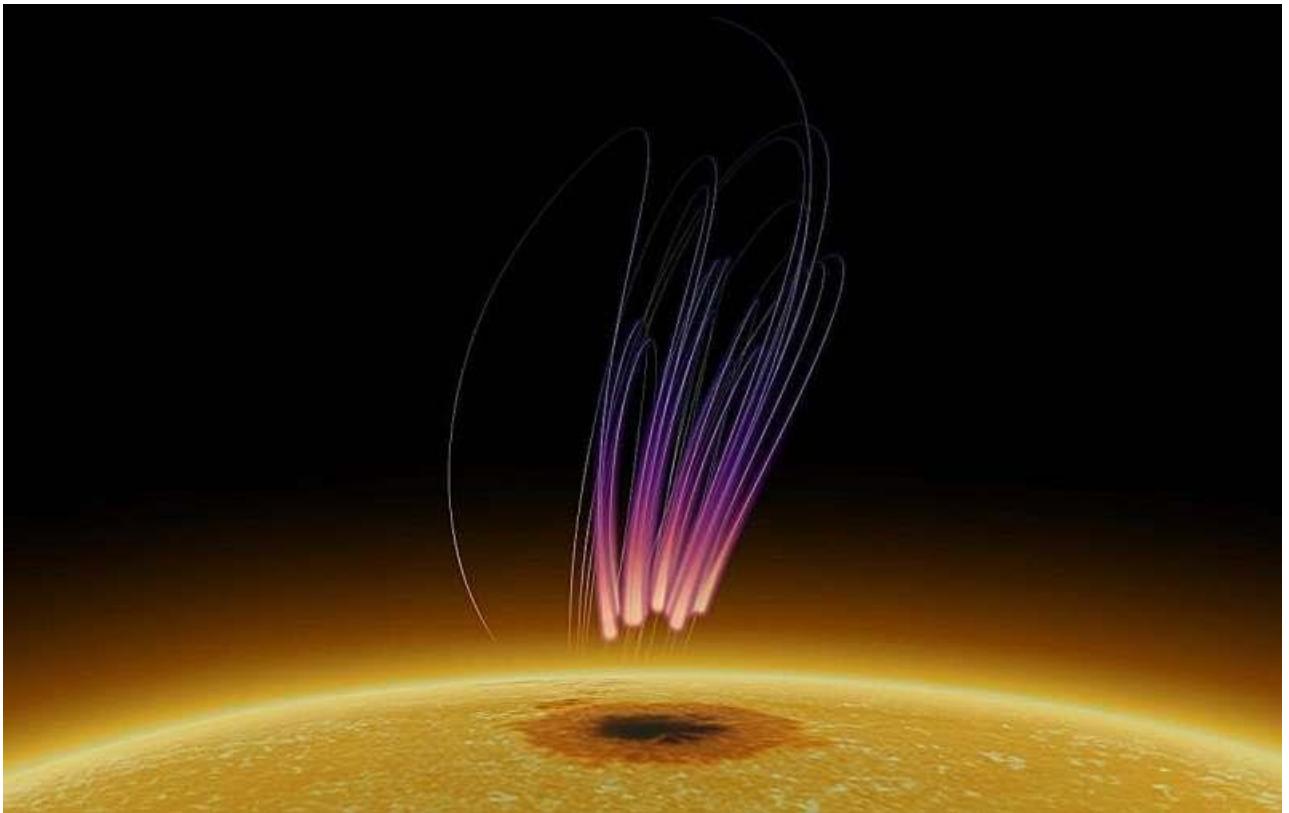


NEW OBSERVATIONAL EVIDENCE SHOWING EXTERNALLY POWERED SUN

Abstract

Extremely valuable solar observation showing externally powered Sun. But, as usual, the interpretation of this observation is wrong and intended to suit the dogmatic standard solar model.



On the 13th of November 2023, nature astronomy published a research, titled: Detection of long-lasting aurora-like radio emission above a sunspot. [Detection of long-lasting aurora-like radio emission above a sunspot | Nature Astronomy](#) The research was carried out by a research team from the New Jersey Institute of Technology's Center for Solar-Terrestrial Research (NJIT-CSTR).

First of all, according to my understanding, the detection of this solar phenomenon shows once again the ultra-energetic cosmic particles that power the Sun (the external energy supply). This external energy which varies on the

solar body and with solar cycle is the one that triggers all types of solar eruptions.

Now, let us look into this study. The team said that they detected an extraordinary aurora-like radio emission occurring approximately 40 000 km (25 000 miles) above a sunspot. In other words, the team led by scientist Sijie Yu, has detected a long-lasting polarized radio burst emanating high above sunspot, which persisted for over a week. This radio emission differs from the typical, fast solar eruption that usually last for only a few minutes or hours. Note, that this phenomenon shows characteristics akin to the auroral emissions observed around planets like Earth, Jupiter, Saturn and others. Nonetheless, you have to keep in mind, that auroral emissions on planets occur only when solar activities (solar radiation) hit their magnetospheres. For instance, when solar storm hits Earth's magnetosphere that would lead to the precipitation of charged particles in Polar Regions where they interact with atmospheric gases, and the reason why solar storm always hits the Polar regions. That is because the magnetic fields on the surface of the Earth are strongest around the North and South Poles. Anyhow, as a result of this interaction, radio emissions at frequencies around a few hundred kHz are generated. On the other hand, the sunspot aurora emissions observed by the research team occurred at much higher frequencies – from hundreds of thousands to approximately 1 million kHz.

The main cause for the emission at much higher frequencies is due mainly to the ultra-high energy cosmic particles that hit the Sun, not because the sunspot's magnetic field is thousands of times stronger than Earth's magnetic field. So, although, the radio emissions above the sunspot, which was observed by the (NJIT-CSTR) research team, differ in its spectral and temporal characteristics from the radio emissions generated from Earth's aurora, both emissions still sharing one common feature. Specifically, they share the external intense energy to generate them. Basically, the sunspot aurora is a consequence of electron-cyclotron Maser (ECM) emission, involving highly energetic electrons that collide with the intense magnetic energy emitted from sunspot. These highly energetic electrons are coming from outside the Sun, not from the so-called sporadic flare activity in nearby regions. Yet, the research team is absurdly claiming that the radio bursts are powered by sporadic flare activity in nearby regions, which injects energetic electrons into large-scale magnetic loops anchored at the sunspot. How the HELL can the nearby regions be responsible for the ECM radio emissions which happen 40 000 km (25 000 miles) above the sunspot?!

And, since we are discussing sunspots, it is worth mentioning that the current belief which assumes that the region of sunspots is the coldest region on the

solar surface is completely wrong, and actually the opposite is true. Sunspots are the hottest regions, and the reason why they look dark is because they are more conductive, not because they are cooler. Furthermore, during eruption of intense solar flare, the temperature can be as high as 100,000,000 Degrees Kelvin. This temperature is more than 6 times higher than the hypothetical temperature that supposed to exist at the core of the Sun. Anyway, in my comprehensive research work about the sun, that I hope will be published in the near future, I explained the processes of solar eruptions based on the physical reality of the Sun.

However, one cannot imagine my sadness and frustration when I see institutional astrophysicists provide interpretations of observational data that are not only scientifically baseless, but also have no rational sense none whatsoever. In fact, for many decades, the ridiculous interpretation of observational data of astrophysics in general and solar physics in particular is the name of the game. The reason for this ridiculous attitude is because the explanation for any solar observation has to be within the boundaries of the dogmatic box. Namely, within the boundaries of the Standard Solar Model (SSM). The SSM is considered as an absolute holy model by all institutional scientists and it has to be protected, no matter what the observation shows. That is an absolute outrage and I have no words to describe this tragic attitude, especially that all solar observations since the dawn of the space age showed that the SSM to be not even wrong. Hence, the question that poses itself, is why do we build space instruments to observe the Sun, if all the observations have to be twisted and modified in order to suit the SSM? And, how can we obtain any scientific progress with this attitude and behavior?

Definitely, current astrophysics models and theoretical physics in general are philosophies not empirical science. Precisely, they are philosophies based on mathematical fiction, not physics facts. Do you know that current astrophysics models violate all the laws of thermodynamics (the four laws of thermodynamics)? So, how can astrophysics be considered as true science? Make no doubt about it, the Sun is grossly misunderstood and without getting rid of the dogmatic SSM, the greatest scientific progress and the understanding of the most important scientific facts about the Universe are inconceivable.

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