

Abstract Submitted  
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**Selecting Gravitational Wave Candidates for Electromagnetic Follow-up: Advanced LIGO/Virgo's Decision Making Process<sup>1</sup>** MIN-A CHO, Univ of Maryland-College Park, LIGO SCIENTIFIC COLLABORATION, VIRGO COLLABORATION — Some of the most violent events in the universe are bright in both their gravitational wave (GW) emission *and* electromagnetic (EM). This means that prospects for multi-messenger astronomy increase as more and more detectors join the search for gravitational waves. Here I present the protocol created by members of Advanced LIGO/Virgo's EM Follow-up Program which ultimately results in alerting its astronomy partners or not. I discuss the series of checks and questions performed by humans (follow-up advocates and control room personnel) and automated online software (Approval Processor). This talk will follow the fate of the gravitational wave candidate event after it first enters Advanced LIGO/Virgo's online candidate event database.

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