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Date: 11 Sep 2024

Vacuum and cleanliness - Space solutions for terrestrial dust

<https://www.iter.org/newsline/-/4066>

[Latest ITER Newsline: <https://www.iter.org/whatsnew>]

Tokamak Energy launches HTS magnet division

<https://www.neimagazine.com/news/tokamak-energy-launches-hts-magnet-division/>

UKAEA unveils the technical progress being made on nation's first prototype fusion plant

<https://eandt.theiet.org/2024/09/04/ukaea-unveils-technical-progress-being-made-uks-first-prototype-fusion-plant>

First plasma marks major milestone in UW–Madison fusion energy research

<https://www.wisconsin.edu/all-in-wisconsin/story/first-plasma-marks-major-milestone-in-uw-madison-fusion-energy-research/>

Tracking plasma progression in a picosecond

<https://www.unr.edu/nevada-today/news/2024/pulse-probe-laser-plasma-progression>

Wendelstein 7-X starts new experimental campaign

<https://euro-fusion.org/member-news/wendelstein-7-x-starts-new-experimental-campaign/>

Could powerful lasers unlock cheap fusion power?

<https://www.bbc.com/news/articles/cml2pyvmw9ro>

Japan targets 2034 fusion breakthrough

<https://www.neimagazine.com/news/japan-targets-2034-fusion-breakthrough/>

New fusion reactions could lead to long-lasting superheavy nuclei with unique properties

<https://phys.org/news/2024-09-fusion-reactions-superheavy-nuclei-unique.html>

Fusion's public-relations drive is obscuring the challenges that lie ahead

<https://physicsworld.com/a/fusions-public-relations-drive-is-obscuring-the-challenges-that-lie-ahead/>

Breakthrough promises new era of ultraprecise nuclear clocks

<https://www.science.org/content/article/breakthrough-promises-new-era-ultraprecise-nuclear-clocks>

Automated Target Measurements Contribute to LLNL's Ignition Success

<https://lasers.llnl.gov/news/automated-target-measurements-contribute-llnls-ignition-success>

Achieving a supercapacitor through the 'molecular coating' approach

<https://www.sciencedaily.com/releases/2024/09/240905121043.htm>

Nuclear key for end-user decarbonisation, says Microsoft

<https://www.world-nuclear-news.org/articles/nuclear-key-for-end-user-decarbonisation-says-microsoft>

Finnish energy firm Helen launches nuclear programme

<https://www.world-nuclear-news.org/articles/finnish-energy-firm-helen-launches-nuclear-programme>

Taking the leap – how to prepare for your future in the quantum workforce

<https://physicsworld.com/a/taking-the-leap-how-to-prepare-for-your-future-in-the-quantum-workforce/>

Patent Publication Discloses Advances in Moon Mining Technology

<https://www.enr.com/articles/59231-patent-publication-discloses-advances-in-moon-mining-technology>

Recent Peer-Reviewed Articles of Interest

Special issue on Wide-Ranging and Exotic Applications of Fusion Technology, Part 2

<https://www.tandfonline.com/toc/ufst20/80/7>