## **EDWARD CONARD**



## **Macro Roundup Artcile**

**Headline: WHAM! Nuclear Fusion Experiment Hits New Record for Magnet Strength** 

**Article Link:** <a href="https://techcrunch.com/2024/07/18/wham-nuclear-fusion-experiment-hits-new-record-for-magnet-strength/">https://techcrunch.com/2024/07/18/wham-nuclear-fusion-experiment-hits-new-record-for-magnet-strength/</a>

Author(s)	Tim De Chant
Publication	Tech Crunch
Publication Date	July 19, 2024

**Tweet:** A nuclear fusion experiment at the University of Wisconsin-Madison set a record for the strongest magnetic field confining a plasma, raising hopes that future reactors will produce more power than they consume.

**Summary:** A nuclear fusion experiment at the University of Wisconsin-Madison has set a record for the strongest steady magnetic field confining a plasma, ushering in new hope that forthcoming demonstration reactors will deliver on their promises to produce more power than they consume. The new magnets came from Commonwealth Fusion Systems (CFS), a pioneering startup in the fusion industry which delivered the devices to UW-Madison's WHAM experiment earlier this month. Once the WHAM team chilled the magnets down to operating temperature and applied a strong electrical current, the high-temperature superconductors produced a 17 tesla magnetic field. That's more than twice as powerful as high-resolution MRI scanners use to image the human brain.

**Related Articles:** China Outspends the U.S. on Fusion in the Race for Energy's Holy Grail and US Scientists Repeat Fusion Power Breakthrough and European Scientists Set New Nuclear Fusion Energy Record

**Primary Topic:** Energy

Topics: Energy, Innovation/Research, News article, Productivity, Science

**Permalink:** <a href="https://www.edwardconard.com/macro-roundup/a-nuclear-fusion-experiment-at-the-university-of-wisconsin-madison-set-a-record-for-the-strongest-magnetic-field-confining-a-plasma-raising-hopes-that-future-reactors-will-produce-more-power-than-the?view=detail</a>

**Featured Image Link:** https://www.edwardconard.com/wp-content/uploads/2024/07/22447-wh am-nuclear-fusion-experiment-hits-new-record-for-magnet-strength-space-filling-graphic.png