

## FYI – FUSION NEWS/ALERTS

Date: 15 Jan 2026

### FYI - Fusion News/Alerts

#### **Penetration infilling - Blue goo, good to go**

<https://www.iter.org/node/20687/blue-goo-good-go>

[Latest ITER Newsline: <https://www.iter.org/whatsnew/483>]

#### **Building a Fusion-Ready Workforce: Why STEM and Trades Education Are Key to America's Energy Future**

<https://www.powermag.com/building-a-fusion-ready-workforce-why-stem-and-trades-education-are-key-to-americas-energy-future/>

#### **Going further with fusion, together**

<https://www.pppl.gov/news/2026/going-further-fusion-together>

#### **Japan to let private sector use 3 nuclear fusion R&D sites**

<https://asia.nikkei.com/business/energy/japan-to-let-private-sector-use-3-nuclear-fusion-r-d-sites>

#### **AI accelerates fusion plasma simulation**

<https://www.neimagazine.com/news/ai-accelerates-fusion-plasma-simulation/>

#### **Drop-in events over fusion power plant plans**

<https://www.bbc.com/news/articles/cly3x7pz28mo>

#### **How fusion energy and AI can power the next era of energy demand**

<https://www.weforum.org/stories/2026/01/how-fusion-with-ai-can-help-defeat-the-coming-electricity-crunch/>

#### **Fusion energy to quantum computing: Frontier technologies are already redefining leadership**

<https://www.weforum.org/stories/2026/01/how-frontier-technologies-are-redefining-leadership/>

#### **Nuclear Fusion Research and Development in Japan**

<https://japan-forward.com/nuclear-fusion-research-and-development-in-japan/>

#### **U.S. Department of Energy Certifies Thea Energy's Fusion Pilot Plant Preconceptual Design**

<https://energydigital.com/globenewswire/3217888>

#### **CFS accelerates commercial fusion with Siemens, NVIDIA**

<https://www.world-nuclear-news.org/articles/cfs-accelerates-commercial-fusion-with-siemens-nvidia>

#### **China fusion reactor breaks theoretical density limit**

<https://www.thechemicalengineer.com/news/china-fusion-reactor-breaks-theoretical-density-limit/>

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**FCC Construcción to build Spain's first nuclear fusion research centre**  
<https://www.fccco.com/en/-/fcc-construccion-to-build-spains-first-nuclear-fusion-research-centre>

**Dense Plasma in Fusion Research**

<https://www.lanl.gov/engage/organizations/xcp/xcp-5/dense-matter-theory/types-of-dense-matter/dense-plasma-fusion-research>

**Fusion energy explained: Everything you need to know**

<https://www.innovationnewsnetwork.com/fusion-energy-explained-everything-you-need-to-know/58361/>

**CU Boulder physicists automate plasma alignment for next-generation accelerators**

<https://www.colorado.edu/physics/2026/01/12/cu-boulder-physicists-automate-plasma-alignment-next-generation-accelerators>

**Plasma “Fireballs” at CERN May Explain the Universe’s Missing Light**

<https://scitechdaily.com/plasma-fireballs-at-cern-may-explain-the-universes-missing-light/>

**Scientists spot never-before-seen shock wave around dead star**

<https://www.science.org/content/article/scientists-spot-never-seen-shock-wave-around-dead-star>

**A Chair to train tomorrow's space experts**

<https://www.polytechnique.edu/en/news/chair-train-tomorrows-space-experts>

**Federal sites target microreactors**

<https://www.neimagazine.com/news/federal-sites-target-microreactors/?cf-view>

**Measuring Nuclear Reactions Found Inside Stars**

<https://lasers.llnl.gov/news/measuring-nuclear-reactions-found-inside-stars>

**Comment: The future of nuclear - Powering a secure, low-carbon UK**

<https://www.theengineer.co.uk/content/opinion/comment-the-future-of-nuclear-powering-a-secure-low-carbon-uk>

**The Nuclear Industry’s Race Against the Clock: EPRI Experts on Fleet Optimization, SMRs, and What’s Next**

<https://www.powermag.com/the-nuclear-industrys-race-against-the-clock-epri-experts-on-fleet-optimization-smrs-and-whats-next/>

**NASA, DOE solidify collaboration on a lunar surface reactor**

<https://www.ans.org/news/article-7674/nasa-doe-solidify-collaboration-on-a-lunar-surface-reactor/>

**Solar storms could be forecast by monitoring cosmic rays**

<https://physicsworld.com/a/solar-storms-could-be-forecast-by-monitoring-cosmic-rays/>

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### **Meta's new nuclear deals with Oklo and TerraPower: The details**

<https://www.ans.org/news/article-7672/metas-new-nuclear-deals-with-oklo-and-terrapower-the-details/>

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

#### **Electron neural closure for turbulent magnetosheath simulations: Energy channels**

<https://pubs.aip.org/aip/pop/article/33/1/012901/3377334/Electron-neural-closure-for-turbulent>

#### **Observation of quantum effects on radiation reaction in strong fields**

<https://www.nature.com/articles/s41467-025-67918-8>

### **[Of Interest]**

#### **How the SHANTI Bill redraws nuclear safety, security and liability rules**

<https://www.moneycontrol.com/news/business/how-the-shanti-bill-redraws-nuclear-safety-security-and-liability-rules-13734484.html>

#### **Good technology should change the world**

<https://www.technologyreview.com/2026/01/12/1129770/editors-letter-january-2026/>

#### **Optimism About Nuclear Energy Is Rising Again. Will It Last?**

<https://www.seattletimes.com/business/optimism-about-nuclear-energy-is-rising-again-is-it-warranted/>

#### **Space is becoming an industrial economy**

<https://spacenews.com/space-is-becoming-an-industrial-economy/>