

# The detection of binary black holes in Advanced LIGO's first scientific run

*Thursday, September 15, 2016 4:30 PM (20 minutes)*

Advanced LIGO's first scientific run, between September 2015 and January 2016, will be historically remembered for the first direct detection of gravitational waves from an astrophysical source. This run also provided the first direct evidence for the existence of stellar-mass black hole binaries. In this talk, we will present details of the detected sources, their astrophysical interpretation, and look at predictions for what can be expected in the next science run, later this year.

## Summary

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**Session Classification:** Cosmology & Gravitational Waves

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