

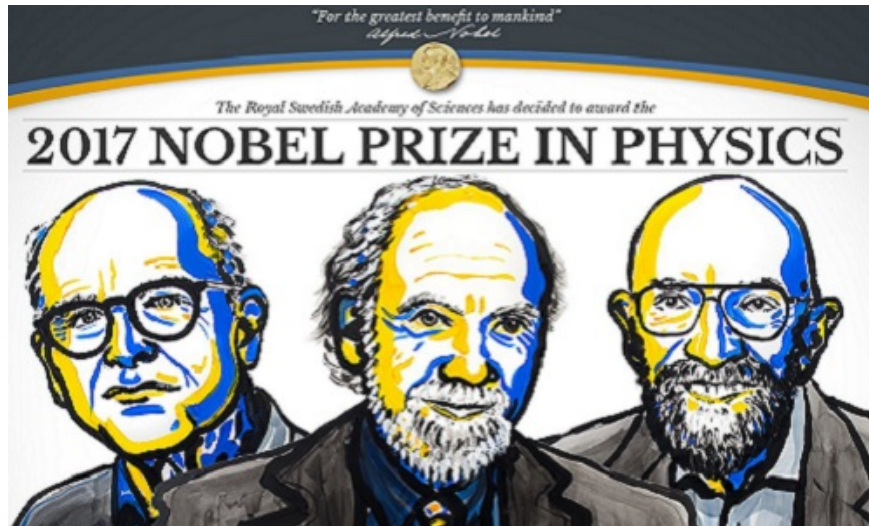
The 2017 Nobel Prize for Physics was awarded to research on gravitational waves

The 2017 Nobel Prize for Physics was awarded to three scientists Rainer Weiss, Barry C. Barish and Kip S. Thorne for their discovery of gravitational waves, ripples in the space field - the time that Albert Einstein first predicted First a century ago.

The 2017 Nobel Prize for Physics was awarded to three scientists Rainer Weiss, Barry C. Barish and Kip S. Thorne for their discovery of gravitational waves, ripples in the space field - the time that Albert Einstein first predicted First a century ago.

1. The 2017 Nobel Prize for Medicine is awarded to 3 scientists
2. Things not everyone knows about the prestigious Nobel prize
3. 9 most famous Nobel prizes in history, contributing to change the world

The gravitational wave observed for the first time in September 2015, thanks to the laser interferometer (LIGO) - the system can detect microscopic vibrations from the propagating gravitational waves.



Three scientists Rainer Weiss, Barry C. Barish and Kip S. Thorne.

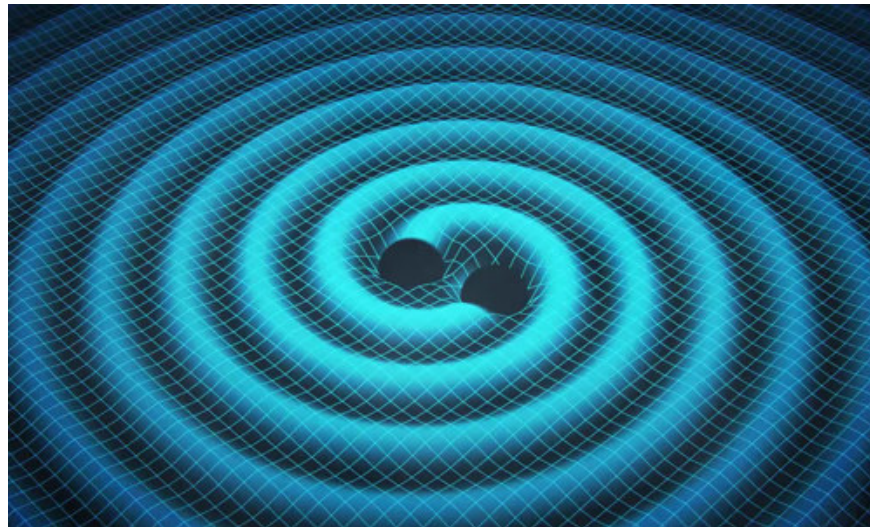
Weiss, an honorary physics professor at the Massachusetts Institute of Technology, contributed a large part to the conceptualization, design, fundraising and construction of LIGO.

Professor Kip Thorne, a theorist at the California Institute of Technology, has made important predictions about gravitational wave shape, how to identify signals among collected data.

Barry Barish, a particle physicist, has made a great contribution to making the experiment a reality, accelerating the process of building LIGO in 1999.

Gravitational wave discovery is the result of a collaboration between experimental scientists who make one of the planet's most sensitive machines and theorists predict the signal from two black holes. What real collision looks like.

After a century of speculation and 25 years of developing a series of devices, it is possible to recognize distortion of only 1/1000 the diameter of an atomic nucleus along the 4 km length of a laser. In 2016, the discovery of gravitational waves, marking an important breakthrough of space science.



Simulate two rotating black holes and create gravitational waves.(Photo: Extrem Tech.)

Thanks to the world's most sophisticated detection machine, when observing the collision of two black holes scientists discovered gravitational waves from disturbances in the space-time structure when a cubic object large amounts, such as black holes or neutron stars, move.

The Royal Swedish Academy of Sciences announced the Nobel Prize in Stockholm, half of the prize worth about \$ 1.1 million awarded to Rainer Weiss, half of the remaining money went to Kip Thorne and Barry Barish.

You finished reading the article "**The 2017 Nobel Prize for Physics was awarded to research on gravitational waves**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.