

PhotSat: The first IEEC astrophysics cubesat

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PhotSat is the first astrophysics observatory being prepared by the catalan institute of space studies (IEEC) to be allocated in a cubesat mission. The mission aims to survey the full sky during 2-3 years, obtaining photometric lightcurves for $V < 12-15$ mag in several photometric filters, covering the optical and the ultraviolet range. This will provide information of the transient sky at the bright end, that other projects are not able to provide. The preparation of this mission will also be the first step to create a collaborative network needed among the different catalan universities and institutes to be able to plan future missions of this kind.

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