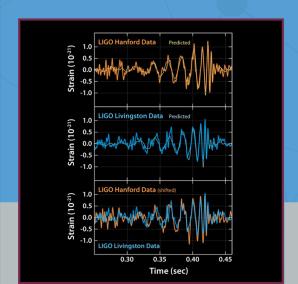
PHYSICS and ASTRONOMY



Observation of Gravitational Waves From a Binary Black Hole Merger



Abstract: On September 14, 2015 at 09:50:45 UTC the two detectors of the Laser Interferometer Gravitational-Wave Observatory simultaneously observed a transient gravitational-wave signal. The signal sweeps upwards in frequency from 35 to 250 Hz and matches the waveform predicted by general relativity for the inspiral and merger of a pair of black holes and the ringdown of the resulting single black hole. I will discuss the LIGO detectors, the implications of this observation, and prospects for the new field of gravitational-wave astronomy.



March 3, 2016

3:30PM: Light Refreshments Th

4:00PM: Colloquium

5:00PM: Reception

The "H-Bar"

(Chapman 3rd floor hallway)

215 Phillips Hall

277 Phillips Hall

