

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Sorting Category: C2. (E)

Search for Stochastic Background of Gravitational Waves with LIGO VUK MANDIC, University of Minnesota, LIGO SCIENTIFIC COLLABORATION — Laser Interferometer Gravitational-wave Observatory (LIGO) has built three multi-km interferometers, designed to detect gravitational waves. One of the possible sources targeted by LIGO is the stochastic background of gravitational waves, whose origin could be cosmological or astrophysical. LIGO has recently completed a year-long science run S5, with all three interferometers at their design sensitivities. We describe the most recent results of the search for the stochastic background of gravitational waves, based on the data from the S5 run.

- Prefer Oral Session
 Prefer Poster Session

Date submitted: 13 Jan 2008

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