ABSTRACTS:

GRAVITATIONAL WAVES: A NEW WINDOW TO THE UNIVERSE

Recent announcements of the first ever detections of gravitational waves from colliding black holes and neutron stars have launched a new era of gravitational wave astrophysics. I will describe the science, technology, and human story behind these discoveries that provide a completely new window into some of the most violent and warped events in the Universe.

GRAVITATIONAL WAVE DETECTORS: PAST, PRESENT AND FUTURE

The Laser Interferometer Gravitational-wave Observatory (LIGO) detected gravitational waves for the first time in 2015, and has continued to make discoveries. I will discuss the instruments that made these discoveries, the science so far, and plans for future improvements and upgrades to LIGO.

The William I. Fine Theoretical Physics Institute at the University of Minnesota is proud to host the Mise Lecture Series.

Mr. Fine’s bold vision and exceptional gift to the University, inspired by his genuine interest in physics, were instrumental in the establishment of the Institute and its successful development over the past three decades.


The William I. Fine Theoretical Physics Institute
University of Minnesota
http://www.ftpi.umn.edu/misel/

FREE PUBLIC LECTURE

GRAVITATIONAL WAVES: A NEW WINDOW TO THE UNIVERSE

Wednesday, October 3, 2018 @ 7:00 p.m.
Memorial Hall, McNamara Alumni Center

PHYSICS & ASTRONOMY COLLOQUIUM

GRAVITATIONAL WAVE DETECTORS: PAST, PRESENT AND FUTURE

Thursday, October 4, 2018 @ 3:35 pm
Room B50, John T. Tate Hall

Speaker:
NERGIS MAVALVALA
Massachusetts Institute of Technology

http://www.mac-events.org/directions/index.html