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Date: 11 Nov 2024

**Physicist William Tang wins prestigious award for pioneering work applying artificial intelligence and deep learning to fusion energy research**

<https://www.pppl.gov/news/2024/physicist-william-tang-wins-prestigious-award-pioneering-work-applying-artificial>

**UKIFS takes reigns of the U.K.'s STEP fusion program**

<https://www.ans.org/news/article-6539/ukifs-takes-reigns-of-the-uks-step-fusion-program/>

**In search of the perfect materials for fusion reactors**

<https://www.eurekalert.org/news-releases/1063804>

**Anubal Fusion, India's First Nuclear Fusion Startup Raises Pre-Seed Investment from Speciale Invest**

<https://analyticsindiamag.com/ai-news-updates/anubal-fusion-indias-first-nuclear-fusion-startup-raises-pre-seed-investment-from-speciale-invest/>

**F4E joins global leaders and experts at the World Fusion Energy Group**

<https://fusionforenergy.europa.eu/news/iaea-world-fusion-energy-group-meeting/>

**Large-Scale Screening Reveals Potential Fusion Divertor Materials**

<https://www.technologynetworks.com/analysis/news/large-scale-screening-reveals-potential-fusion-divertor-materials-392944>

**WG on Advanced Reactors Meets First Time in Ten Months to Discuss Nuclear Fusion**

<https://www.jaif.or.jp/en/news/npps/7234>

**World's Largest Fusion Energy Tokamak Device Endorses Sabbagh Research Group Solution Enabling Sustained Fusion Production**

<https://www.apam.columbia.edu/worlds-largest-fusion-energy-tokamak-device-endorses-sabbagh-research-group-solution-enabling>

**First Glimpses of the Neutrino Fog**

<https://physics.aps.org/articles/v17/161>

**US labs collaborate to speed up materials inspections**

<https://www.world-nuclear-news.org/articles/us-labs-collaborate-to-speed-up-materials-inspections>

**Imaging nuclear shapes by smashing them to smithereens**

<https://www.sciencedaily.com/releases/2024/11/241106132223.htm>

**US microreactor company invests in laser enrichment**

<https://www.world-nuclear-news.org/articles/us-microreactor-company-invests-in-laser-enrichment>

**Rosatom 3D-prints first part for use in a nuclear facility**

## FYI – FUSION NEWS/ALERTS

<https://world-nuclear-news.org/articles/rosatom-3d-prints-first-part-for-use-in-a-nuclear-facility>

**WEF identifies steps needed for deployment of advanced nuclear**

<https://www.world-nuclear-news.org/articles/wef-identifies-steps-needed-for-deployment-of-advanced-nuclear>

**[Of Interest] We Need Scientific Brainstorming about Shared Global Dangers**

<https://www.scientificamerican.com/article/we-need-scientific-brainstorming-about-shared-global-dangers/>

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

**Experimental Study of Alfvén Wave Reflection from an Alfvén-speed Gradient Relevant to the Solar Coronal Holes**

<https://iopscience.iop.org/article/10.3847/1538-4357/ad528f>

**Ion-acoustic solitons in a relativistic Fermi plasma at finite temperature**

<https://www.nature.com/articles/s41598-024-75051-7>

**ST40 electromagnetic predictive studies supported by machine learning applied to experimental database**

<https://www.nature.com/articles/s41598-024-75798-z>