

Update on the Search for Gravitational Waves Viewing Party

WHEN: Thursday, Feb. 11, 2016

TIME: 10:30 AM US EST

Where: Room 407 Jadwin Hall, PCTS Seminar Room

LIVE WEBCAST: <https://www.webcaster4.com/Webcast/Page/219/13384>

Scientists to provide update on the search for gravitational waves

100 years after Einstein predicted the existence of gravitational waves, the National Science Foundation gathers scientists from Caltech, MIT and the LIGO Scientific Collaboration to update the scientific community on efforts to detect them.

This Thursday at 10:30 a.m. at the National Press Club, there will be a status report on the effort to detect gravitational waves - or ripples in the fabric of spacetime - using the Laser Interferometer Gravitational-wave Observatory (LIGO). We will livestream the report in Room 407 Jadwin Hall.

This year marks the 100th anniversary of the first publication of Albert Einstein's prediction of the existence of gravitational waves. With interest in this topic piqued by the centennial, the group will discuss their ongoing efforts to observe gravitational waves.

LIGO, a system of two identical detectors carefully constructed to detect incredibly tiny vibrations from passing gravitational waves, was conceived and built by MIT and Caltech researchers, funded by the National Science Foundation, with significant contributions from other U.S. and international partners. The twin detectors are located in Livingston, Louisiana, and Hanford, Washington. Research and analysis of data from the detectors is carried out by a global group of scientists, including the LSC, which includes the GEO600 Collaboration, and the VIRGO Collaboration.

For additional background about the project, you may be interested in these websites:

- **LIGO Lab:** <https://ligo.caltech.edu/> (**Observatories:** [Livingston](#) | [Hanford](#))
- **Advanced LIGO:** <https://www.advancedligo.mit.edu/>
- **LIGO Scientific Collaboration:** <http://www.ligo.org/>
- **LIGO Partner Experiments and Collaborations:** <http://www.ligo.org/partners.php>