

Date: 11 Sep 2025

FYI - Fusion News/Alerts

India on the ITER way

<https://www.neimagazine.com/analysis/india-on-the-iter-way/>

Cryopump commissioning - Let there be cold

<https://www.iter.org/node/20687/let-there-be-cold>

[Latest ITER Newline: <https://www.iter.org/whatsnew/468>]

Nuclear Fusion in Palladium Metal. No, Really.

<https://www.science.org/content/blog-post/nuclear-fusion-palladium-metal-no-really>

A Dual Ion Beam Tests New Steel Under Fusion Energy-Producing Conditions

<https://alumni.umich.edu/lifelong-learning/gateway/a-dual-ion-beam-tests-new-steel-under-fusion-energy-producing-conditions/>

CFS powers ahead with new funding

<https://www.neimagazine.com/news/cfs-powers-ahead-with-new-funding/>

Mitsubishi Backs US-Based Fusion Energy Startup

<https://www.tomorrowstoday.com/energy/mitsubishi-backs-us-based-fusion-energy-startup/>

Energy Department Announces \$134 Million to Advance U.S. Fusion Leadership Through Targeted Research

<https://www.energy.gov/articles/energy-department-announces-134-million-advance-us-fusion-leadership-through-targeted>

Plasma engine will help remove space debris from orbit

<https://universemagazine.com/en/plasma-engine-will-help-remove-space-debris-from-orbit/>

New consortium to address industry need for nuclear heat and power

<https://www.ans.org/news/2025-09-02/article-7337/new-consortium-to-address-industry-need-for-nuclear-heat-and-power/>

Particle detector proves precision as it prepares to probe properties of quark-gluon plasma

<https://phys.org/news/2025-09-particle-detector-precision-probe-properties.html>

APS student members weigh futures in both industry and academia

<https://www.aps.org/apsnews/2025/09/student-members-futures-industry-academia>

Hanford looks inside sealed nuclear reactors using modern technology

<https://www.ans.org/news/article-7329/hanford-looks-inside-sealed-nuclear-reactors-using-new-technology/>

U.S. nuclear fuel recycling takes two steps forward

<https://www.ans.org/news/article-7348/us-nuclear-fuel-recycling-takes-two-steps-forward/>

NNSA, LANL Receive Authorization To Depressurize Tritium Waste Containers

<https://losalamosreporter.com/2025/09/08/nnsa-lanl-receive-authorization-to-depressurize-tritium-waste-containers/>

NuCycle advances waste-to-fuel solution

<https://www.neimagazine.com/news/nucycle-advances-waste-to-fuel-solution/>

Clearest signal yet from colliding black holes yields most precise confirmation of Hawking's area theorem

<https://www.aps.org/about/news/2025/09/clearest-signal-hawkings-area-theorem>

The history of heavy ions

<https://cerncourier.com/a/the-history-of-heavy-ions/>

How did the oldest star clusters form?

<https://www.nature.com/articles/d41586-025-02598-4>

Atomic Canyon, Idaho National Labs to set AI standards for nuclear

<https://www.latitudemedia.com/news/atomic-canyon-idaho-national-labs-to-set-ai-standards-for-nuclear/>

Recent Peer-Reviewed Articles of Interest

MHD, disruptions and control physics: Chapter 4 of the special issue: on the path to tokamak burning plasma operation

<https://iopscience.iop.org/article/10.1088/1741-4326/ade7a0>

Strong anomalous absorption of an X-mode pump microwave in a plasma filament due to the two-plasmon decay instability

<https://pubs.aip.org/aip/pop/article/32/9/092101/3361268/Strong-anomalous-absorption-of-an-X-mode-pump>

Effects of hydrogen on sputter-deposited boron carbide films

<https://pubs.aip.org/aip/jap/article/138/9/095301/3361216/Effects-of-hydrogen-on-sputter-deposited-boron>

Plasma damage-free in situ etching of β -Ga₂O₃ using solid-source gallium in the LPCVD system

<https://pubs.aip.org/aip/apl/article/127/10/102105/3362053/Plasma-damage-free-in-situ-etching-of-Ga2O3-using>

Calibration of a gated neutron time-of-flight spectrometer with low-afterglow

<https://pubs.aip.org/aip/rsi/article/96/9/093502/3361988/Calibration-of-a-gated-neutron-time-of-flight>

[Of Interest]

Global geopolitics should not stall science — 5 ways to push back

<https://www.nature.com/articles/d41586-025-02814-1>

Two takes on the economics of big science

<https://cerncourier.com/a/two-takes-on-the-economics-of-big-science/>

Empowering the next generation: ANS's newest book focuses on careers in nuclear energy

<https://www.ans.org/news/2025-09-09/article-7319/empowering-the-next-generation-anss-newest-book-focuses-on-careers-in-nuclear-energy/>