

APR06-2006-000915

Abstract for an Invited Paper
for the APR06 Meeting of
the American Physical Society

Results from LIGO observations I

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The Laser Interferometer Gravitational-wave Observatory (LIGO) detectors have reached their design sensitivity, and searches for gravitational waves are ongoing. Gravitational waves from isolated neutron stars and from the inspiral/merger of compact binary systems carry significant information about the bulk properties of black holes and neutron stars. We discuss current attempts to detect gravitational waves from these sources and comment on future prospects for these searches.

¹for the LIGO Scientific Collaboration