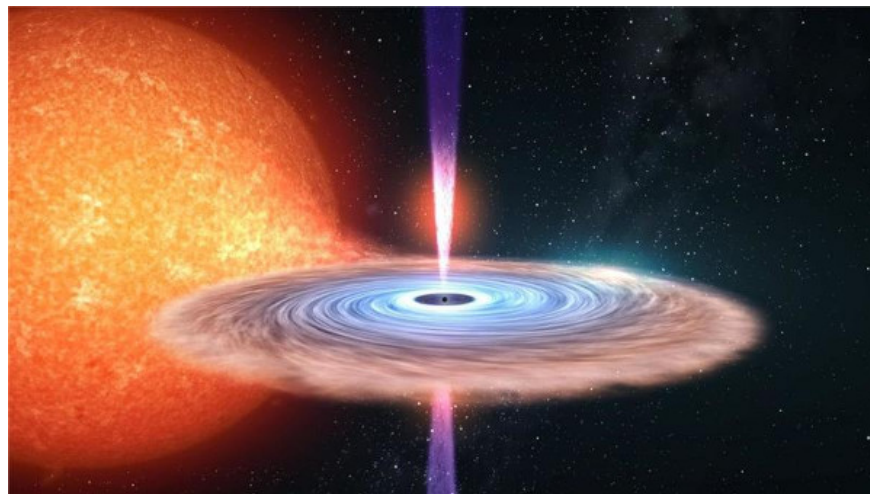


The streams of plasma sprayed from black holes can kill anything

The plasma flow from the black hole produces a large amount of radiation, especially high-energy X-rays and gamma rays, which can destroy anything on their path.

Astronomers know that black holes actually exist due to the giant plasma currents that it sometimes shoots into the space between galaxies. Previously, astronomers had not yet discovered the cause of the formation. This plasma is because they cannot see the activity inside the black hole.

1. 10 interesting facts about black holes in the universe (Part 1)
2. 10 interesting facts about black holes in the universe (Part 2)
3. If people fall into a black hole, what horrors will await them?
4. What happens when the Earth falls into a black hole?



Binary black hole system V404 Cygni extracts a bright plasma flow when swallowing a star near it.(Photo: NASA.)

Scientists at the University of Southampton, England, analyzed data observing binary black holes V404 Cygni recorded by NuSTAR space telescope and ULTRACAM camera at William Herschel Observatory in La Palma, West Spain in 2015. They discovered new clues about the shape of plasma currents, and how they had enough energy to radiate at multiple wavelengths, like two light columns firing along the rotating axis of a black hole. .

V404 Cygni is one of the binary black hole systems closest to Earth. It consists of a slightly smaller star than the Sun. V404 Cygni requires only 6.5 days to orbit another black hole 10 times more massive. These two black holes create an extremely strong gravitational pull, and attract the matter of a nearby star. The amount of this material goes to the plasma plate that rotates around the black hole and is heated to millions of degrees Celsius. When the temperature and the magnetic field change, the matter particles in the plasma disk are released to form a light column that escapes the hole. black.

On June 15, 2016, the V404 Cygni system was "awake" with a strong outbreak.

The plasma flows from the hole hundreds of millions of degrees or more, producing a large amount of radiation, especially high-energy X-rays and gamma rays, which can destroy anything on their path.

The study was published in Nature Astronomy on October 30.

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