

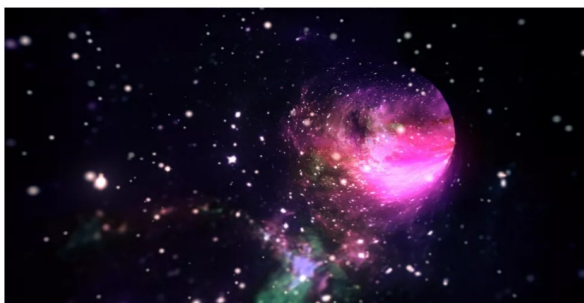
# Giant Magnetic Trap

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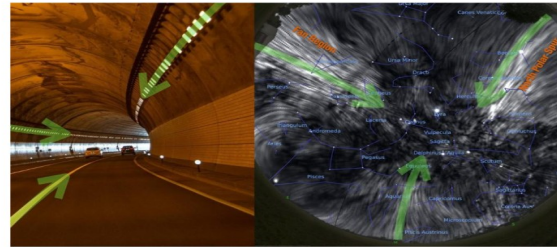
## Abstract:-

Today's article is about how our earth along with our solar system might be trapped inside a huge magnetic tunnel and astronomers are busy in speculating this theory and reason behind such occurrence.



The proposed giant tunnel is hundred of light years wide, making it big enough to encompass Earth, our solar system, and even nearby stars. (Image credit: Eduard Muzhevskiy via Getty Images)

There are two brightest radio light emitting gaseous structures, namely , North polar spur and The Fan region, though they are situated at different direction of our sky. An astronomer at the Dunlap institute of astronomy and astrophysics, under the University of Toronto, named Jennifer west had submitted a proposal that, the two giant radio emitting gaseous structures may in fact be connected .

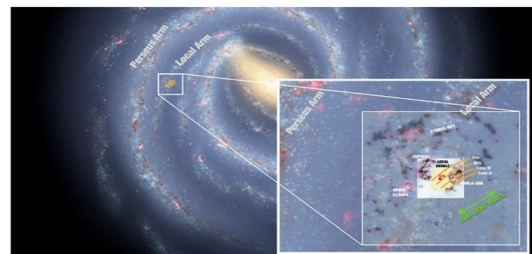


The left image shows a curving tunnel, with the geometry formed by the tunnel's lights and road markings being similar to the geometry of the cosmic tunnel. The right shows the night sky in radio polarized waves, with the filaments annotated with arrows.

(Image credit: Left: Pixabay/ Jennifer West. Right: Dominion Radio Astrophysical Observatory/Villa Elisa telescope/ESA/Planck Collaboration/Stellarium/Jennifer West)

**The north polar spur:-** The north polar spur is gigantic stretching cloud , yellow colour, is spread above the plane of our very own milky way galaxy, emits x rays and radio waves.

**The fan region:-** The fan region is that well understood by astronomers. It also emits x-rays and radio waves.



An illustrated map of the Milky Way. The zoomed-in inset image shows the bars of the filaments with a tiny red dot, our sun, trapped between them.

(Image credit: NASA/JPL-Caltech/R. Hurt/SSC/Caltech/Jennifer West)

These structures were discovered in 1960s, but not enough understanding has been developed till date. The curving tendrils project outward from

the north spur region and the fan region, constituting charge particles and have a magnetic fields. Jennifer west speculates, that not only they are connected, but it can be magnetic tunnels , trapping our earth and rest of the solar system with some chunk of our galaxy. The computer stimulation estimate that those tendrils can be 1000 light years long.

### **Text and images Reference:-**

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