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**Searching for Gravitational-Wave Bursts Associated with Gamma-Ray Bursts during the LIGO S5 Run** ISABEL LEONOR, University of Oregon, LIGO SCIENTIFIC COLLABORATION — We present the status of a search for short-duration gravitational-wave bursts (GWBs) associated with gamma-ray bursts (GRBs) detected by gamma-ray satellite experiments during LIGO's ongoing S5 science run. There is now a sample of more than 100 GRB triggers, most of which were observed by the Swift satellite, that is available for this GRB-GWB search. The search involves calculating the crosscorrelation between two LIGO interferometer data streams surrounding the GRB trigger time. We search for associated gravitational radiation from single GRBs, and also apply statistical tests to search for a gravitational-wave signature associated with the collective sample.

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