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## The SVOM Mission and Perspectives for Multi-messenger Astronomy

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The recently launched SVOM (Space-based multi-band astronomical Variable Objects Monitor) mission is a French-Chinese collaboration dedicated to the study of high energy transients, particularly gamma-ray bursts (GRBs). Boasting sensitivity from gamma-ray to optical wavelengths, SVOM will have the ability to promptly localize GRBs to arcminute precision and provide rapid optical follow-up from both space and ground components. Science operations will begin in a few months, providing the exciting opportunity to make joint observations with the gravitational-wave (GW) detectors LIGO, Virgo, and KAGRA in their fourth observing run (O4). During O4, SVOM will utilize all its instruments to perform multi-wavelength follow-up of neutron star mergers in order to detect and characterise their electromagnetic counterparts. In this talk, we will present an overview of the SVOM mission and its current strategies to search for prompt GRB, afterglow, and kilonova signals from GWs.

**Primary author:** HAMBURG, Rachel (CNRS/IJCLab)

**Presenter:** HAMBURG, Rachel (CNRS/IJCLab)

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