

Future Multimessenger Detections with SVOM

SVOM is a joint French-Chinese mission dedicated to the study of gamma-ray bursts (GRBs) and high-energy transients. SVOM boasts a suite of space-based instruments spanning from hard X-rays to visible light that will be complemented by a ground segment of optical telescopes. With an expected launch in early 2024, SVOM will also contribute to multimessenger observations of gravitational waves (GWs) detected by LIGO/Virgo/KAGRA in the second half of the O4 observing run. Here, we present the observational strategy for SVOM follow-up of GWs with the Microchannel X-ray Telescope (MXT) and the Visible Telescope (VT). We also present the development of a ground-based subthreshold search of SVOM ECLAIRs data.

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