

Abstract for an Invited Paper
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Searching for gravitational waves with LIGO

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The LIGO gravitational wave observatories are now taking data, having reached their design sensitivity. The LIGO scientific Collaboration is actively searching the data for signals from rotating stars, from stochastic backgrounds, from binary neutron star and black hole systems, and from transient sources like supernovas and collisions of black holes. We will show the sensitivity achieved by the detectors and present the latest results in the search for gravitational waves. We will also describe the worldwide effort for present and future detectors.

¹for the LIGO Scientific Collaboration