

Lorenzo Amati: The synergy of ASTRI and CTA with next generation space missions for GRBs and high-energy transients

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The strong synergy with the very large facilities that are being built in the electro-magnetic (e.g., CTA, ELT, SKA, Athena) and multi-messenger domains (2G+ and 3G GW detectors, as well as further advanced neutrino detectors) is a key asset of the next generation space missions dedicated to the detection, accurate localization and multi-wavelength characterization of GRBs and high-energy transients. I will focus in particular on those mission projects, like THESEUS, HERMES, Gamow Explorer, eXTP, in which INAF - OAS Bologna plays a key role on both scientific and technological aspects, showing our their measurements will allow ASTRI and the CTA observatories to fulfill some of their main objectives, thus enhancing substantially their scientific return.

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