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## L'impatto di SOXS sulla astronomia dei transienti

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SOXS (Son Of X-Shooter) is the new ESO instrument of the 3.58-m New Technology Telescope at the La Silla Observatory. It is a single-object spectrograph offering a wide simultaneous spectral coverage from U- to H-band (350-2000 nm). The instrument is going to become one of the main follow-up instruments in the Southern hemisphere for the classification and characterization of transients, e.g. providing the spectroscopic counterparts to the ongoing and upcoming imaging surveys. The NTT+SOXS system is specialized to observe all transients and variable sources discovered by imaging surveys, as well as from space missions. This will be made possible by a flexible remote scheduler, maintained by the consortium, which will interface with the ESO observatory software infrastructure. SOXS is realized timely to be highly synergic with transient discovery machines like the Vera C. Rubin Observatory. In early 2025, the instrument has been integrated and tested in Chile, where the commissioning is currently ongoing.

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**Session Classification:** La time domain astronomy: verso la prima luce di Rubin LSST e di SOXS (chair: M.G. Lattanzi)