



	BepiColombo	Commercial Propulsion Needs	Hall Thrusters 1	Hall Thrusters 2
	HS6	SR4	SR6	SR2
15.30	A606 BepiColombo – The Mercury Transfer Module <i>H. Gray</i>	×	A384 Incoherent Thomson scattering investigations of a low-power Hall thruster in standard and magnetically-shielded configurations <i>B. Vincent</i>	A718 Investigation of cross-field electron transport in a 100-W class Hall Thruster using a full particle-in-cell simulation <i>S. Cho</i>
15.45	A494 BepiColombo – MTM and MEPS Integration and Verification <i>K. Kempkens</i>	×	A617 Characterization and performance measurements of 40 W-class and 100 W-class Hall thrusters <i>T. Hallouin</i>	A582 Experimental characterization and modeling of ID-HALL, a double-stage Hall thruster with an inductive ionization stage <i>Á. Martín Ortega</i>
16.00	A586 BepiColombo - Solar Electric Propulsion System Test and Qualification Approach <i>S. Clark</i>	×	A528 Development Efforts on a Laser Thomson Scattering Diagnostic for Electric Propulsion Applications <i>T. Matlock</i>	A447 Performance Evaluation of a 100-W Class Hall Thruster <i>H. Watanabe</i>
16.15	A615 BepiColombo – MEPS commissioning activities and T6 ion thruster performance during early mission operations <i>R. Lewis</i>	×	A598 Experimental Study on the Influence of Magnetic Field on the Performance of Low-power Hall Thrusters <i>X. Yi</i>	A816 Scaling of spoke rotation frequency within an ExB Discharge <i>A. Powis</i>
16.30	×	×	A298 Pole Erosion Measurements for the Development Model of the Magnetically Shielded Miniature Hall Thruster (MaSMi-DM) <i>R. Lobbia</i>	A352 Neutral gas instabilities in Hall thrusters, Part I: Measurements <i>E. Dale</i>
16.45	×	×	×	A432 Driving Low Frequency Oscillations in Hall Thruster <i>Y. Raitses</i>

Ion Thrusters	MPD Thrusters	Innovative / Advanced Propulsion Concepts	Thruster Concepts
HS5	SR3	HS3	HS2
A239 Atmospheric Ramjet Thrust Unit on the Base of High-frequency Ion Thruster <i>V. Kozhevnikov</i>	A542 Applied-Field MPD Thruster with High Current Heater-less Hollow Cathode <i>J. Yamasaki</i>	A552 Interaction of Ultraviolet Light-emitting Diodes and Solid Polymers for Micropropulsion Applications <i>H. Horisawa</i>	A594 Indirect electrothermal acceleration of a cold gas jet through interaction of an arcjet exhaust flow for space propulsion applications <i>Y. Arai</i>
A240 Characteristics of Radio-Frequency Ion Thruster with an Additional Magnetic Field in the Ionization Area <i>V. Kozhevnikov</i>	A872 Development of a 10-30 kW Augmented Field MPD Thruster at SITAEL <i>A. Kitaeva</i>	A605 Hybrid Electric Propulsion System based on Water Electrolysis <i>N. Harmansa</i>	A610 Informing the design of pure-ion electrospray thrusters via simulation of the leaky-dielectric model with charge evaporation <i>X. Gallud Cidoncha</i>
A339 Ring Cusp Ion Thruster IT-200PM <i>A. Lovtsov</i>	A450 Performance of Applied Field MPD Thruster with Various Propellants <i>S. Ide</i>	A621 Advanced Cusp Field Thruster with a 3D-printed discharge channel - Performance with Iodine and Xenon <i>M. Vaupel</i>	A643 Physics and performance of the Alternative Low Power Hybrid Ion Engine (ALPHIE) for space propulsion <i>J. González</i>
A574 Test Campaign on the novel Variable Isp Radio Frequency Mini Ion Engine <i>M. Smirnova</i>	A870 Plasma Plume Characteristics of Cluster Operation of Self-Field Magnetoplasmdynamic Thruster <i>Y. Murayama</i>	A692 13kW Advanced Electric Propulsion Flight System Development and Qualification <i>J. Jackson</i>	A775 Azimuthal Induced Current Formation and Ion Acceleration in an Inductive Radiofrequency Plasma Thruster <i>H. Sekine</i>
A797 Exprimental studies on the effect of the magnetic field and the electrical potential inside the water ion thruster <i>Y. Ataka</i>	A329 Research on the 500kW Class Superconducting Strong Magnetic Field High Power Magnetoplasmdynamic Thruster Technology <i>C. Zhou</i>	A712 The SpaceDrive Project – Progress in the Investigation of the Mach-Effect-Thruster Experiment <i>M. Monette</i>	A829 Two-dimensional Full Particle-In-Cell Simulation of Magnetic Sails in Formation Flight <i>A. Wada</i>
A806 A Nouvelle Neutralization Concept for RIT-μX Miniaturized Radio Frequency Ion Thruster Systems <i>H. Leiter</i>	A801 Business Cases and System Architecture for Superconductor-based Applied Field Magneto Plasma Dynamic Thrusters <i>M. La Rosa Betancourt</i>	A774 Development of a deployable vacuum arc thruster system for the post-mission disposal of micro/nano satellites <i>M. Kim</i>	A903 An experimental revisit of plasma phenomena on Helicon Plasma Thrusters <i>J. Navarro Cavalle</i>