

Date: 26 Nov 2025

FYI - Fusion News/Alerts

37th ITER Council - Project performing to schedule and cost

<https://www.iter.org/node/20687/project-performing-schedule-and-cost>

Sector module installation - Third of the way there

<https://www.iter.org/node/20687/third-way-there>

[Latest ITER Newline: <https://www.iter.org/whatsnew/478>]

DOE Creates New Fusion Office as Part of Major Reorganization

<https://www.aip.org/fyi/doe-creates-new-fusion-office-as-part-of-major-reorganization>

Tokamak Energy announces magnet breakthrough

<https://www.neimagazine.com/news/tokamak-energy-announces-magnet-breakthrough/>

Pulsar Fusion secures ESA backing for Hall-Effect thruster

<https://www.theengineer.co.uk/content/news/esa-backs-pulsar-fusion-to-progress-hall-effect-thruster>

Startup company looks to develop fusion-powered ships

<https://www.ans.org/news/2025-11-25/article-7580/startup-company-looks-to-develop-fusionpowered-ships/>

International agreement signed for fusion materials research facility

<https://www.world-nuclear-news.org/articles/international-agreement-signed-for-fusion-materials-research-facility>

A compact fusion machine just hit gigapascal pressures

<https://www.sciencedaily.com/releases/2025/11/251120002836.htm>

For Fusion Energy, the Time is Now. The Place is California

<https://today.ucsd.edu/photo-essays/for-fusion-energy-the-time-is-now-the-place-is-california>

To win the fusion race, the US must partner up

<https://www.innovationnewsnetwork.com/how-us-uk-collaboration-can-secure-commercial-fusion-energy/63938/>

Final beam placed at topping-out ceremony for the Princeton Plasma Innovation Center

<https://www.pppl.gov/news/2025/final-beam-placed-topping-out-ceremony-princeton-plasma-innovation-center>

Plasma bursts from young stars could shed light on the early life of the Sun

<https://physicsworld.com/a/plasma-bursts-from-young-stars-could-shed-light-on-the-early-life-of-the-sun/>

Energy Department launches ‘Genesis Mission’ to transform American science and innovation through the AI computing revolution

<https://www.pppl.gov/news/2025/energy-department-launches-%E2%80%98genesis-mission%E2%80%99-transform-american-science-and-innovation>

Accelerator experiment sheds light on missing blazar radiation

<https://physicsworld.com/a/accelerator-experiment-sheds-light-on-missing-blazar-radiation/>

Particle accelerator waste could help produce cancer-fighting materials

<https://phys.org/news/2025-11-particle-cancer-materials.html>

Scientists Created a Particle Accelerator That Fits on a Single Microchip

<https://www.popularmechanics.com/science/a69474545/desktop-synchrotron/>

Jaynes explains why we have seen a recent increase in the Northern Lights

<https://physics.uiowa.edu/news/2025/11/jaynes-explains-why-we-have-seen-recent-increase-northern-lights>

New substitution method enables high-precision nuclear reaction measurements using natural copper

<https://phys.org/news/2025-11-substitution-method-enables-high-precision.html>

Recent Peer-Reviewed Articles of Interest

Who should lead nuclear fusion research? Cross-national evidence on public-private governance preferences in Europe

<https://www.sciencedirect.com/science/article/pii/S2214629625005390>

Multi-scale Interaction Mechanism for Edge-Localized-Mode Suppression in the Tokamak Edge

<https://www.nature.com/articles/s41467-025-66313-7>

High average-flux laser-driven neutron source

<https://www.nature.com/articles/s41467-025-66535-9>

Effect of transverse magnetic field on hot electron and ion fluxes generated by laser interactions with disc-double-coil targets

<https://www.nature.com/articles/s41598-025-28966-8>

Fusion neutronics simulations with RMC: Key capabilities and techniques

<https://www.sciencedirect.com/science/article/pii/S0920379625007276>

Revealing crossed-beam energy transfer as the origin of asymmetric backscattering in hohlraums

<https://www.nature.com/articles/s41467-025-65290-1>

Investigating the Dependence of Normalized Reconnection Rate on Upstream Plasma Parameters

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2025GL118895>

[Of Interest]

AI for Science Strategy

<https://www.gov.uk/government/publications/ai-for-science-strategy/ai-for-science-strategy>

Media Invited to First-ever IAEA International Symposium on Artificial Intelligence and Nuclear Energy

<https://www.iaea.org/newscenter/mediaadvisories/media-invited-to-first-ever-iaea-international-symposium-on-artificial-intelligence-and-nuclear-energy>

Six Global Trends in Nuclear Power You Should Know

<https://www.iaea.org/newscenter/news/six-global-trends-in-nuclear-power-you-should-know>