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Gravitational Wave Multimessenger Astrophysics¹

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As the breadth and depth of gravitational wave detection capabilities grows, so do the opportunities for multimessenger observations. This talk will survey the near- and medium-term future for ground- and space-based gravitational wave observatories, the astrophysical sources with the potential to also be observed electromagnetically, and the promise of how joint observations will answer long-standing questions in astrophysics, cosmology, and fundamental physics.

¹On behalf of the LIGO Scientific Collaboration and the LISA Consortium