R009：惑星圏・小天体 (Planets and Small Bodies)

	発表時間	タイトル (Title)	主著者 (First Author)	
A会場：11/24　PM1（13:45-15:45）				
1	13:45 - 14:00	BepiColombo Mission Status and Overview of Mercury Flyby Results	Go	Murakami
2	14:00 - 14:15	Observation of Mercury Magnetosphere During Mercury Flyby #4 and #6 by MPPE on BepiColombo/Mio	Yoshifumi	Saito
3	14:15 - 14:30	Significance of background electron temperature inferred from whistler-mode wave propagation in Mercury's magnetosphere	Mitsunori	OZAKI
4	14:30 - 14:45	Study of Na source regions in the Mercury's magnetosphere based on systematic global MHD simulations	Kanako	Seki
5	14:45 - 15:00	Assessment of Cosmic-Ray-Induced Space Weathering on Mercury's Surface Using Radiation Simulations	Gaku	Kinoshita
6	15:00 - 15:15	Dependence of proton and magnetic field structures in Mercury's magnetotail on upstream IMF directions	Tomoki	MORI
7	15:15 - 15:30	Mass analysis of refractory ions emitted from the moons and small bodies	Shoichiro	YOKOTA
8	15:30 - 15:45	Development of a Molecular Ion Identification Method for a TOF Ion Mass Spectrometer on Comet Interceptor Using Simulated Data	Ryo	TAO
A会場：11/24　PM2（16:05-18:05）				
1	16:05 - 16:20	Spatial and temporal variability of low-energy lunar Ions: Insights from Kaguya/IMA observations	Kei	Masunaga
2	16:20 - 16:35	Mechanisms of Ion-Driven Positive Charging in Lunar Cavities under Variable Flow-to-Thermal Speed Conditions	Jin	Nakazono
3	16:35 - 16:50	Variations of photoelectron emission from the lunar surface with solar activity	Masahisa	Kato
4	16:50 - 17:05	Status of ultraviolet space telescope LAPYUTA	Fuminori	Tsuchiya
5	17:05 - 17:20	Development of High-Reflectivity Ultraviolet Mirrors for LAPYUTA	Umi	ENOKIDANI
6	17:20 - 17:35	Plasma properties from Io's to Europa's orbit estimated from the Hisaki observation	Natsuko	Matsushita
7	17:35 - 17:50	Hydrodynamic numerical experiments on condensation-inhibited convection in Jupiter's atmosphere	Iroha	Miyamoto
8	17:50 - 18:05	Lifetime of chloride salts on Europa estimated from plasma irradiation experiments	Miyu	Okumoto

A会場：11/25　AM1（9:15-10:45）

1	9:15 - 9:30	Habitable Worlds Observatory (HWO): Overview of the project and Japan's participation plan	Keigo	Enya
2	9:30 - 9:45	Conceptual study of UV Integral Field Spectrograph and High-Resolution Spectrograph onboard Habitable Worlds Observatory	Shingo	Kameda
3	9:45 - 10:00	Development of a Simplified Analytical Model for Exoplanetary Auroral Radio Emission	Satyagraha	ASA
4	10:00 - 10:15	Ray Tracing for Titan's Ionospheric Occultation of Saturn Radio Emissions: Implications for JUICE Mission	Rikuto	Yasuda
5	10:15 - 10:30	Comparison of Titan's atmospheric escape processes driven by the Kronian and solar winds using 3D magnetohydrodynamic simulations	Ryoma	Takada
6	10:30 - 10:45	Non-thermal escape of hydrogen atmosphere on early Earth by a 3D multispecies MHD simulation	Yuri	Kusano

A会場：11/25　AM2（11:05-12:35）

1	11:05 - 11:20	MAVEN Observations of Collisional Effects on Magnetic Reconnection in the Martian Ionosphere	Yuki	Harada
2	11:20 - 11:35	Eleven-ion multifluid simulation study on the effects of crustal magnetic fields at Mars	Ryoya	Sakata
3	11:35 - 11:50	Effects of magnetic field structures on Martian diffuse auroras based on MAVEN observations	Taishin	OKIYAMA
4	11:50 - 12:05	Study of global SEP precipitation into Martian atmosphere based on PTRIP and MAESTRO models	Yusei	NISHIYA
5	12:05 - 12:20	Global trends of the martian nightside ionosphere and the effects of upstream drivers and crustal fields based on MEX and MAVEN	Naoyuki	Takeuchi
6	12:20 - 12:35	Statistical study of ion escape from Mars during CIR events based on MAVEN observations	Rima	Kamei

A会場：11/25　PM1（13:45-15:45）

1	13:45 - 14:00	Martian water loss to space driven by a rocket dust storm	Shohei	Aoki
2	14:00 - 14:15	Development of Hydrogen/Deuterium Absorption Cells Using Platinum Filaments	Madoka	Endo
3	14:15 - 14:30	Classification and Global Analysis of High- and Low-Altitude Dust on Mars Using 2.77 ?m and 2.01 ?m from OMEGA/MEx	Akira	KAZAMA
4	14:30 - 14:45	Aerosol transport by traveling waves in the Martian atmosphere studied with MRO/MCS data	Nozomi	Kakinuma
5	14:45 - 15:00	Development of a 0.9-THz-band hermonic mixer detector of THSS for Martian Atmospheric Observations	Yudai	Matsumoto

6	15:00 - 15:15	Derivation of vertical profiles of sulfur dioxide (SO2) in the Venus cloud layer from Akatsuki radio occultation measurements	Katsuyuki	Noguchi
7	15:15 - 15:30	Waves driving the temperature and tropopause height variations with time scales of several days in the Venusian polar cloud layer	Miyu	SUGIURA
8	15:30 - 15:45	Science Goals of OPENS-0: Outer Planet Exploration by Novel Small Spacecraft	Takeshi	Imamura

ポスター3：11/26　PM2/PM3　（14:50-18:25）

1	Observation of Mercury's Potassium Exosphere using the Tohoku 60-cm Telescope at Haleakala Observatory in Hawaii	Masato	Kagitani
2	Numerical modeling of particle dynamics in the near-Mercury space environment: Initial results	Kirolosse	GIRGIS
3	Development of the ion mass spectrometer for the Comet Interceptor mission	Satoshi	Kasahara
4	Examination of the Method to Estimate the Magnetometer Sensor Alignment on Comet Interceptor Using Artificial Magnetic Noise	Yoshiharu	Kurematsu
5	Analysis of high-resolution ultraviolet spectral data of comet comas for observation of Comet Interceptor/Hydrogen Imager	Yusei	MITOH
6	Analysis of H2O abundance in the lunar magnetic anomaly region using KAGUYA MAP-PACE data	Yudai	ARAI
7	Study on the dust impact signals observed by the WFC aboard KAGUYA	Yasunori	Otsubo
8	Analysis of Prediction reasons using Explainable AI for the Application of Solar Radiation Prediction on the Moon	Takashi	Yanase
9	Magnetic anomalies and landing site evaluation for STEP1 on Mars	Masahiko	SATO
10	Study of Ion Escape from Mars through Polar Plumes based on Global Multi-Fluid MHD Simulations	Takemoto	Taishi
11	Planetary Protection Category IV-Compliant Frequency-Separation Filter for a THz Heterodyne Spectrometer for Mars Orbiter Missions	Hinako	Fujimaki
12	New IRTF/TEXES Measurements of Martian H2O2 During Northern Summer: Preliminary Results	Mizuto	Iguchi
13	Global Analysis of Martian Surface Pressure in MY27-29 using Mars Express/OMEGA	Akira	Kazama
14	CO2 supersaturation in the Martian southern polar night using MGS radio occultation rederived with MCS temperature climatology	Katsuyuki	Noguchi
15	Formaldehyde reaction measurement in a droplet with an electrodynamic balance and Raman spectroscopy	Soma	Ubukata
16	The Observational Feasibility of Escape of Water Vapor Atmosphere from Terrestrial Exoplanets by Ultraviolet Transit Spectroscopy	Ryuga	Kato

17	Response of the Venusian hydrogen exosphere to the solar wind coordinated observations by Hisaki and Venus Express	Chizuru	Nose
18	Formation of V0 Layer in Venus' Nightside Ionosphere Induced by SEP Events	Pucheng	Lu
19	Bifurcation and stability of the co-condensation dynamics of H2SO4-H2O droplets in Venusian clouds	Hiroki	Ando
20	Variations in the distribution of the unknown UV absorber associated with planetary-scale waves at the Venus cloud top	Masataka	Imai
21	Cloud top circulation of Venus obtained from denoised thermal infrared images	Zhuan	Guo
22	Occurrence characteristics of Jovian narrowband kilometric radiation (nKOM) using Juno/Waves data	Rentaro	SUGAWARA
23	New Compact Low-Frequency Radio Observatory LWA-Niyodo	Masafumi	Imai
24	Planetary Lightning -Based on the Roly-Poly, the Dipole Proximity Electron Relay, the Dipole Series Battery, Capacitance-Decrease-	Motonobu	Sato
25	Radio instrument of Radio and Plasma Wave Instruments (RPWI) aboard ESA JUICE: from Launch, via Lunar-Earth, toward Venus	Yasumasa	Kasaba
26	A test particle simulation for re-evaluation the energy input into the Saturn's atmosphere by keV electrons	Hiroyasu	Tadokoro
27	UV space telescope LAPYUTA: overview of the mission instruments and development updates	Go	Murakami
28	Development of a large, high-sensitivity ultraviolet detector for installation on LAPYUTA	Ayaka	Tadokoro