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# Search for electromagnetic counterparts of LIGO-Virgo-KAGRA gravitational wave events

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## Abstract

We consider the strategy and tactics of searching for and optically observing gravitational wave events LIGO-Virgo-KAGRA (LVK) in joint observations of ground-based telescopes of the BRICS countries. In particular, we consider the pipelines for observation planning after LVK triggers, data reduction obtained in multi-wavelength observations and searching for optical transients. We discuss examples of searching of GRB IKI Follow-up Network for and detecting electromagnetic transients after gravitational wave events GW 170817 and GW 190425, the mergers of binary neutron stars.