

Spectrometer Telescope for Imaging X-rays (STIX)

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The Solar Orbiter Mission has been confirmed within ESA's M-class Cosmic Vision plan. Launch date is January 2017 into an orbit that reaches nearly one quarter AU in the perihelion. STIX is one of the 10 instruments selected for close cooperation. STIX applies a Fourier-imaging technique using shading tungsten grids. A total of 32 pixelized CdTe detectors will permit high resolution imaging spectroscopy. The design has passed ESA's Preliminary Design Review and will be finalized by the end of 2012. The instrument specification will be presented and its scientific potential discussed.