

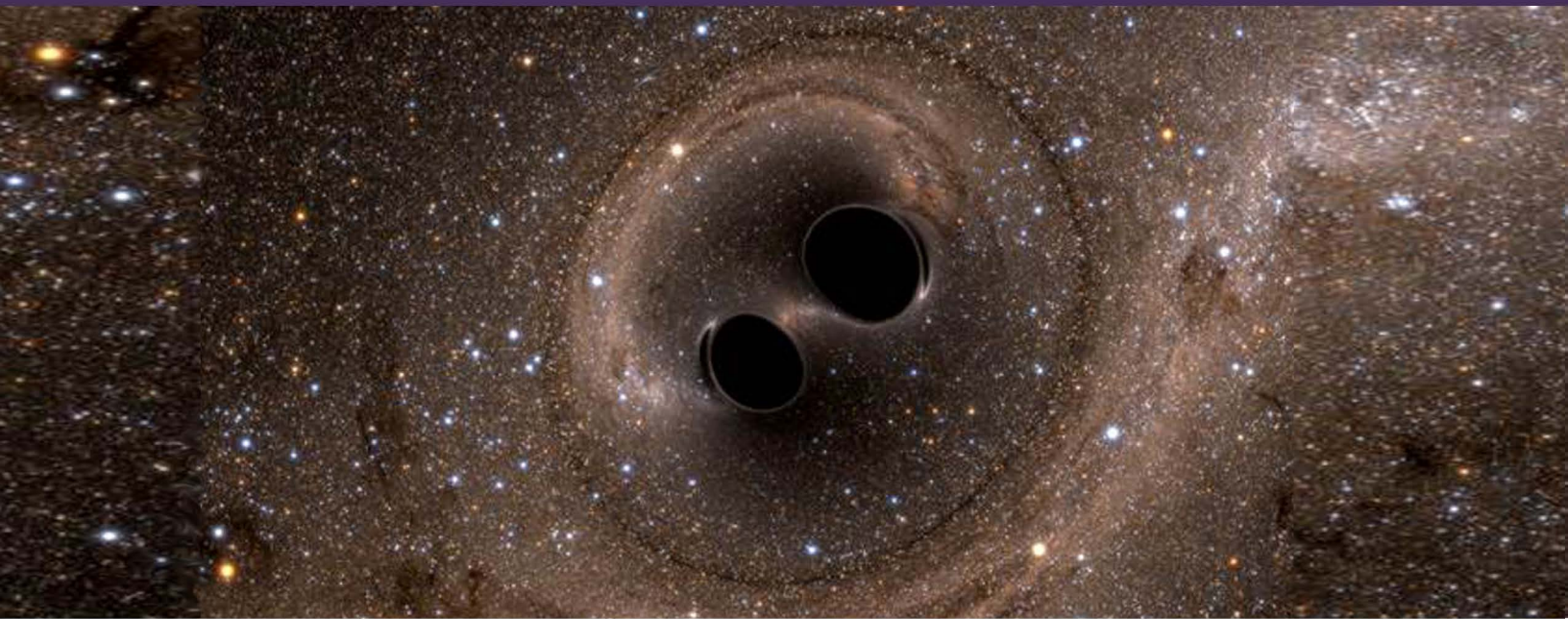
Northwestern



SCIENCE
CAFE

Whispers from the Cosmos: The Dawn of Gravitational Wave Astronomy

with Shane L. Larson, Research Associate Professor, Physics
Weinberg College of Arts and Sciences, Northwestern University, CIERA and Adler Planetarium



Wednesday
March 23, 2016
6:30 - 8:00pm

Virtually everything we know about the Universe has been discovered from the study of photons --- light in all its myriad forms from radio waves, to visible light, to x-rays and beyond. At the dawn of the 21st century, advanced technology is providing access to the Cosmos through detection of ripples in the fabric of spacetime itself.

The Firehouse Grill
750 Chicago Avenue
Evanston

These ripples in spacetime, called gravitational waves, carry information not in the form of light or particles, but in the form of gravity itself. LIGO has made the first detection of gravitational waves: they were the messenger which carried the story to Earth of two black holes colliding 1.3 billion light-years away.

Ticket (free) must be reserved:
<http://sciencecafecosmos.eventbrite.com>

This talk will explore the modern description of gravity, what gravitational waves are and how we hope to measure them, and what we hope to learn from their detection. Gravity has a story to tell, and in this talk, we'll explore some of discoveries we hope to make by listening.

Science Cafe: Eat. Drink. Talk research in a relaxed atmosphere.

We are committed to promoting engagement with scientific topics and making it accessible to all.