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**Searching for the stochastic gravitational-wave background in Advanced LIGO's first observing run** S. GWYNNE CROWDER, University of Minnesota, LIGO COLLABORATION — Over the course of the next several years, Advanced LIGO and Advanced Virgo expect to achieve unparalleled sensitivity to gravitational waves. The advanced detector era has recently commenced with LIGO's first observing run. A potential source of gravitational waves is the stochastic gravitational-wave background, a background predicted from the superposition of sources such as compact binary coalescences, supernovae, and inflation. In this talk, we discuss the search for the stochastic background in the initial observing run.

Sarah Crowder  
University of Minnesota

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