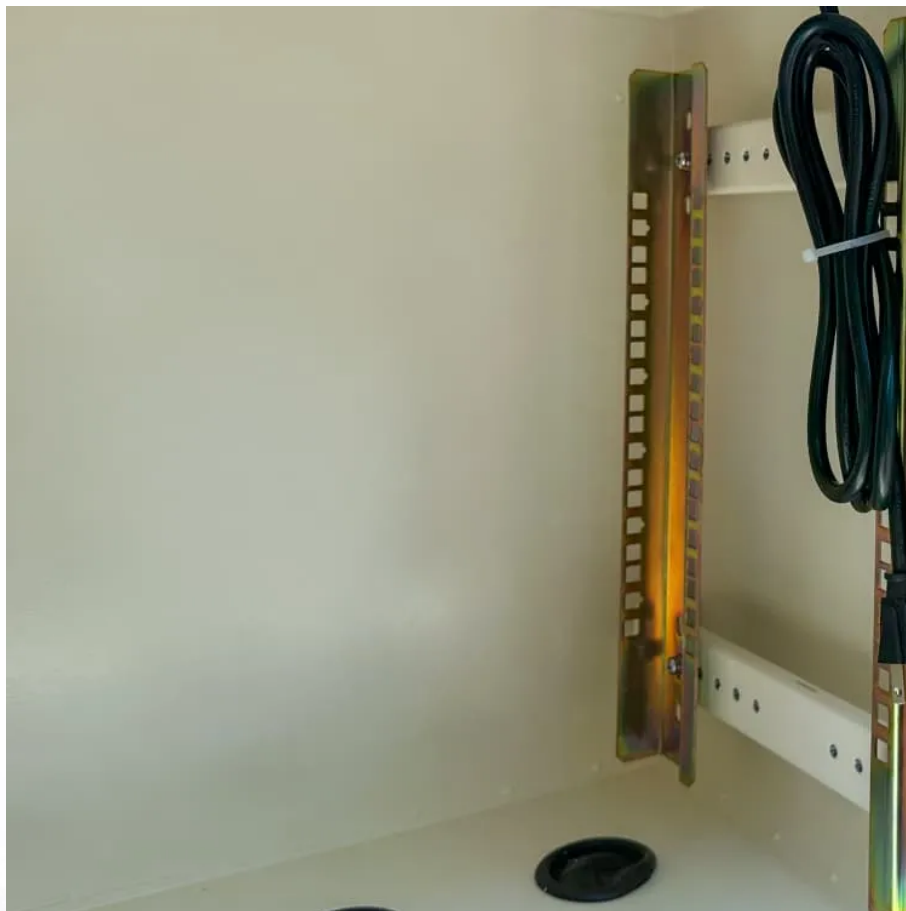


The highest and brightest solar energy





Overview

What is the highest-energy light ever observed from the Sun?

Nisa, who will soon be joining MSU's faculty, is the corresponding author of a new paper in the journal *Physical Review Letters* that details the discovery of the highest-energy light ever observed from the sun. The international team behind the discovery also found that this type of light, known as gamma rays, is surprisingly bright.

Can a solar physicist find the most energetic light?

The most energetic light ever seen emanating from the Sun has just been detected, creating a new puzzle for solar physicists to solve. A 6-year observing campaign by more than 30 institutions across North America, Europe, and Asia has resulted in the first ever detection of solar gamma radiation in the teraelectronvolt (TeV) range.

Is this the highest energy light ever seen in space?

Their new analysis pipeline determined that this emission was coming from the Sun, with a 6.3 sigma probability. It's not the highest energy light ever seen in space.

Can the Sun be this bright at these energies?

The sun cannot be this bright at these energies." Upon deliberation, however, the team realized that such brightness definitely existed — and it was simply due to the sheer amount of gamma rays the sun seemed to be spitting out. "The sun is more surprising than we knew," Nisa said. Before you start worrying, no, these rays can't harm us.



The highest and brightest solar energy

Scientists Detect Highest-Energy Light Ever Seen From The Sun

Aug 4, 2023 · The most energetic light ever seen emanating from the Sun has just been detected, creating a new puzzle for solar physicists to solve.

Scientists identify the sun's highest-energy light source

Aug 4, 2023 · A new study reported the discovery of the highest-energy light ever observed from the sun. This light, called gamma rays, is extremely bright. It means there's more of it than ...

The Sun Blasts the Highest-Energy Gamma Rays Ever ...

Feb 4, 2024 · The discovery of these high-energy gamma rays from the sun has important implications and applications for solar physics and other fields of science. For solar physics, ...

Sun blasts out highest-energy radiation ever ...

Aug 6, 2023 · Astronomy Solar System The Sun Sun blasts out highest-energy radiation ever recorded, raising questions for solar physics News ...

Scientists discover the highest-energy light coming from the ...

Aug 3, 2023 · New research details the discovery of the highest-energy light ever observed from the sun. The international team behind the discovery also found that this type of light, known ...

Solar Spectacle: Highest-Energy Sunlight Ever ...

Oct 27, 2023 · Researchers discovered the highest-energy light ever observed from the sun, known as gamma rays, which was brighter than ...

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Scientists identify the sun's highest-energy ...

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Scientists Detect Highest-Energy Light Ever ...

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HAWC discovers the highest energy light coming from the sun

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HAWC discovers the highest energy light ...

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Highest-energy sunlight ever recorded is far beyond what ...

Aug 4, 2023 · The sun's rays may be stronger than scientists previously thought, new research suggests. Using a highly sophisticated telescope, a team of researchers recorded the highest ...

Solar Spectacle: Highest-Energy Sunlight Ever Recorded

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