

Sagittarius A*

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Sagittarius A* Latest News

Recently, after 50 years of relentless research, astronomers have finally found evidence of wind blowing from Sagittarius A*.

About Sagittarius A*

- It is a **supermassive black hole** at the **Milky Way's Center**.
- It was discovered in the 1970s.
- It is **mostly dormant** and only occasionally absorbs gas or dust, but nonetheless has an estimated **mass 4.3 million times that of the sun**.
- It is located in the **constellation Sagittarius**.
- It has a diameter of around 14.6 million miles (23.5 million kilometers).
- It is a **strong source of radio waves**. Most of the radio radiation is from a synchrotron mechanism, indicating the presence of free electrons and magnetic fields.
- The event horizon of the black hole has a radius of 12 million km (7 million miles).

What is a Black hole?

- A black hole is a **region in space where gravity pulls** so much that even **light cannot get out**.
- The gravity is so strong because matter has been squeezed into a tiny space. This can happen when a star is dying.
- Because no light can get out, it is difficult to detect a black hole.
- The **largest black holes are called “supermassive.”** These **black holes** have masses that are more than 1 million suns together.
- Albert Einstein first predicted the existence of black holes in 1916, with his general theory of relativity.

Source: TH

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