

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Sorting Category: C2. (E)

Data quality and vetoes in searches for compact binary coalescences and bursts in LIGO's fifth science run¹ JACOB SLUTSKY, Louisiana State University, LIGO SCIENTIFIC COLLABORATION — Searches for gravitational waves from compact binary coalescences (CBCs), as well as for unmodeled sources (Bursts), are hindered by the presence of transient detector noise, which can produce false alarms. Using auxiliary channels and the gravitational wave channel itself, the LIGO Scientific Collaboration has identified a variety of instrumental and environmental artifacts that lead to false signals. We find time intervals affected by these artifacts, and use them as vetoes for CBC and Burst searches in LIGO's fifth science run.

¹Jacob Slutsky for the LSC

Prefer Oral Session
 Prefer Poster Session

Jacob Slutsky
jslutsky@phys.lsu.edu
Louisiana State University

Date submitted: 17 Jan 2008

Electronic form version 1.4