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Searches for gravitational waves from the inspiral of binary neutron stars and black holes

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We report on searches for gravitational waves from the coalescence of compact binaries in data from the LIGO detectors. These searches target signals from inspiralling binary systems with total masses less than $35M_{\odot}$ and for inspiral waves associated with short hard gamma ray bursts. We will also give an overview of ongoing searches being performed by the LIGO Scientific and Virgo collaborations.

¹For the LIGO Scientific Collaboration and the Virgo Collaboration.