17:30-18:00

- DDA-related discussion

18:00 Adjourn

<March 3>

15:00 - 16:40 <Chair: H. Kimura>

Ground Observation of Phaethon

- Multicolor Simultaneous Photometry of (3200) Phaethon with Seimei/TriCCS in 2021: J. Beniyama (The Univ. of Tokyo), T. Sekiguchi (Hokkaido Univ. of Education)
- Polarimetric observation in 2021: J. Geem, M. Ishiguro (Seoul National Univ.)
- Stellar occultation observation in 2021/2022: F. Yoshida (Univ. of Occupational & Environmental Health)
- A thermophysical study of the DESTINY+ mission target 3200 Phaethon: H. Senshu (PERC/ChiTech)
- Shape model of 3200 Phaethon from radar, occultation, and light-curve observations: S. Marshall (Arecibo Observatory & Univ. of Central Florida)

16:50-17:20 <Chair: F. Yoshida>

Future ground Observation plan for Phaethon (discussion)

- Verification of rotational acceleration, orbital change
- Stellar occultation observation of asteroid 2005UD
- Thermophysical analyses
- UV-VIS reflectance spectra
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17:20-18:00 <Chair: T. Arai>

Discussion for future topics (All)

- Science opportunities for Earth-spiraling phase, Lunar-swing-by phase
- Lunar impact flashes and sodium tail observations during cruising phase
S. Abe (Nihon University)
- Direct measurement of chemical composition of dust around the Moon by DDA
T. Arai (PERC/ChiTech)
- Science Working Team status
- Future meeting

18:00 Adjourn

(end)