

## **Searches for Gravitational Waves by LIGO and Virgo: Recent Results and Future Plans**

*Monday 18 February 2019 10:20 (45 minutes)*

The first discoveries by LIGO and Virgo have established gravitational wave detectors as a powerful new tool for probing the highest energy astrophysical events in the universe. In this talk, I'll give an overview of the detectors and present the most recent results on the searches for binary black hole/binary neutron star mergers as well as searches for other classes of gravitational wave events. In addition, I'll give a preview of plans for the emerging global network of detectors in the next decade and beyond.

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**Session Classification:** Plenary 1