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Date: 12 May 2026

Vacuum vessel sector #6 - A soft landing for a giant component
https://www.iter.org/node/20687/soft-landing-giant-component
[Latest ITER Newsline: https://www.iter.org/whatsnew/500-0]

Understanding how lasers can rapidly magnetize fusion plasmas
https://www.pppl.gov/news/2026/understanding-how-lasers-can-rapidly-magnetize-fusion-plasmas

Japan develops ITER tools
https://www.neimagazine.com/news/japan-develops-iter-tools/

UK fusion consortium launches
https://www.neimagazine.com/news/uk-fusion-consortium-launches/
UK Infinity Fusion Consortium launches private fusion initiative
https://www.theengineer.co.uk/content/news/uk-infinity-fusion-consortium-launches-private-fusion-plant
UK-US consortium unveils plan for UK's first commercial fusion power plant
https://eandt.theiet.org/2026/05/07/uk-us-consortium-unveils-plan-uk-s-first-commercial-fusion-power-plant
British-US consortium aims to build UK fusion plant
https://www.world-nuclear-news.org/articles/british-us-consortium-aims-to-build-uk-fusion-plant

How is L&T playing a big role in creating a miniature Sun on Earth?
https://www.businesstoday.in/latest/story/how-is-lt-playing-a-big-role-in-creating-a-miniature-sun-on-earth-530654-2026-05-09

This 1,000 ton magnet can lift an aircraft carrier and drive the future of fusion
https://www.futura-sciences.com/en/this-1000-ton-magnet-can-lift-an-aircraft-carrier-heres-its-true-mission_31292/

Second fusion summit at UW-Madison signals the Midwest's rise as a fusion powerhouse
https://engineering.wisc.edu/news/second-fusion-summit-at-uw-madison-signals-the-midwests-rise-as-a-fusion-powerhouse/

LLNL Experts Help Advance Inertial Fusion Energy at U.S. IFE Conference
https://lasers.llnl.gov/news/llnl-experts-help-advance-inertial-fusion-energy-us-ife-conference

UKAEA launches DICE centre
https://www.neimagazine.com/news/ukaea-launches-dice-centre/

Plasma Harmonics Charts a Course for New Avenues of Attosecond Study
https://www.photonics.com/Articles/Plasma-Harmonics-Charts-a-Course-for-New-Avenues/p5/a72229

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Relativistic plasmas open a route to extreme optical fields
https://www.nature.com/articles/d41586-026-01311-3

Zap Energy expands into fission
https://www.neimagazine.com/news/zap-energy-expands-into-fission/

DOE study supports MTF concept
https://www.neimagazine.com/news/doe-study-supports-mtf-concept/

Nuclear Power's Reboot
https://www.wsj.com/podcasts/whats-news/nuclear-powers-reboot/dc9f25ff-9526-41db-90e6-46d0163e9d2e

How Neutrino Oscillations Affect Supernovae
https://physics.aps.org/articles/v19/66

Gap in neutrino energy spectrum raises questions about cosmic environments
https://physicsworld.com/a/gap-in-neutrino-energy-spectrum-raises-questions-about-cosmic-environments/

Accelerating Nuclear for Energy Generation and Shipping
https://www.niauk.org/accelerating-nuclear-for-energy-generation-and-shipping/

Knoxville company's Oak Ridge nuclear reactor will be used at UK plant
https://www.knoxnews.com/story/money/business/2026/05/09/knoxville-company-type-one-energy-lending-oak-ridge-nuclear-reactor-to-united-kingdom-fusion-plant/89983795007/

ECITB develops welding upskill programme
https://www.niauk.org/ecitb-develops-upskill-programme-amid-47-increase-in-demand-for-welders/

How can India meet its long-term energy needs? An Expert Explains why thorium as nuclear fuel can help
https://indianexpress.com/article/explained/explained-sci-tech/india-thorium-nuclear-programme-energy-security-expert-explains-10682686/

India conducts successful flight-trial of Advanced Agni missile with Multiple Independently Targeted Re-Entry Vehicle system
https://www.pib.gov.in/PressReleasePage.aspx?PRID=2259380&reg=3&lang=2

Recent Peer-Reviewed Articles of Interest

Effects of neon seeding on high-performance deuterium JET-ITER baseline H-mode plasmas: experimental results and modelling
https://iopscience.iop.org/article/10.1088/1361-6587/ae68bd

The Sun as a driver of the inner heliosphere: Modern investigations of fundamental plasma processes
https://www.nature.com/articles/s41467-026-72082-8

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Tracking coherent vibronic and vibrational motions in ultrafast proton transfer
https://www.nature.com/articles/s41467-026-72661-9

Design of the Thomson scattering system for an FRC device
https://iopscience.iop.org/article/10.1088/2058-6272/ae6b1d

[*Of Interest*]

As researchers aim for universal AI disclosure guidelines, the devil is in the details
https://www.science.org/content/article/researchers-aim-universal-ai-disclosure-guidelines-devil-details

AI agents may be skilled researchers—but not always honest ones
https://www.science.org/content/article/ai-agents-may-be-skilled-researchers-not-always-honest-ones

AI is starting to beat doctors at making correct diagnoses
https://www.science.org/content/article/ai-starting-beat-doctors-making-correct-diagnoses

Computer scientist to lead storied DOE lab through 'exciting and threatening' AI revolution
https://www.science.org/content/article/computer-scientist-lead-storied-doe-lab-through-exciting-and-threatening-ai-revolution

SpaceX's AI pivot promises the stars. Could it cost NASA the moon?
https://www.scientificamerican.com/article/why-nasas-artemis-moon-program-could-fall-victim-to-spacexs-ai-ambitions/

Inside NASA's 'very ambitious' moon base plan
https://www.scientificamerican.com/article/inside-nasas-very-ambitious-moon-base-plan/