

# PHYSICS AND ASTRONOMY COLLOQUIUM

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Observation of gravitational waves from a binary  
black hole merger

Last September, just before the 100th anniversary of the publication of Einstein's general theory of relativity, LIGO detected gravitational waves for the first time. The source was a binary black hole merger, it happened sooner than expected, the holes were more massive than expected, and the waveforms looked just like expected. We'll go over each of these statements in more detail, and mention some of our future hopes for neutron stars too.



**MONDAY, MAY 02, 2016 | 4:00 PM | HAWKING AUDITORIUM**



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