

**7th Metis Workshop Program
(11-13 Novembre 2019)**

Monday 11 (Archivio Antico Palazzo del Bo)	14:00 – 16:10	Plenary Session	<p>Welcome</p> <p>Prof. Flavio Seno (Director, Dept. Physics and Astronomy)</p> <p>Dr. Luca Poletto (Director, CNR-IFN)</p> <p>Prof. Stefano Debei (Director, CISAS)</p> <p>M. Romoli (UniFi) - Space coronagraphs</p> <p>S. Fineschi (INAF-OATO) - Metis science performance</p> <p>D. Banerjee (IIA) - Aditya L1: India's first dedicated solar space mission (remote connection)</p> <p>H. Li (PMO) - ASO-S sciences and the possible synergies with Metis coronagraph and Solar Orbiter</p>	<p>15 min</p> <p>20 min</p> <p>30 min</p> <p>25 min</p> <p>25 min</p>
	16:10 – 16:30	Coffee break		
	16:30 – 18:30	Plenary Session	<p>C. de Forest (SWRI) - PUNCH (remote connection)</p> <p>S. Fineschi (INAF-OATO) – Proba3, UVSC and CODEX</p> <p>G. Valori (MSSL) - Comparing coronal models for the PSP-P1 passage</p> <p>Discussion</p>	<p>20 min</p> <p>30 min</p> <p>20 min</p> <p>20 min</p>
Tuesday 12 (CUP)	09:00 – 10:40	Coordinated Heliophysics Science	<p>C. Garcia (ESA) - Solar Orbiter Project Status</p> <p>S. Solanki (MPS) - SO/PHI data products of possible interest to Metis</p> <p>A. Giunta (RAL) - Outflow velocity and composition maps with SPICE: synergy with the other instruments on Solar Orbiter</p> <p>V. Andretta (INAF-OAC), Parenti (IAS) - Synergies between EU1 and Metis.</p> <p>P. Massa (UniGe) – The STIX Image Reconstruction Concept</p>	<p>20 min</p> <p>20 min</p> <p>20 min</p> <p>20 min</p> <p>20 min</p>
	10:50 – 11:10	Coffee break (posters)		
	11:10 – 13:00	Coordinated Heliophysics Science	<p>C. Grimani (UniUrb) - Time dependence, radial and latitudinal gradients of the galactic cosmic-ray flux in the inner heliosphere for Solar Orbiter</p> <p>G. Cauzzi (NSO) - The Daniel K. Inouye Solar Telescope: Coronal Capabilities and Opportunities for Joint Science with METIS</p> <p>J. Burkepile (HAO) - Ground-based Coronal Observations that Complement and Enhance Metis and Solar Orbiter Science</p> <p>C. Sasso (INAF-OAC) – MADAWG</p> <p>P. Pagano (U.St.Andrews) - MHD Simulations for Metis and Non-equilibrium ionisation effects in CME</p>	<p>20 min</p> <p>20 min</p> <p>20 min</p> <p>20 min</p> <p>20 min</p>
	13:00 – 14:00	Lunch		
	14:00 – 15:50	Science new ideas	<p>K. Tsinganos (Univ. Athens) – On recurrent CME-like eruptions</p> <p>G. Zimbardo (UniCal) - Study of shocks in the solar corona with Metis</p> <p>F. Frassati (INAF – OATo) - Analysis of the shock formation due to CME–streamer interaction in the inner corona.</p> <p>D. Del Moro (UniRM2) - Refining the Drag Parameter for Coronal Mass Ejection propagation models</p> <p>W. Mishra (MPS) - Modeling the Thermodynamic Evolution of Coronal Mass Ejections</p> <p>Y. Rivera (U. Michigan) - A comprehensive study to determine spectral lines for CME diagnostics with current and future observatories</p> <p>B. Ying (PMO) - Study of a Coronal Mass Ejection with UV and VL coronagraphs: the need for multi-wavelength observations</p>	<p>15 min</p> <p>15 min</p> <p>15 min</p> <p>15 min</p> <p>15 min</p> <p>15 min</p> <p>15 min</p>
	16:00 – 16:30	Coffee break (posters)		

	16:30 – 18:30	Science new ideas	<p>A. Verdini (UniFI) – Acceleration of the solar wind 20 min</p> <p>S. Landi (UniFi) - Interpreting spacecraft Observations with high resolution fluid and kinetic simulations in Arcetri 15 min</p> <p>P. Lamy (LATMOS) - Electron density distributions in 1D, 2D, and 3D from inversion of coronal white-light images 15 min</p> <p>S. Giordano (INAF-OATo) - H I Ly-alpha UVCS Observations through a full solar cycle 15 min</p> <p>S. Guglielmino (UniCt) - Magnetic flux emergence through the solar atmosphere 15 min</p> <p>E. Papini (UniFi) - Characterizing fast magnetic reconnection in the solar corona with Hall-MHD and Hybrid-PIC simulations 15 min</p> <p>F. Reale (UniPa) - Impulsive heating in the solar corona: large scale magnetic rearrangements 15 min</p> <p>P. Romano (INAF-OAct) - Flux rope formation and evolution 15 min</p> <p>Discussion</p>	
	20:00	Social Dinner		
Wednesday 13 (CUP)	09:00 – 10:40	Science new ideas	<p>D. Spadaro (INAF-OAct) – Introduction to Metis science 20 min</p> <p>P. Heinzel (CAS) - Synergies between Metis and Proba3 20 min</p> <p>Open discussion (D. Spadaro, M. Romoli)</p>	
	10:40 – 11:00	Coffee break		
	11:00 – 13:00	Plenary Session	<p>L. Sanchez (ESA) – Solar Orbiter science operations 25 min</p> <p>G. Nicolini - R. Susino (INAF-OATo) - In-flight calibration and data product (level 3) 25 min</p> <p>Open discussion and summary (M. Romoli)</p>	
	13:00	End of the Workshop		