

## FYI – FUSION NEWS/ALERTS

Date: 29 Jan 2026

### FYI - Fusion News/Alerts

#### **Second gyrotron installed on site**

<https://www.iter.org/node/20687/second-gyrotron-installed-site>

[Latest ITER Newsline: <https://www.iter.org/whatsnew/485>]

#### **PPPL launches STELLAR-AI platform to accelerate fusion energy research**

<https://www.pppl.gov/news/2026/pppl-launches-stellar-ai-platform-accelerate-fusion-energy-research>

#### **Europe signs contract to manufacture ITER Neutral Beam Drift Ducts**

<https://fusionforenergy.europa.eu/news/iter-neutral-beam-drift-ducts-contract/>

#### **UKAEA spinout to develop 'high-power' microwaves for fusion**

<https://www.thechemicalengineer.com/news/ukaea-spinout-to-develop-high-power-microwaves-for-fusion/>

#### **Argonne tackles fusion energy challenges with new tools and materials**

<https://www.anl.gov/ntns/article/argonne-tackles-fusion-energy-challenges-with-new-tools-and-materials>

#### **Canada's General Fusion to become publicly traded company**

<https://www.ans.org/news/article-7693/canadas-general-fusion-to-become-publicly-traded-company/>

#### **Next-gen HTSC tested for TRT**

<https://www.neimagazine.com/news/next-gen-htsc-tested-for-trt-tokamak/>

#### **Drone test flights prove possibilities for use in fusion**

<https://world-nuclear-news.org/articles/drone-test-flights-prove-possibilities-for-use-in-fusion>

#### **Fusion Power Associates Honors NIF Target Innovator Abbas Nikroo**

<https://lasers.llnl.gov/news/fusion-power-associates-honors-nif-target-innovator-abbas-nikroo>

#### **ORNL to partner with Type One, UTK on fusion facility**

<https://www.ans.org/news/article-7692/ornl-to-partner-with-type-one-utk-on-fusion-facility/>

#### **Progress in Plasma Wakefield Acceleration: High-quality positron acceleration via nonlinear beam loading in the blowout regime**

<https://www.eurekalert.org/news-releases/1114328>

#### **New experiment reveals quantum behaviour in powerful laser-electron collisions**

<https://www.imperial.ac.uk/news/articles/natural-sciences/physics/2026/imperial-led-study-reveals-new-quantum-insights-in-powerful-laser-electron-collisions-/>

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**Alfvén waves act as the power source behind Earth's auroral displays, research reveals**

<https://phys.org/news/2026-01-alfvn-power-source-earth-auroral.html>

**Five Reasons the Clean Energy Transition Needs Nuclear Power**

<https://www.iaea.org/newscenter/news/five-reasons-the-clean-energy-transition-needs-nuclear-power>

**UK and US nuclear experts sign landmark partnership**

<https://www.niauk.org/uk-and-us-nuclear-experts-sign-landmark-partnership/>

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

**Influence of positive DC bias on discharge regimes in a radio frequency atmospheric pressure plasma jet**

<https://pubs.aip.org/aip/pop/article/33/1/012114/3378192/Influence-of-positive-DC-bias-on-discharge-regimes>

**Pilot full-scale demonstration of a prototype table-top neutron resonance transmission analysis system for nuclear material detection**

<https://www.nature.com/articles/s44172-025-00564-6>

### ***[Of Interest]***

**How Utilities Can Prepare for the AI-Driven Energy Surge**

<https://www.powermag.com/how-utilities-can-prepare-for-the-ai-driven-energy-surge/>

**Global nuclear investment surges**

<https://www.neimagazine.com/news/global-nuclear-investment-surges/>

**‘Rising Star’ prepares to advance nuclear through advocacy-driven leadership**

<https://engineering.wisc.edu/blog/rising-star-prepares-to-advance-nuclear-through-advocacy-driven-leadership/>

**The wait for this energy may be over – endless power, no matter the weather**

<https://www.ecoportal.net/en/nuclear-reactor-supercharge-internet/16506/>