

GRAVITATIONAL WAVES DETECTED

Detection of gravitational waves is an historic moment. It confirms one of the major predictions by Albert Einstein made almost a century ago about the existence of ripples in the fabric of space-time, called gravitational waves. The discovery opens up new frontiers to unravel some of the greatest mysteries of the universe.

Research institutes under the Department of Atomic Energy, along with Department of Science and Technology, the Inter-University Centre for Astronomy and Astrophysics (IUCAA) and several Indian Universities, have been pursuing research for detection of gravitational waves using the Laser Interferometer Gravitational-wave Observatory (LIGO) through the LIGO Scientific Collaboration under the umbrella of the Indian Initiative in Gravitational Wave Observations (IndIGO). It is a proud moment for the scientific community the world over and for our scientists who have closely associated with this major breakthrough. India hopes to move forward to make even bigger contributions with an advanced gravitational wave detector in the country.

It is hoped that this landmark event will motivate our students and young scientists to explore newer frontiers of knowledge, and will add further impetus to scientific research in the country.