

# LIGO-Virgo Searches for Gravitational Waves from Scorpius X-1

John T. Whelan

on behalf of the LIGO Scientific Collaboration and the Virgo Collaboration

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The low-mass X-ray binary Scorpius X-1 is a promising source of continuous gravitational waves. Its high X-ray luminosity indicates a large rate of accretion, which may power GW emission. A variety of methods have been developed and applied to search for a GW signal, which presents challenges because of the unknown signal frequency and residual uncertainties in orbital parameters. I will summarize the search results from Advanced LIGO and Advanced Virgo's first two Observing Runs (O1 and O2), and describe prospects for searches in the O3 run.