

A group of scientists recorded a unique space event – the rare supernova SN 2023ZKD, flashed next to a black hole.

For the first time in the history of observation, II Laiss, working on the principle of Spotify algorithms. He selected anomalies in the Zwicky Transient Facility telescope in California and indicated to astronomers to the unusual behavior of the star a few months before the explosion.

Supernova broke out in July 2023 at a distance of about 730 million light years from the ground. According to one version, a massive star, rotating around a black hole, experienced tremendous gravitational stress and exploded at the time of trying to “absorb” her companion.

Another hypothesis involves the destruction of the star in a black hole, but the data indicates more to joint interaction.

AI allowed to fix rare changes in brightness even before the explosion and organize observations by the largest observatories.

This gave scientists unique information on how the interaction of massive stars and black holes forms such catastrophic events. The discovery is called an important step in the study of the evolution of supernova and binary systems.