

Fermi Gamma-Ray Telescope

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Why in news?

- NASA's space telescope Fermi Gamma-ray has identified the farthest gamma-ray blazars that are a type of galaxy whose intense emissions are powered by super-sized black holes.

The telescope

- NASA's Fermi Gamma-ray Space Telescope is a powerful space observatory that opens a wide window on the universe it was launched in 2008.
- Gamma rays are the highest-energy form of light, and the gamma-ray is spectacularly different from the one we perceive with our own eyes.
- It aims to provide more information with regards to phenomenon like quasars, black holes, blazars etc.
- More technically, Fermi observes light in the photon energy range of 8 keV to greater than 300 GeV. An electronvolt is a unit of energy close to that of visible light; Fermi observes photons with energy levels thousands to hundreds of billions of times greater than what the unaided eye can see.