

HAYABUSA2025 Symposium Venue: 2F Conference Hall, Building-A, ISAS, JAXA Sagamihara Campus, Date: 2025/11/11(Tue) - 14(Fri) Version 20251016																			
Time JST (+9hr)	Day1 (Nov 11)				Time JST (+9hr)	Day2 (Nov 12)				Time JST (+9hr)	Day3 (Nov 13)				Time JST (+9hr)	Day4 (Nov 14)			
9:00					9:00		Registration			9:00		Registration			9:00		Registration		
9:15					9:15			Chair: T. Yada		9:15			Chair: H. Sugahara		9:15			Chair: T. Ishizaki	
9:30					9:30	S21-01	Recent Improvements in AIVA's High-Resolution Systematic Photographic Documentation Process for Hayabusa 2 and OSIRIS-REx Samples in the 0.1mm to 15mm Size Range	Erika Blumenfeld	Online	9:30	S31-01	The space polymer Hemoglycin.	Julie McGeoch	Online	9:30	S41-01	The recent geologic history of Benuu revealed by impact craters on boulders and samples	Ron Ballouz	Online
9:45					9:45	S21-02	Sulfur Oxidation States in Ryugu Particle A0093	Shashank Araokar	Online	9:45	S31-02	Preservation of organic matter within primary fluid inclusions in late Middle Pleistocene halite from the Mars-analog Qaidam Basin	Tongtong Huang		9:45	S41-02	Small-Scale Mechanics: Cohesion of Benuu Particles	Keanna Jardine [Invited]	Online
10:00		Registration			10:00	S21-03	Preliminary Lessons Learned from the Canadian Curation Facility Construction for Benuu Sample	Caroline-Emmanuelle Morisset	(Online)	10:00	S31-03	Soluble organic molecules and primordial aqueous alterations of the two carbonaceous asteroids Benuu and Ryugu	Yoshinori Takano		10:00	S41-03	The role of mineralogy on fatigue-crack formation in Benuu's returned samples	Jamie Molaro [Invited]	Online
10:15					10:15	S21-04	Refining the Canadian Space Agency's cleaning procedures for the curation of the Benuu sample	Patrick Hill	(Online)	10:15	S31-04	Analysis of Asteroid Ryugu by Wet Chemistry and Pyrolysis-Gas Chromatography-Mass Spectrometry	Angel Mojarro		10:15	S41-04	Magnetic Analysis of Extraterrestrial Samples: The Importance of Low-Temperature Measurements	Masahiko Sato [Invited]	
10:30					10:30	S21-05	Innovative and customized Sample Container to transport, analyse and storage small extra-terrestrial samples between laboratory facilities: the ISAC project	Fabrizio Dirri		10:30	S31-05	Soluble phosphates in the Benuu samples	Hiroshi Naraoka [Invited]		10:30	S41-05	Shock metamorphism in Itokawa: Comparative analysis with megaregolith meteorites	Elena Dobrica	
10:45	S11-01	Opening	Chair: T. Okada		10:45		Coffee Break			10:45		Coffee Break			10:45		Coffee Break		
10:55	S12-01	Ongoing asteroidal samples curation and curation plans for samples returned by future missions in JAXA Extraterrestrial Sample Curation Center	Toru Yada / Tomohior Usui		11:00			Chair: H. Connolly		11:00			Chair: R. Sakurai		11:00			Chair: R. Fukai	
11:15	S12-02	Preparation for Benuu curation and ongoing Benuu sample description efforts at the ESCuC, JAXA	Rui Tahara		11:15	S22-01	Classification of Benuu Particles Based on Three-Dimensional Shapes	Ryosuke Sakurai		11:15	S32-01	Surface Exposure Ages of Rubble Pile Asteroids	Lindsay Keller		11:15	S42-01	Moderately volatile isotopes in CB and CH chondrites	Vinciane Debaille	
11:30	S12-03	The NASA OSIRIS-REx Sample Catalog: Two Years After Earth Return	Nicole Lunning		11:30	S22-02	Accessory Cr,Ti-rich phases in Ryugu particles and the CI chondrites Ivuna, Alais, and Tonk	Falko Langenhorst		11:30	S32-02	Exposure Histories of CI Chondrites	Kunihiko Nishiizumi		11:30	S42-02	Comparison Study of Macromolecular Organic Matter between Asteroids Benuu and Ryugu	Hikaru Yabuta	
11:45	S12-04	Analytical Balance Modifications for Use in a Curation Sample Processing Glovebox	Christopher Snead		11:45	S22-03	Coordinated Analyses of a Graphite Spherule from Asteroid Ryugu	Laura B Seifert		11:45	S32-03	Noble Gas Study on Orgueil and Revelstoke C1 Chondrites: Comparison with Noble Gas Composition of Ryugu Samples Collected by the Hayabusa2 Spacecraft	Keisuke Nagao		11:45	S42-03	C and Fe XANES Observations of Ryugu Return Samples	Samuel Alpert	
12:00	S12-05	The Sample Analysis Laboratory (SAL) at the German Aerospace Center (DLR) Berlin – a new laboratory for extraterrestrial material analysis and curation	Stephen Garland		12:00	S22-04	Production of hydrous, carbonaceous chondrite-like cosmic dust by impacts of micrometeoroids into C-type asteroid regolith	Christopher Hamann		12:00	S32-04	Nitrogen isotope variations among Ryugu and Benuu bulk samples caused by hydrothermal alterations	Ko Hashizume		12:00	S42-04	Chemical Characteristics of Amorphous Na–Mg Phosphate Phases in Samples from Asteroids Benuu and Ryugu	Taiga Takase	
12:15	S12-06	Influence of Fine Particles in the Hayabusa2 Clean Chamber on the Chemical Composition of Class 2 Ryugu Aggregates	Yuma Enokido		12:15	S22-05	Cooling Rates of Chondrules Constrained by Porphyritic Textures Reproduced by High-temperature Levitation Experiments	Kana Watanabe		12:15	S32-05	Noble gases in Ryugu samples and comparison with the new CI chondrite Oued Chebeika 002	Felix Vayrac		12:15	S42-05	Sodium salts in Ryugu samples: remnants of late-stage brine in a primitive asteroid	Toru Matsumoto [Invited]	
12:30		Lunch			12:30		Lunch			12:30		Lunch			12:30		Lunch		
12:45					12:45					12:45					12:45				
13:00					13:00					13:00					13:00				
13:15					13:15					13:15					13:15				
13:30		Poster (Core Time 1)			13:30		Lab Tour			13:30		Poster (Core Time 2)			13:30		Lab Tour		
13:45					13:45					13:45					13:45				
14:00					14:00					14:00					14:00				
14:15			Chair: Y. Enokido		14:15			Chair: E. Palomba		14:15			Chair: S. Wada		14:15			Chair: T. Usui	
14:30	S13-01	Detection and Correction of artifacts in μ -FTIR Analysis: Implications for the Initial Characterization of Benuu Samples	Rei Kanemaru		14:30	S23-01	The Mineralogical and Petrological Features of the Chlorite-rich Fragment in C0076-01 Ryugu Sample	Yuma Enokido		14:30	S33-01	Radiocarbon (14C) astrochemistry of asteroid Ryugu	Thomas Blattmann		14:30	S43-01	Democratizing the Future of Space Science: Introducing the University of Melbourne, University of Tokyo and JAXA [UoM-UTokyo-JAXA] Partnership and Collaborative PhD Program	Brandon Mahan	
14:45	S13-02	Ethanol in Ryugu samples transported using the Facility to Facility Transfer Container (FFTC)	Yukako Matsumoto		14:45	S23-02	Mineralogical composition of pristine Benuu samples and comparison with Ryugu samples with the NIR hyperspectral microscope MicrOmega at the ISAS/JAXA Extraterrestrial Sample Curation Center	Cedric Pilorget		14:45	S33-02	TOF-SIMS analysis of macromolecular organic matter in Benuu samples.	Minako Hashiguchi		14:45	S43-02	LithoSpace: A Dynamic FAIR Data Platform for Extraterrestrial Sample Return Missions	Kasper Chava Tomas	
15:00	S13-03	Optimizing micro-CT to maximize benefit from destructive analyses of extra-terrestrial materials	Jay Black / Brandon Mahan	(Online)	15:00	S23-03	Phyllosilicates heterogeneity in Benuu samples revealed by combined NIR and MIR measurements at the ISAS/JAXA Extraterrestrial Sample Curation Center	Laura Nardelli		15:00	S33-03	Trace element distribution in secondary minerals of a Ryugu particle revealed using LA-ICP-TOF-MS: an advanced screening tool for extraterrestrial materials	Ryoga Maeda		15:00	S43-03	International Exhibits of the Asteroid Ryugu Grains	Elizabeth Tasker	
15:15	S13-04	Analyses of Hypervolatiles in Benuu, Ryugu and various carbonaceous chondrites: Method Developments and Preliminary Data Interpretation	Yongsong Huang		15:15	S23-04	A comparison of spectral features of hydrated phosphorous-rich material within Benuu and Ryugu, with implications for evolutionary history	Rachel Yeaton Sheppard		15:15	S33-04	High precision oxygen 3-isotope analyses of Ryugu dolomite	Noriko Kita		15:15	S43-04	Ryugu Reference Project: Report from the Measurement Definition Team	Tetsuya Yokoyama [Invited]	
15:30	S13-05	Asteroid (101955) Benuu Birth and Rebirth: Collisional Events Tied to the New Polana Family	Fred Jourdan		15:30	S23-05	Variation of Benuu individual samples in NIR-MIR spectroscopy with μ -FTIR in JAXA curation	Kentaro Hatakeda		15:30	S33-05	Oxygen and Al-Mg isotope signatures of refractory inclusions in Ryugu and Benuu	Noriyuki Kawasaki [Invited]		15:30	S43-05	Towards Improved Solar System Abundances	Katharina Lodders	
15:45		Coffee Break			15:45		Coffee Break			15:45		Coffee Break			15:45		Coffee Break		
16:00			Chair: R. Kanemaru		16:00			Chair: M. Abe		16:00			Chair: T. Okada		16:00			Chair: T. Okada	
16:15	S14-01	Formation and evolution of the Ryugu parent asteroid inferred from thermal models based on the geochemical data of Ryugu samples	Wataru Fujiya		16:15	S24-01	Photometric properties of craters and boulders on Ryugu from Hayabusa2/NIRS3 observations	Antonin Wagnier		16:15	S34-01	Curation and initial analysis of Phobos material returned by the MMX mission	Wataru Fujiya [Invited]		16:15	S44-01	Discussion for the Future Curation Activity	Tmohiro Usui / Yuma Enokido	
16:30	S14-02	Hydrothermal alteration of Ryugu via impact heating: Evidence from sulfides in Ryugu A0016	Devin Schrader		16:30	S24-02	Spectroscopic Evidence of Space Weathering and Regolith Dynamics in two Ryugu Particles	Marianna Angrisani		16:30	S34-02	The Next Generation small-body Sample Return mission: progress in the comet sample return concept study	Yuri Shimaki [Invited]		16:30	S44-02	Warup	Tomohiro Usui	
16:45	S14-03	Condensates from Electron Capture Supernovae (ECSN)	Bruce Fegley		16:45	S24-03	Surface and Subsurface Weathering Variations on Ryugu: Results from two Hayabusa2 Particles	Ernesto Palomba		16:45	S34-03	Regolith characterization using penetrometers: Earth and asteroids compared	Axel Hagermann		16:45		Adjourn		
17:00	S14-04	Use of PCA and machine learning to classify ungrouped iron meteorites and predict affinity to CC or NC reservoirs	Florian Dumas		17:00	S24-04	Predicted Discovery of Low ΔV Targets Among the Near-Earth Object Population by the NEO Surveyor Mission	Paul Abell		17:00	S34-04	Science-driven design and constraints of VATMOS-SR: A Fast Mission to Return Samples from Venus Atmosphere	Guillaume Avice		17:00				
17:15	S14-05	New Advances in Machine Learning Data Analyses for Asteroid and Micrometeorite Samples: Correlations Identified in Features of Asteroid Ryugu and Unmelted Micrometeorites	Lewis Pinault		17:15	S24-05	E-type asteroid 1998 KY26 and its possible relation to Nysa	Eri Tatsumi		17:15	S34-05	New Concepts for Fast-Return Sampling and Characterization Missions to Small Solar System Bodies and Moons	Jan Thimo Grundmann	Online	17:15				
17:30	S14-06	The Behaviour of CO2 Ice in Ryugu	Matthew Genge	Online	17:30	S24-06	Near-UV reflectance of primitive asteroids observed by Gaia.	Fernando Tinaut Ruano	Online	17:30		Discussion			17:30				
17:45		Discussion			17:45		Discussion			17:45		Symposium Banquet (At Rembrandt Hotel Tokyo-Machida) (19:00 ~ 21:00)			17:45				
18:00					18:00					18:00					18:00				
18:15					18:15					18:15					18:15				
18:30					18:30					18:30					18:30				
18:45					18:45					18:45					18:45				
19:00					19:00					19:00					19:00				