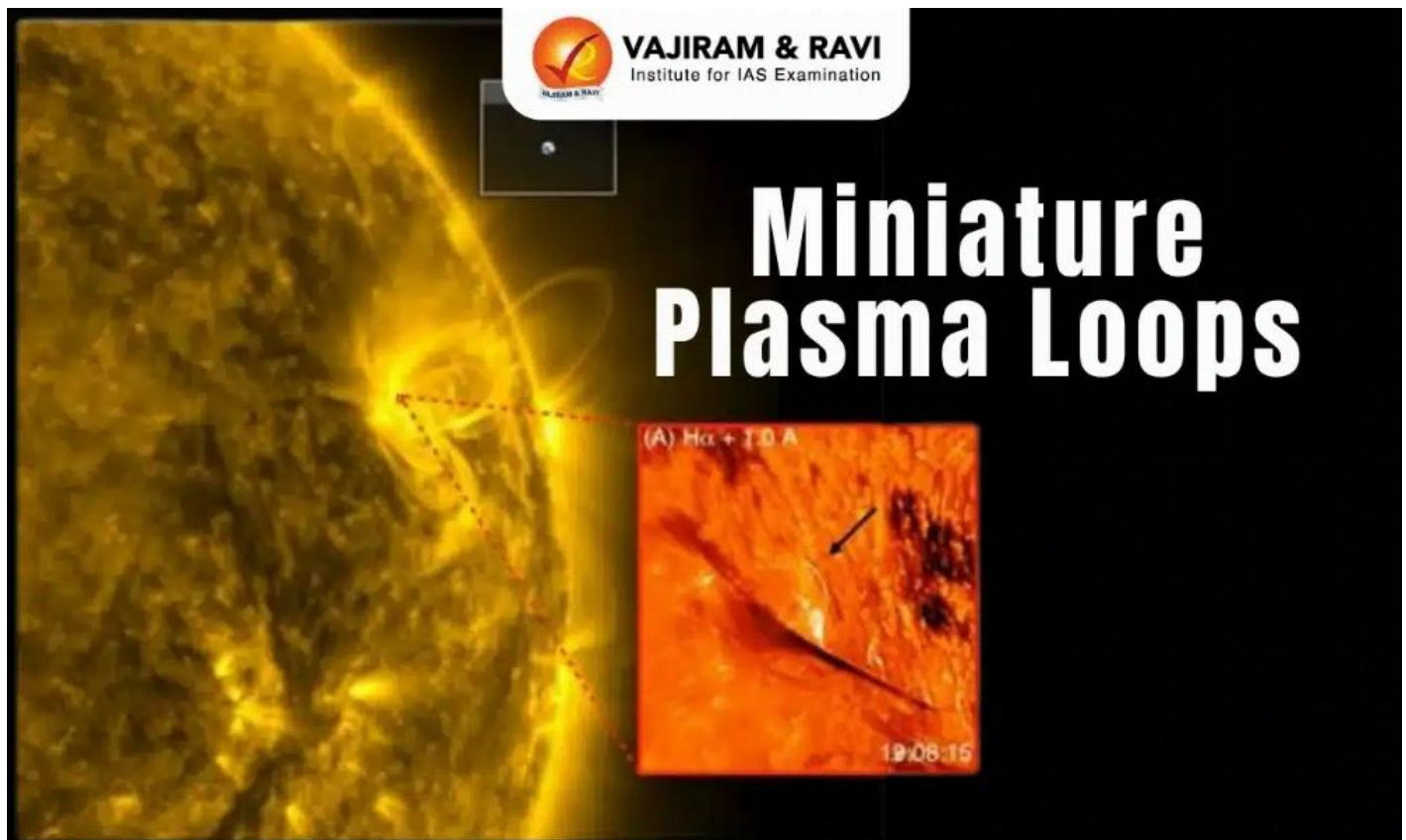


Miniature Plasma Loops

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Miniature Plasma Loops Latest News

Astronomers at the Indian Institute of Astrophysics (IIA), and their collaborators used high-resolution imaging and spectroscopy to catch miniature plasma loops elusive structures in action.

About Miniature Plasma Loops

- These miniature loops are about **3,000-4,000 kilometers long** and have a width of less than 100 kilometers.
- These are so **small and short-lived**, that they have stayed hidden until now.
- They hold clues to one of the **Sun's deepest mysteries** -how it stores and **unleashes magnetic energy**.
- They offer a new window into how **magnetic energy** is stored and released in the solar atmosphere on small scales.
- Among the most intriguing features of the Sun's outer layer are coronal loops, arc-like beautiful structures of hot plasma that glow at a temperature over a million degrees.

- While these large loops in the solar corona, or outer atmosphere, have long been studied, scientists are now also paying attention to miniature counterparts of these loops.
- This makes them challenging to study, as they stay hidden in the lower layers of the Sun's atmosphere and are mostly unresolved by earlier telescopes.

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/miniature-plasma-loops/>

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