

Abstract Submitted
for the APR20 Meeting of
The American Physical Society

Update on the GRB-Triggered Search for Gravitational Waves in Advanced LIGO's Third Observing Run¹ RYAN FISHER, Christopher Newport University, LIGO COLLABORATION — The combined observation of GRB170817A and GW170817 marked the first multimessenger success of gravitational wave astronomy. Although no further coincident observations were found in the second observing run of Advanced LIGO, we are continuing this search in the third observing run, which is planned to conclude on April 30, 2020. This talk will present the current status of the effort to conduct template-based searches for gravitational waves in Advanced LIGO data, triggered by GRBs disseminated by the Gamma-ray Coordinates Network (GCN). This talk will discuss both the high-latency, full analysis and efforts to bring a lightweight, rapid-followup analysis into production.

¹National Science Foundation (NSF)

Ryan Fisher
Christopher Newport University

Date submitted: 09 Jan 2020

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