

Date: 02 Jul 2026

Central solenoid assembly milestone - Standing tall

<https://www.iter.org/node/20687/standing-tall>

[Latest ITER Newslines: <https://www.iter.org/whatsnew/506>]

US-UK fusion agreement builds on King's Address to Congress

<https://www.gov.uk/government/news/us-uk-fusion-agreement-builds-on-kings-address-to-congress>

Using lithium vapour to protect fusion reactors from extreme heat

<https://www.tue.nl/en/news-and-events/news-overview/29-06-2026-using-lithium-vapour-to-protect-fusion-reactors-from-extreme-heat>

Mass spectrometry delivers fusion insights

<https://physicsworld.com/a/mass-spectrometry-delivers-fusion-insights/>

German startups compete in global race for nuclear fusion

<https://www.dw.com/en/global-firms-and-german-startups-compete-in-realizing-nuclear-fusion/a-77772842>

New fusion initiative begins in Germany

<https://www.ans.org/news/article-8144/new-fusion-initiative-begins-in-germany/>

California backs fusion test facility

<https://www.neimagazine.com/news/california-backs-fusion-test-facility/>

UK fusion sector poised for industrial scale-up

<https://world-nuclear-news.org/articles/uk-fusion-sector-poised-for-industrial-scale-up>

French software giant secures £30m UK fusion contract

<https://www.uktech.news/energy/french-software-giant-secures-30m-uk-fusion-contract-20260629>

A potential hindrance to fusion power may help instead

<https://www.sciencenews.org/article/nuclear-fusion-alpha-particles-reactor>

GCS: Modeling Fusion Physics and Technology with HPC

<https://www.hpcwire.com/off-the-wire/gcs-modeling-fusion-physics-and-technology-with-hpc/>

University of Birmingham helps accelerate fusion energy materials research with Clean Air Task Force

<https://www.birmingham.ac.uk/news/2026/university-of-birmingham-helps-accelerate-fusion-energy-materials-research-with-clean-air-task-force>

Andrei Khodak receives American Nuclear Society's Outstanding Achievement Award

<https://www.pppl.gov/news/2026/andrei-khodak-receives-american-nuclear-society%E2%80%99s-outstanding-achievement-award>

China Hails Breakthrough in 'Artificial Sun' Project

<https://www.newsweek.com/china-hails-breakthrough-artificial-sun-project-12138881>

China fires up world's biggest superconducting magnet for nuclear fusion project

<https://www.scmp.com/news/china/science/article/3358642/china-fires-worlds-biggest-superconducting-magnet-nuclear-fusion-project>

Mercury, Jupiter, Saturn... Lina Hadid explores the plasmas of the solar system

<https://www.polytechnique.edu/en/news/mercury-jupiter-saturn-lina-hadid-explores-plasmas-solar-system>

First-of-a-kind laser spring opens up new avenues for plasma control

<https://phys.org/news/2026-06-kind-laser-avenues-plasma.html>

CLAS physics and astronomy researcher uncovers surprising behavior in solar storms

<https://physics.uiowa.edu/news/2026/06/clas-physics-and-astronomy-researcher-uncovers-surprising-behavior-solar-storms>

APS Fellow Persis Drell heads DOE science advisory committee

<https://www.aps.org/apsnews/2026/06/persis-drell-science-advisory-committee>

The showy science of fireworks

<https://www.aps.org/apsnews/2026/06/the-showy-science-of-fireworks>

CERN bids farewell to the LHC and enters Long Shutdown 3

<https://home.cern/cern-bids-farewell-to-the-lhc-and-enters-long-shutdown-3/>

More new capacity online at US uranium enrichment plant

<https://www.world-nuclear-news.org/articles/more-new-capacity-online-at-us-uranium-enrichment-plant>

DOE Launches 'Quantum Genesis' Initiative

<https://www.aip.org/fyi/doe-launches-quantum-genesis-initiative>

UTC Quantum Center: collaboration turns quantum discovery into quantum impact

<https://physicsworld.com/a/utc-quantum-center-collaboration-turns-quantum-discovery-into-quantum-impact/>

Nuclear fuel cycle reimagined: Powering the next frontiers from nuclear waste

<https://www.ans.org/news/article-7046/>

[Webinar] Explore the Semiconductor Multiphysics Modelling Webinar Series by COMSOL

<https://www.eurekamagazine.co.uk/content/knowledge-bank/explore-the-semiconductor-multiphysics-modelling-webinar-series-by-comsol>

Recent Peer-Reviewed Articles of Interest

Spatiotemporal shaping of broadband helical light pulses at relativistic intensities

<https://www.nature.com/articles/s41566-026-01948-6>

Tritium supply and demand for fusion: Socioeconomic scenario modelling

<https://www.sciencedirect.com/science/article/pii/S092037962600284X>

Temperature-driven broadening of cyclotron resonance in magnetized relativistic hot plasmas

<https://iopscience.iop.org/article/10.1088/1361-6587/ae8475>

Isoflux plasma shape control under large transient disturbances on EAST via reinforcement learning

<https://iopscience.iop.org/article/10.1088/1741-4326/ae8313>

Axisymmetric global Alfvén eigenmodes in the TCV tokamak

<https://iopscience.iop.org/article/10.1088/1741-4326/ae827b>

[Of Interest]

Filling in the Gaps: AI for Super-Resolution and Diagnostic Recovery

<https://www.energy.gov/science/fes/articles/filling-gaps-ai-super-resolution-and-diagnostic-recovery>

Japan plans sovereign AI model and 10 million AI robots

<https://www.japantimes.co.jp/news/2026/07/01/japan/japan-ai-plans/>

UC Berkeley quantum computing chip to be buried in national time capsule celebrating America's 250th birthday

<https://news.berkeley.edu/2026/06/30/uc-berkeley-quantum-computing-chip-to-be-buried-in-national-time-capsule-celebrating-americas-250th-birthday/>

Geothermal has potential to become backbone of world's energy system

<https://www.eurekalert.org/news-releases/1134230>