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## Status of the Advanced LIGO and Advanced Virgo Detectors

*Friday, 7 July 2017 15:30 (15 minutes)*

This talk will present the status of the Advanced LIGO and Advanced Virgo detectors, a year after the first detections of gravitational waves emitted by two binary black hole coalescences. After a 10-month break due to upgrades, maintenance and commissioning, the Advanced LIGO detectors started their second 'Observation Run' (O2) on November 30th 2016. This data taking period is expected to last until about mid-2017, before another long shutdown to further improve the sensitivity of the instruments. In the meantime, the Advanced Virgo commissioning started mid-2016 and substantial progress have been made since then towards controlling the detector in its nominal configuration. The goal of the Virgo collaboration is to join the Advanced LIGO detectors for a common data taking period before O2 ends.

### Experimental Collaboration

Virgo experiment and LIGO-Virgo collaboration

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