

Date: 10 Jun 2026

Plant Assembly - First Russian gyrotrons installed

<https://www.iter.org/node/20687/first-russian-gyrotrons-installed>

[Latest ITER Newline: <https://www.iter.org/whatsnew/503>]

Fusion Startup's Commercial Reactor Design Gets a Big Boost

<https://spectrum.ieee.org/fusion-reactor-tokamak-cfs-arc>

Europe's first ITER Divertor Cassettes ready

<https://fusionforenergy.europa.eu/news/iter-divertor-cassettes-ready-simic/amp/>

Delivery of magnet bundle signals a new age of fusion research

<https://www.pppl.gov/news/2026/delivery-magnet-bundle-signals-new-age-fusion-research>

Thea Energy Accelerates Fusion Energy with Helios Power Plant Digital Twin and AI Surrogate Models in Collaboration with NVIDIA, Synopsys, Argonne National Laboratory, and Princeton Plasma Physics Laboratory

<https://thea.energy/press-release/thea-energy-accelerates-fusion-energy-with-helios-power-plant-digital-twin-and-ai-surrogate-models-in-collaboration-with-nvidia-synopsys-argonne-national-laboratory-and-princeton-plasma-physics-lab/>

Nuclear-fusion firm says plant will deliver electricity to grid – but big questions remain

<https://www.nature.com/articles/d41586-026-01795-z>

Cold testing starts at ITER

<https://www.neimagazine.com/news/cold-testing-starts-at-iter/>

Commonwealth Fusion Systems Builds on Learnings From SPARC to Publish Five Peer-Reviewed Papers Validating the Physics of the ARC Fusion Power Plant

<https://cfs.energy/news-and-media/commonwealth-fusion-systems-builds-on-learnings-from-sparc-to-publish-five-peer-reviewed-papers-validating-the-physics-of-the-arc-fusion-power-plant/>

Fusion Energy Leaders Gather in Lincoln as University Hosts Major Industry Events

<https://news.lincoln.ac.uk/2026/06/08/fusion-energy-leaders-gather-in-lincoln-as-university-hosts-major-industry-events/>

Draft National Policy Statement for fusion energy generation (EN-8)

<https://www.gov.uk/government/consultations/draft-national-policy-statement-for-fusion-energy-generation-en-8/draft-national-policy-statement-for-fusion-energy-generation-en-8-accessible-webpage>

Helion advances fusion energy program

<https://www.neimagazine.com/news/helion-advances-fusion-energy-program/>

Research on magnetic plasma confinement wins Plasma Physics and Controlled Fusion Outstanding Paper Prize

<https://physicsworld.com/a/research-on-magnetic-plasma-confinement-wins-plasma-physics-and-controlled-fusion-outstanding-paper-prize/>

McCarthy announced as new editor of ANS fusion journal

<https://www.ans.org/news/2026-06-04/article-8095/mccarthy-announced-as-new-editor-of-ans-fusion-journal/>

Xcimer Energy Starts Operations of Prototype for Laser Fusion Architecture

<https://www.powermag.com/xcimer-energy-starts-operations-of-prototype-for-laser-fusion-architecture/>

Device could sniff out fusion reactors secretly making material for a nuclear bomb

<https://www.nature.com/articles/d41586-026-01764-6>

Fusion firms target early 2030s commercial launch as CFS and Helion hit key milestones

<https://eandt.theiet.org/2026/06/05/fusion-firms-target-early-2030s-commercial-launch-cfs-and-helion-hit-key-milestones>

General Atomics US Space Force Unit of the Year Award Presented to 2nd Space Launch Squadron

<https://www.ga.com/ga-us-space-force-unit-of-the-year-award-presented-to-2nd-space-launch-squadron>

Thea secures Eos stellarator funding

<https://www.neimagazine.com/news/thea-secures-eos-stellarator-funding/>

Jupiter observations reveal a simple scaling law for particle acceleration

<https://www.nature.com/articles/d41586-026-01412-z>

Scientists simulated a nuclear fireball and found a surprise in the fallout

<https://www.sciencedaily.com/releases/2026/06/260603023104.htm>

Four Ways Nuclear Science Is Helping Build a More Sustainable Future

<https://www.iaea.org/newscenter/news/four-ways-nuclear-science-is-helping-build-a-more-sustainable-future>

New York opens RFQ, RFA windows for nuclear development and workforce

<https://www.ans.org/news/article-8094/new-york-opens-rfq-rfa-windows-for-nuclear-development-and-workforce/>

Investigating the local structure of Ni-33atCr via neutron total scattering

<https://sheffield.ac.uk/metallicscdt/case-studies/investigating-local-structure-ni-33atcr-neutron-total-scattering>

Japan proposes replacement of up to 14 nuclear reactors

<https://world-nuclear-news.org/articles/japan-proposes-replacement-of-up-to-14-nuclear-reactors>

Uranium: More energy, fewer emissions

<https://www.iaea.org/bulletin/uranium-more-energy-fewer-emissions>

Precision Measurement Under Impact – When the Balance Itself Becomes the Object of Measurement

<https://www.tuwien.at/en/tu-wien/news/news-articles/news/praezisionsmessung-unter-beschuss-wenn-die-waage-selbst-zum-messobjekt-wird>

New quantum behaviour in plutonium could reshape nuclear science, according to study

<https://eandt.theiet.org/2026/06/08/new-quantum-behaviour-plutonium-could-reshape-nuclear-science-according-study>

A Steady Breeze from the Milky Way's Black Hole

<https://physics.aps.org/articles/v19/82>

From Remediation to Renaissance: EM Builds Foundation for New Nuclear Era

<https://www.energy.gov/em/articles/remediation-renaissance-em-builds-foundation-new-nuclear-era>

Japan could replace up to 14 reactors by the 2050s under new proposal

<https://www.ans.org/news/article-8104/japan-could-replace-up-to-14-reactors-by-the-2050s-under-new-proposal/>

Nuclear shells govern close proton–neutron partnerships

<https://physicsworld.com/a/nuclear-shells-govern-close-proton-neutron-partnerships/>

Recent Peer-Reviewed Articles of Interest

POP Special Collection: 2nd European Conference on Magnetic Reconnection in Plasmas

<https://pubs.aip.org/pop/collection/604761/2nd-European-Conference-on-Magnetic-Reconnection>

Challenges and opportunities for AI to help deliver fusion energy

<https://iopscience.iop.org/article/10.1088/1361-6587/ae775c>

A high-accuracy machine-learning interatomic potential for modeling rhenium in tungsten

<https://www.sciencedirect.com/science/article/pii/S0022311526003636>

Bayesian Experimental Design of Magnetic Diagnostics on the WEST Tokamak

<https://iopscience.iop.org/article/10.1088/1361-6587/ae7719>

FYI – FUSION NEWS/ALERTS

The high-field tokamak physics basis for the ARC fusion power plant
<https://www.cambridge.org/core/journals/journal-of-plasma-physics/article/highfield-tokamak-physics-basis-for-the-arc-fusion-power-plant/08418B31D6FE9BE1548E35E792E4CB2D>

Physics-informed surrogate modeling and multi-objective optimization of microwave plasma CO₂ dissociation under Martian atmospheric conditions
<https://iopscience.iop.org/article/10.1088/1361-6463/ae797e>

[Of Interest]

World's Top GreenTech Companies of 2026
<https://time.com/article/2026/06/09/world-top-greentech-companies-2026/>

Making Pluto a planet again sounds simple. It isn't
<https://www.sciencefocus.com/space/make-pluto-a-plane>

We can predict space weather—what if we could also stop it?
<https://phys.org/news/2026-06-space-weather.html>

Microsoft's new quantum computer chip has a fundamental problem
<https://www.scientificamerican.com/article/microsofts-upgraded-majorana-quantum-computing-chip-fizzles-with-physicists/>

How novel is that research paper? Competition to quantify concept crowns winner
<https://www.science.org/content/article/how-novel-research-paper-competition-quantify-concept-crowns-winner>

Apple's new Siri can run your digital life. The catch is privacy
<https://www.scientificamerican.com/article/inside-the-new-siri-ai-and-the-privacy-paradox-of-apple-intelligence/>

Scientific American Summer Reading Challenge
<https://www.scientificamerican.com/article/join-the-scientific-american-summer-reading-challenge/>