

SunCubE OnE (SEE): A Multi-wavelength Synoptic Solar Micro Satellite

Sun CubE OnE (SEE) is a micro satellite for multispectral synoptic observation of the Sun. SEE mission is in the shortlist of the “Future missions for Cubesat” call of ASI. SEE is a sentinel to monitor space weather events in a wide range of energies. SEE wants to unveil solar-terrestrial relations in the UV linking for the first time spectral solar irradiance in the Mg II doublet with chromospheric structures in full disk images. SEE wants to unveil the fundamental physics at the base of particle acceleration in solar flare events exploring for the first time. X-ray emission at very high cadence (up to 10kHz). SEE could provide complementary information to current (Solar Orbiter, Parker Solar Probe, IRIS, MAXI, GOES, SDO, HINODE) and future (VIGIL, PROBA-3, SOLAR-C) missions.

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