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Results of the GstLAL Search for Compact Binary Mergers in Advanced LIGO's First Observing Run RYAN LANG, Hillsdale College, THE LIGO SCIENTIFIC COLLABORATION AND THE VIRGO COLLABORATION — Advanced LIGO's first observing period ended in January 2016. We discuss the GstLAL matched-filter search over this data set for gravitational waves from compact binary objects with total mass up to 100 solar masses. In particular, we discuss the recovery of the unambiguous gravitational wave signals GW150914 and GW151226, as well as the possible third signal LVT151012. Additionally, we discuss the constraints we can place on binary-neutron-star and neutron-star-black-hole system merger rates.

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