Misiones e Instrumentación (M&E)

M&I1 **Planetary simulation chamber: A platform for planetary exploration and astrobiology applications**
Eva Mateo-Marti

M&I2 **An infrared and DFT study of the role of bentonite phyllosilicate in the survival of glycine and alanine amino acids on the surface of spatial bodies with high UV radiation**
Vicente Timón Salinero

M&I3 **The INTA RLS on-board software for ExoMars 2020: An autonomous control solution to obtain and analyze Raman spectra at Mars surface**
Sergio Ibarmia

M&I4 **The INTA RLS Ground-testing framework: a versatile system to validate the on-board software and support the instrument functional integration**
Jesús Zafra

M&I5 **Assembly, Integration and Verification of the Raman Laser Spectrometer for the ExoMars 2020 mission**
José Antonio Rodriguez Prieto

M&I6 **Particulate, Molecular and Biological Cleanliness of the Raman Laser Spectrometer for the ExoMars 2020 mission**
Rosario Canchal Moreno

M&I7 **Qualification activities at element level of Raman Laser Spectrometer for ExoMars2020 mission**
Paloma I. Gallego Sempere

M&I8 **Raman Laser Spectrometer Optical Head**
Miguel Sanz Palomino

M&I9 **Screening and characterization of the flight laser modules for the ExoMars Raman Laser Spectrometer**
Pablo Rodriguez

M&I10 **RLS scientific operation algorithms for adaptive analysis of the Martian samples on ExoMars**
Guillermo Lopez-Reyes

M&I1 **Instrument Data Analysis Tool (IDAT) for the analysis of RLS data**
Guillermo Lopez-Reyes

M&I12 **RLS Calibration Target design to allow onboard combined science between RLS and MicrOmega instruments on the ExoMars rover**
Guillermo Lopez-Reyes

M&I13 **Operation design of the RLS Instrument, for the ExoMars 2020 mission**
Laura Seoane Purriños

M&I14 **Raman Spectrometer for planetary exploration, ExoMars2020**
Marianela Fernández Rodríguez

Planetas Gigantes (PG)

PG1 **Study of brines at the conditions of Europa crust by Raman spectroscopy**
Oscar Ercilla Herrero

PG2 **Estabilidad de los hidrtos del sulfato de magnesio en la superficie de Europa**
Maite Fernández Sampedro

PG3 **Efecto de la polaridad en los mecanismos de interacción de volátiles-hipervolátiles en superficies heladas del Sistema Solar**
Miguel Ángel Satorre Aznar

PG4 **Glaciers and Ice Sheets as Analog Environments of Potentially Habitable Icy Worlds**
Cristina Cid

PG5 **PlanetCam UPV/EHU: A lucky-imaging instrument in the 0.4-1.7 micron wavelength range for Solar System science. Highlights of 5 years of observations**
Agustín Sánchez Lavega

Planetas Terrestres (PT)

PT1 **Circumstellar dust with metastable eutectic composition as primary material for clay formation in the Noachian terrains of Mars**
Carolina Gil Lozano

PT2 **3D modeling of Ogygis Rupes lobate scarp, Mars**
Andrea Herrero Gil

PT3 **Analysis of drainage networks in the transition Arabia Terra/Noachis Terra: Implications for the hydrologic evolution of Mars**
Cristina Robas García

PT4 **Raman Spectroscopic and UV-Visible Optical Characterization of the Deltic, Squaric and Croconic Cyclic Oxo-carbon Acids**
Francisco Colmenero

PT5 **Venus Nightside Atmosphere Mapped in the Infrared Atmospheric Windows and Thermal Emission as seen by VIRTIS on Venus Express**
Alejandro Cardesin-Moinelo

Investigación Amateur (IA)

IA1 **SVO-ast: A citizen-science project to identify NEAs and Mars crossers using the Virtual Observatory**
Enrique Solano Marquez