

Date: 19 Jun 2026

## **ITER signs agreement with Russia's Kurchatov Institute**

<https://www.iter.org/node/20687/iter-signs-agreement-russias-kurchatov-institute>

[Latest ITER Newline: <https://www.iter.org/whatsnew/504>]

## **US Dept of Energy Fusion Science and Technology Roadmap**

<https://www.energy.gov/fusion/articles/fusion-st-roadmap>

## **NSTX-U magnet bundle is delivered to PPPL and prepared for installation**

<https://www.ans.org/news/2026-06-18/article-8131/nstxu-magnet-bundle-is-delivered-to-pppl-and-prepared-for-installation/>

## **ITER gyrotron installation advances**

<https://www.neimagazine.com/news/iter-gyrotron-installation-advances/>

## **Circular polarization could cut laser backscatter in fusion experiments**

<https://phys.org/news/2026-06-circular-polarization-laser-backscatter-fusion.html>

## **A more reliable way to make the computer chips of the future**

<https://www.pppl.gov/news/2026/more-reliable-way-make-computer-chips-future>

## **Researcher at U.S. Department of Energy's Princeton Plasma Physics Laboratory wins prestigious plasma science prize**

<https://www.pppl.gov/news/2026/researcher-us-department-energy%E2%80%99s-princeton-plasma-physics-laboratory-wins-prestigious>

## **Thea Energy collaborates with AI companies to develop stellarator digital twin**

<https://www.ans.org/news/2026-06-17/article-8128/thea-energy-collaborates-with-ai-companies-to-develop-stellarator-digital-twin/>

## **DOE approves Xcimer's laser fusion power plant design**

<https://www.ans.org/news/article-8111/doe-approves-xcimer-laser-fusion-power-plant-design/>

## **UKAEA commits £20M to UKI2S fund for fusion innovation**

<https://www.niauk.org/ukaea-commits-20m-to-uki2s-fund-for-fusion-innovation/>

## **Helion says it is first US fusion energy firm to clear regulatory licenses**

<https://www.reuters.com/business/energy/helion-says-it-is-first-us-fusion-energy-firm-clear-regulatory-licenses-2026-06-16/>

## **Fusion plant clears regulatory milestone**

<https://www.world-nuclear-news.org/articles/fusion-plant-clears-regulatory-milestone>

## **UK-Japan fusion partnership strengthened by UKAEA and QST**

<https://www.niauk.org/uk-japan-fusion-partnership-strengthened-by-ukaea-and-qst/>

## **Middle East invests in fusion**

<https://www.neimagazine.com/news/middle-east-invests-in-fusion/>

**Students gain firsthand experience at the nexus of fusion science and policy**  
<https://engineering.wisc.edu/blog/students-gain-firsthand-experience-at-the-nexus-of-fusion-science-and-policy/>

**Air Liquide commissions ITER nitrogen plant in France**  
<https://www.gasworld.com/story/air-liquide-commissions-iter-nitrogen-plant-in-france/2252113.article/>

**General Atomics to Design First Full-Scale Fusion Blanket Test Facility**  
<https://www.ga.com/ga-to-design-first-full-scale-fusion-blanket-test-facility>

**Chinese fusion in finance raise**  
<https://www.neimagazine.com/news/chinese-fusion-in-finance-raise/>

**Podcast: Fusion stumped us for a century. Can it fuel the future?**  
<https://cen.acs.org/physical-chemistry/nuclear-chemistry/nuclear-fusion-power-our-future/104/web/2026/06>

**NARI speeding up nuclear fusion, SMR research**  
<https://www.taipeitimes.com/News/front/archives/2026/06/15/2003859106>

**University launches nuclear fission and fusion control room simulator**  
<https://www.world-nuclear-news.org/articles/british-university-launches-nuclear-facility-control-room-simulator>

**HALHF is going all in on plasma acceleration**  
<https://physicsworld.com/a/half-is-going-all-in-on-plasma-acceleration/>

**How math's 'hairy ball theorem' could explain bad hair days**  
<https://www.scientificamerican.com/article/how-maths-hairy-ball-theorem-could-explain-bad-hair-days/>

**Lancaster University launches new £2million nuclear facility control room simulator to deliver key nuclear sector skills**  
<https://www.lancaster.ac.uk/news/lancaster-university-launches-new-2million-nuclear-facility-control-room-simulator-to-deliver-key-nuclear-sector-skills>

**Simple model captures the essential physics of hohlraum**  
<https://www.aip.org/scilights/simple-model-captures-the-essential-physics-of-hohlraum>

**Most precise measurement of the force that binds nuclear matter achieved**  
<https://phys.org/news/2026-06-precise-nuclear.html>

**Machine Learning Models Decode Proton Structure**  
<https://www.anl.gov/pse/machine-learning-models-decode-proton-structure>

**Pallas hot-cell contract signed**  
<https://www.neimagazine.com/news/pallas-hot-cell-contract-signed/>

## FYI – FUSION NEWS/ALERTS

**Building for nuclear's next chapter**

<https://www.neimagazine.com/analysis/building-for-nuclears-next-chapter/>

**LOFAR reveals spike-like repeating radio burst pairs in the solar corona**

<https://phys.org/news/2026-06-lofar-reveals-spike-radio-pairs.html>

**Four-stage pathway proposed for global energy system transformation toward carbon neutrality**

<https://www.eurekalert.org/news-releases/1132299>

**Stephen Streiffer explains why AI, quantum and nuclear technologies will drive the future**

<https://www.scientificamerican.com/article/stephen-streiffer/>

**Ground broken at ORNL for Advanced Testbed and Operations Learning Laboratory**

<https://www.ans.org/news/article-8109/ground-broken-at-ornl-for-advanced-testbed-and-operations-learning-laboratory/>

### **Recent Peer-Reviewed Articles of Interest**

**Preliminary engineering analysis for CN HCCB TBM regarding ITER new baseline scenario**

<https://iopscience.iop.org/article/10.1088/1741-4326/ae7e93>

**Nanoparticle-enhanced continuum emission during early-stage of laser-produced plasma**

<https://iopscience.iop.org/article/10.1088/1361-6455/ae7eb8>

**A Comprehensive Multiphysics Framework for the Predictive Analysis of High-Field REBCO Magnets**

<https://iopscience.iop.org/article/10.1088/1361-6668/ae7d67>

**Impact of electrostatic fast-ion-driven mode on turbulent transport in Wendelstein 7-X**

<https://iopscience.iop.org/article/10.1088/1361-6587/ae7abe>

### **[Of Interest]**

**What people get wrong about scientists**

<https://www.scientificamerican.com/article/distrust-in-science-thrives-on-dangerous-stereotypes/>

**A problem of distance and time**

<https://www.nature.com/articles/s41567-026-03328-x>

**Bob Mumgaard The energy entrepreneur talks about the state of science innovation in the U.S.**

<https://www.scientificamerican.com/article/bob-mumgaard/>

**What is Helium-3 and could we get it from the moon?**

<https://www.bbc.com/news/articles/ce8jmg2e4kro>

**From Cutting-Edge Research to Industry: Focused Energy Plans Spin-Off of Sourcelight**

<https://pressreleasehub.pa.media/article/from-cutting-edge-research-to-industry-focused-energy-plans-spin-off-of-sourcelight-76082.html>

**China to support IPOs by 'future industry' startups, large model companies**

<https://www.reuters.com/legal/government/china-support-ipos-by-future-industry-startups-large-model-companies-2026-06-17/>