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## Understanding nature's densest objects and the cosmos with gravity's messenger

*Wednesday 25 January 2023 10:15 (45 minutes)*

I will summarize the LIGO-Virgo observations to date and aspects of the progress made in characterizing neutron stars and probing the demography of stellar-mass black holes in binary systems.

How these detections are being employed, sometimes in association with electromagnetic observations, to understand gravity and the cosmos will also be discussed.

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