

News & Comments

Quasar's Mystery Started to Unfold.

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A far away galaxy, having a black hole emitted radio signals, that astronomers in Japan noticed, which end up with a unique discovery about quasar 3C273, which is the first-ever discovered quasar.

A quasar is short for "quasi-stellar object,". They are a very luminous centre of galaxies having an active supermassive black hole. The radiations are due to the large quantities of hot gas.

The high-intensity light emitted from quasar makes it hard to observe, but the team of astronomers used the Atacama Large Millimeter/submillimeter Array in Chile, to observe quasar 3C273. To understand how bright it is, it is 4 trillion times brighter than Sun. Let's not mistake black holes for emitting light, but rather it occasionally glows because of huge accretion disks around them. After its discovery in 1963, it easily became the most studied quasar.

After observation, the team found that radio waves are due to the ionization of hydrogen gas (which is vital for star formation). Another important conclusion they made was that black hole is not doing much to stop star formation. This discovery will help unfold the mystery of other quasars.

KEYWORDS

Quasar, black hole, quasi-stellar object, quasar 3C273, active black hole, Atacama large millimetre, astronomy, astronomy, galaxy, galaxies

