

FYI - Fusion News/Alerts

International Experience in the Regulation of Fusion Facilities

<https://www.iaea.org/publications/15958/international-experience-in-the-regulation-of-fusion-facilities>

[Download PDF] <https://www-pub.iaea.org/MTCD/Publications/PDF/TE-2115web.pdf>

Diagnostic sensor installation - More than 2,000 supports per sector

<https://www.iter.org/node/20687/more-2000-supports-sector>

Europe's third ITER Vacuum Vessel sector completed

<https://fusionforenergy.europa.eu/news/europes-third-iter-vacuum-vessel-sector-completed/>

Fusion energy: Progress, partnerships, and the path to deployment

<https://www.ans.org/news/article-7700/fusion-energy-progress-partnerships-and-the-path-to-deployment/>

Ten Minutes With Mike Dunne, Co-Founder and CTO of Fusion Power Startup Inertia Enterprises

<https://www.enr.com/articles/62560-ten-minutes-with-mike-dunne-co-founder-and-cto-of-fusion-power-startup-inertia-enterprises>

Who Will Be First To Unlock Nuclear Fusion?

<https://www.forbes.com/sites/drewbernstein/2026/02/12/who-will-be-first-to-unlock-nuclear-fusion/>

Metromecánica wins Fusion Technology Transfer Award

<https://fusionforenergy.europa.eu/news/metromecanica-wins-fusion-technology-transfer-award/amp/>

Europe hands over the first power supply unit to heat ITER

<https://fusionforenergy.europa.eu/news/europe-hands-over-the-first-power-supply-unit-to-heat-iter/>

Kyoto Fusionengineering Launches New R&D Center for Gyrotron Systems in Adogawa, Takashima City, Shiga Prefecture, Japan

<https://kyotofusionengineering.com/en/news/2026/02/25/3771>

OpenStar demonstrates dipole fusion reactor concept

<https://world-nuclear-news.org/articles/openstar-demonstrates-dipole-fusion-reactor-concept>

Magdrive's plasma thruster proves its mettle in first orbital test

<https://aerospaceamerica.aiaa.org/magdrives-plasma-thruster-proves-its-mettle-in-first-orbital-test/>

Inertia secures Series A fusion funding

<https://www.neimagazine.com/news/inertia-secures-series-a-fusion-funding/>

Lowering fusion ignition temperature using turbulent flows

<https://www.aip.org/scilights/lowering-fusion-ignition-temperature-using-turbulent-flows>

Protecting Against Large Damaging Energy Bursts in Fusion Energy Devices

<https://www.energy.gov/science/fes/articles/protecting-against-large-damaging-energy-bursts-fusion-energy-devices>

Spinning Plasma Solves a Long-Standing Fusion Reactor Mystery

<https://scitechdaily.com/spinning-plasma-solves-a-long-standing-fusion-reactor-mystery/>

DOE Prepares Scientific Challenges for Genesis Mission

<https://www.aip.org/fyi/doe-prepares-scientific-challenges-for-genesis-mission>

Machine Learning Advances Plasma Mirror Design for High-Power Lasers

<https://www.photonics.com/Articles/Machine-Learning-Advances-Plasma-Mirror-Design/p5/a71955>

CINEMA mission will explore auroras and Earth's mysterious magnetotail

<https://phys.org/news/2026-02-cinema-mission-explore-auroras-earth.html>

California bill looks to craft advanced nuclear exception to moratorium

<https://www.ans.org/news/2026-02-24/article-7793/california-bill-looks-to-craft-advanced-nuclear-exception-to-moratorium/>

Auroras on Ganymede and Earth share striking similarities

<https://phys.org/news/2026-02-auroras-ganymede-earth-similarities.html>

TRISO pebble life cycle studied in new ORNL, Kairos Power partnership

<https://www.ans.org/news/article-7780/triso-pebble-lifecycle-studied-in-new-ornl-kairos-power-partnership/>

Blue Capsule starts ELISE project

<https://www.neimagazine.com/news/blue-capsule-starts-elise-project/>

NuScale launches AI fuel study

<https://www.neimagazine.com/news/nuscale-launches-ai-fuel-study/>

Slovenia moves ahead with new nuclear planning

<https://world-nuclear-news.org/articles/slovenia-moves-ahead-with-new-nuclear-planning>

Allegations of a Chinese nuclear blast may reignite weapons testing

<https://www.science.org/content/article/allegations-chinese-nuclear-blast-may-reignite-weapons-testing>

Recent Peer-Reviewed Articles of Interest

The performance of REBCO coated conductor during in situ cryogenic irradiation with fusion-spectrum neutrons

<https://iopscience.iop.org/article/10.1088/1361-6668/ae4548>

An overview of 3D field optimization for control of transport and edge instabilities on KSTAR

<https://iopscience.iop.org/article/10.1088/1741-4326/ae4887>

Novel Physics of Escaping Secondary Atmospheres May Shape the Cosmic Shoreline

<https://iopscience.iop.org/article/10.3847/1538-4357/ae2ffa>

Photon Phase-Space Dynamics in a Plasma Wakefield Accelerator

<https://iopscience.iop.org/article/10.1088/1361-6587/ae44cb>

[Of Interest]

Caught in the act: Auburn physicists capture rare comet breakup with Hubble

<https://wire.auburn.edu/content/cosam/2026/02/241200-comet-breakup-hubble.php>

Department of Energy Award to Power Nuclear Research with Machine Learning

<https://research.gatech.edu/department-energy-award-power-nuclear-research-machine-learning>

Nuclear weapons testing is harmful — there's no case for a restart

<https://www.nature.com/articles/d41586-026-00561-5>