

FYI - Fusion News/Alerts

Vacuum vessel assembly - Extreme vigilance, successful installation

<https://www.iter.org/node/20687/extreme-vigilance-successful-installation>

[Latest ITER Newline: <https://www.iter.org/whatsnew/486>]

The Cask Transport System, an automated vehicle ready for ITER assembly

<https://fusionforenergy.europa.eu/news/cask-transport-system-final-acceptance-tests/>

How AI is powering the energy transition – from smart grids to fusion

<https://www.reuters.com/sustainability/climate-energy/how-ai-is-powering-energy-transition-smart-grids-fusion--ecmii-2026-02-02/>

New way of seeing laser interactions could advance fusion energy

<https://news.engin.umich.edu/2026/02/new-way-of-seeing-laser-interactions-could-advance-fusion-energy/>

Bringing fusion energy to the grid using artificial intelligence

<https://www.pppl.gov/news/2026/bringing-fusion-energy-grid-using-artificial-intelligence>

Europe's fusion industry calls for help to commercialise

<https://sciencebusiness.net/news/nuclear-fusion/europes-fusion-industry-calls-help-commercialise>

Godzilla is helping ITER prepare for tokamak assembly

<https://www.ans.org/news/article-7732/godzilla-is-helping-iter-prepare-for-tokamak-assembly/>

TVA, State Regulators and Type One Energy Submit Initial Licensing Application for Tennessee's First Commercial Fusion Project

<https://www.publicpower.org/periodical/article/tva-state-regulators-and-type-one-energy-submit-initial-licensing-application-tennessees-first>

A participatory design builds social acceptance for fusion energy

<https://news.engin.umich.edu/2026/01/a-participatory-design-builds-social-acceptance-for-fusion-energy/>

New grant awarded in collaboration with WMG to develop fusion shielding

<https://warwick.ac.uk/fac/sci/physics/news/?newsItem=8ac672c59c03dd43019c1ecd779069ae>

US, Japanese partnership for fusion technology development

<https://www.world-nuclear-news.org/articles/us-japanese-partnership-for-fusion-technology-development>

Imaginary Energies allows users to design futuristic fission and fusion power plants

<https://www.ans.org/news/article-7730/imaginary-energies-allows-users-to-design-futuristic-fission-and-fusion-power-plants/>

Kashmir Startup Brings Global Plasma Science Home

<https://kashmirobsrver.net/2026/01/30/kashmir-startup-brings-global-plasma-science-home/>

The U.S. needs a national fusion strategy before our lead in energy slips away

<https://www.latimes.com/opinion/story/2026-02-03/u-s-national-fusion-strategy>

Ultrafast Movie Reveals Unexpected Plasma Behavior

<https://physics.aps.org/articles/v19/13>

Making magnetized plasmas in the lab

<https://physicstoday.aip.org/features/making-magnetized-plasmas-in-the-lab>

One-of-a-kind 'plasma tunnel' recreates extreme conditions spacecraft face upon reentry

<https://phys.org/news/2026-02-kind-plasma-tunnel-recreates-extreme.html>

Machine learning designs mirrors for high-power lasers

<https://www.strath.ac.uk/whystrathclyde/news/2026/discoveryindesignmachinelearningdesignsmirrorsforhigh-powerlasers/>

A clearer look at critical materials, thanks to refrigerator magnets

<https://phys.org/news/2026-02-clearer-critical-materials-refrigerator-magnets.html>

DOE announces NEPA exclusion for advanced reactors

<https://www.ans.org/news/2026-02-02/article-7727/doe-announces-nepa-exclusion-for-advanced-reactors/>

Catch a falling star: cosmic dust may reveal how life began, and a Sydney lab is making it from scratch

<https://www.theguardian.com/science/2026/feb/02/cosmic-dust-how-life-on-earth-began-meteorites-sydney-lab>

NextEra eyes nuclear expansion

<https://www.neimagazine.com/news/nextera-eyes-nuclear-expansion/>

The Nuclear Scaling Initiative: What to know

<https://www.ans.org/news/article-7728/the-nuclear-scaling-initiative-what-to-know/>

AI discovers hidden patterns in nuclei

<https://www.anl.gov/pse/ai-discovers-hidden-patterns-in-nuclei>

FIT Webinar on “Realising Fusion: Science, Strategy, and Regulation”

<https://rsis.edu.sg/event/fit-webinar-by-dr-zhisong-qu-dr-mike-gorley-and-mr-ryan-wagner/>

Recent Peer-Reviewed Articles of Interest

Neutron Producing Reactions in Implosion and Direct Heating Experiments of Inertial Confinement Fusion

<https://link.springer.com/article/10.1007/s10894-025-00547-7>

Design of transient plasma photonic structure mirrors for high-power lasers using deep kernel Bayesian optimisation

<https://www.nature.com/articles/s42005-026-02505-x>

[Of Interest]

Five Key IAEA Publications to Watch in 2026

<https://www.iaea.org/newscenter/news/five-key-iaea-publications-to-watch-in-2026>

U.K. physics community braces for deep funding cuts

<https://www.science.org/content/article/u-k-physics-community-braces-deep-funding-cuts>