

May 6-10,
2024

FUSION
ENERGY
WEEK

Small actions create lots of energy

Fusion energy powers the sun and stars. We are closer than ever to harnessing this clean energy here on earth. **Fusion Energy Week** will connect the public with those working in fusion energy around the world at laboratories, universities and companies who support this pursuit of a clean, safe, and reliable energy alternative. Join us for a series of events when we will come together in May to celebrate the science and technology that will make fusion the energy solution of tomorrow.

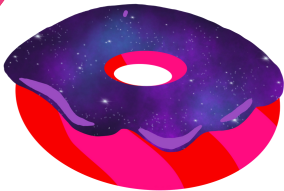
For more information, go to FusionEnergyWeek.org
or email steffi@usfusionenergy.org



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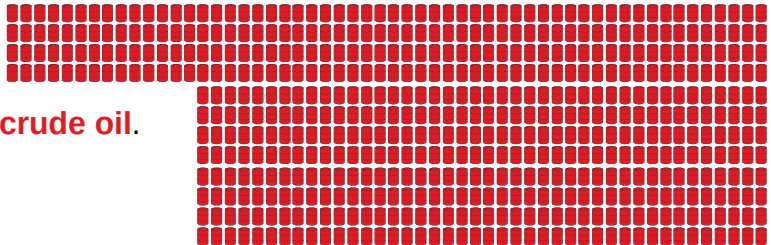
Powering our future with fusion energy



Fusion fuel weighing 50 grams
(size of a donut), is enough to
power **1,000 homes for 1 month!**



50 grams of fusion
fuel is equivalent to
about **560 barrels of crude oil.**



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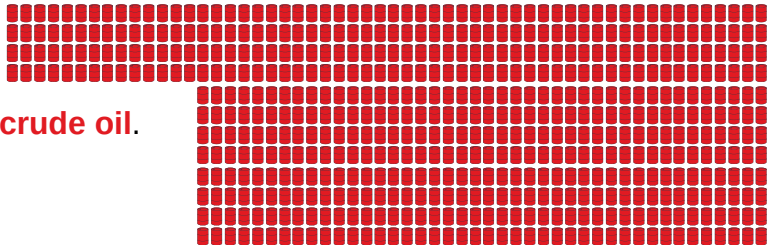
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Meet Cecilia Payne

What are stars made of? How do stars make their energy? We know the answers to these questions thanks to Dr. Cecilia Payne-Gaposchkin, who discovered that the stars, like our Sun, are mostly made of hydrogen and helium. This led to our understanding of fusion—the reaction that powers our sun and the stars. These elements are the “fuel” that powers fusion reactions inside the sun in a giant fusion engine. Together, we are working to build fusion engines here on Earth. Join the celebration and join the movement to bring the power of the stars to Earth.

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What is fusion?

Fusion occurs when two light nuclei merge to form a single, larger nucleus, releasing energy. The process releases energy because the total mass of the resulting single nucleus is less than the mass of the two original nuclei. That leftover mass becomes energy. Fusion reactions are what power the sun and other stars.

Depiction of the deuterium (D) and tritium (T) fusion reaction, producing helium (He), a high-energy neutron, and energy.

