

Date: 03 Sep 2025

### FYI - Fusion News/Alerts

#### **General Atomics celebrates central solenoid completion**

<https://www.iter.org/node/20687/general-atomics-celebrates-central-solenoid-completion>

[Latest ITER Newslines: <https://www.iter.org/whatsnew/467>]

#### **First gyrotron ready for commissioning**

<https://www.iter.org/node/20687/first-gyrotron-ready-commissioning>

#### **Installation of First Japan-Made Gyrotron Completed at ITER**

<https://www.jaif.or.jp/en/news/industry/7626>

#### **Start-up looks to commercialize inertial fusion energy**

<https://www.ans.org/news/article-7330/startup-looks-to-commercialize-inertial-fusion-energy/>

#### **Jeff Lawson and fusion scientists launch startup Inertia**

<https://www.axios.com/pro/climate-deals/2025/08/27/jeff-lawson-inertia-fusion-startup>

#### **Accelerator could produce commercial tritium for fusion from nuclear waste**

<https://www.lanl.gov/media/news/commercial-tritium>

#### **LLNL Researchers Employed an AI-Driven Model to Predict Fusion Ignition Shot**

<https://lasers.llnl.gov/news/llnl-researchers-employed-ai-driven-model-predict-fusion-ignition-shot>

#### **Compressing the Timeline to a Fusion Future**

<https://www.theengineer.co.uk/content/product/compressing-the-timeline-to-a-fusion-future>

#### **In a visit marked by energy, curiosity and applause, U.S. Secretary of Energy Wright visits PPPL**

<https://www.pppl.gov/news/2025/visit-marked-energy-curiosity-and-applause-us-secretary-energy-wright-visits-pppl>

#### **UKAEA funds fusion training with Edinburgh and York universities**

<https://www.niauk.org/ukaea-funds-fusion-training-with-edinburgh-and-york-universities/>

#### **University of York awarded funding for fusion research and training**

<https://www.york.ac.uk/news-and-events/news/2025/research/foster/>

#### **Understand Fusion**

<https://understand-energy.stanford.edu/news/understand-fusion>

#### **New method could monitor corrosion and cracking in a nuclear reactor**

<https://news.mit.edu/2025/new-method-could-monitor-corrosion-and-cracking-nuclear-reactor-0827>

### **Nvidia Joins Google to Fund Commonwealth's Fusion Power Plant**

<https://www.bloomberg.com/news/articles/2025-08-28/nvidia-joins-google-to-fund-commonwealth-s-fusion-power-plant>

### **Neutron detector mobilizes muons for nuclear, quantum material**

<https://www.ornl.gov/news/neutron-detector-mobilizes-muons-nuclear-quantum-material>

### **Investigating the effect of dielectric barrier discharge cold plasma on the aflatoxin removal and the physicochemical properties of sesame seeds**

<https://www.nature.com/articles/s41598-025-17731-6>

### **Watermelon-Shaped Atom Seen Breaking Apart in a Most Unusual Way**

<https://www.sciencealert.com/watermelon-shaped-atom-seen-breaking-apart-in-a-most-unusual-way>

### **New 3D Model Detects Corrosion, Cracking in Nuclear Reactors**

<https://www.tomorrowstoday.com/technology/new-3d-model-detects-corrosion-cracking-in-nuclear-reactors/>

### **This American nuclear company could help India's thorium dream**

<https://www.technologyreview.com/2025/08/29/1122839/this-american-nuclear-company-could-help-indias-thorium-dream/>

### **Direct plasma membrane-to-ER lipid transfer outpaces vesicular trafficking, study reveals**

<https://phys.org/news/2025-09-plasma-membrane-er-lipid-outpaces.html>

### **Watch as solid hydrogen is extruded to feed German stellarator**

<https://www.ans.org/news/article-7333/watch-as-solid-hydrogen-is-extruded-to-feed-german-stellarator/>

### **Nuclear power on the moon: What we're watching**

<https://www.ans.org/news/article-7336/nuclear-power-on-the-moon-what-were-watching/>

### **Scientists Discover Unusual Plasma Waves in Jupiter's Aurora**

<https://www.universetoday.com/articles/scientists-discover-unusual-plasma-waves-in-jupiters-aurora>

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

### **An OpenMC model of the SPARC tokamak for the diagnostic scoping studies**

<https://www.sciencedirect.com/science/article/pii/S0920379625005861>

### **Numerical investigation of antenna position effect on thrust of a radio-frequency plasma thruster with a magnetic cusp**

<https://pubs.aip.org/aip/pop/article/32/9/093501/3361265/Numerical-investigation-of-antenna-position-effect>

[*Of Interest*]

**Where physics meets poetry**

<https://pubs.aip.org/physicstoday/article/78/9/44/3359659/Where-physics-meets-poetryDefying-the-often>

**The successes and challenges of US–Soviet scientific communication**

<https://pubs.aip.org/physicstoday/online/44609/The-successes-and-challenges-of-US-Soviet>