

First Metis-ASPIICS coordinated observations

Friday, February 13, 2026 10:00 AM (20 minutes)

The Earth-orbiting ASPIICS/Proba-3 and the Sun-orbiting Metis/Solar Orbiter provide a changing, multi-point view of the solar corona, depending on the relative Earth-to-Solar Orbiter positions on- and out-of-the-ecliptic plane. The first Metis-ASPIICS coordinated observations took place in 2025, during the Solar Orbiter superior conjunction in August, its quadrature in September and inferior conjunctions in October.

This presentation will illustrate the results of these first Metis-ASPIICS joint campaigns also in conjunction also with the LASCO coronagraphs onboard the ESA SOHO mission in L1. This will offer the opportunity to present and discuss suggestions and requirements for proposed future missions (e.g., Solaris, DarkSun, ESA Vigil-L5, KASA-L4).

Author: Dr FINESCHI, Silvano (Istituto Nazionale di Astrofisica (INAF))

Co-authors: ZHUKOV, Andrei; AMATO, Emanuele (Istituto Nazionale di Astrofisica (INAF)); DOLLA, Laurent (Royal Observatory of Belgium); ZANGRILLI, Luca (Istituto Nazionale di Astrofisica (INAF)); ABBO, Lucia (Istituto Nazionale di Astrofisica (INAF)); Prof. ROMOLI, Marco (Università di Firenze); CHIARTANO, Riccardo (Istituto Nazionale di Astrofisica (INAF)); SUSINO, Roberto (Istituto Nazionale di Astrofisica (INAF)); SHESTOV, Sergei (Royal Observatory of Belgium); GIORDANO, Silvio Matteo (Istituto Nazionale di Astrofisica (INAF))

Presenter: Dr FINESCHI, Silvano (Istituto Nazionale di Astrofisica (INAF))

Session Classification: Contributions