

GRAVITATIONAL WAVES: EXTREME ASTROPHYSICS BY THE ATTOMETER

DAVID REITZE

LIGO Laboratory, California
Institute of Technology,
USA

The first direct detections of gravitational waves emitted by pairs of colliding black holes were made possible by a decades long campaign to design, build, and operate LIGO. This talk will present an overview of gravitational-wave astrophysics, describe the LIGO detectors, and provide some insights into the astrophysical implications of the detections. Finally, I'll present plans for building even more sensitive gravitational wave detectors in the next decade.

FRIDAY,
15.12.2017

2:00 PM

CFEL
SEMINAR ROOMS I-III



Photo Credit: Andy Bohn, Will Thorne and Francois Hebert, Caltech/Cornell SXS Collaboration