

Abstract Submitted
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A novel signal consistency check for gravitational waves RYAN
MAGEE, LIGO Laboratory, Caltech — Gravitational wave detection pipelines have
successfully identified dozens of candidate GWs originating from the merger of bi-
nary black holes, binary neutron stars, and neutron star black hole binaries. Despite
the success of these pipelines, noise transients or glitches can occasionally mimic
characteristics of astrophysical signals. We describe a new signal consistency check
in the GstLAL-based matched filter pipeline that measures the response of the entire
template bank to each GW candidate.

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