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Date: 24 Jan 2025

Chinese "artificial sun" sets milestone record towards fusion power generation

<https://www.eurekalert.org/news-releases/1071083>

[Video] https://english.cas.cn/newsroom/multimedia_news/202501/t20250122_899195.shtml

Nuclear fusion: it's time for a reality check

<https://www.theguardian.com/science/2025/jan/22/nuclear-fusion-its-time-for-a-reality-check>

New material proposed in TRT tokamak project

<https://www.world-nuclear-news.org/articles/new-material-shows-promise-for-tokamak>

Fusion fired up? Milestones met and six FIRE Collaboratives named

<https://www.ans.org/news/article-6698/fusion-fired-up-milestones-met-and-six-fire-collaboratives-named/>

Private companies aim to demonstrate working fusion reactors in 2025

<https://www.science.org/content/article/private-companies-aim-demonstrate-working-fusion-reactors-2025>

Pioneering Fusion Energy: the role of Eni, a global energy-tech company

<https://www.euractiv.com/section/eet/opinion/pioneering-fusion-energy-the-role-of-eni-a-global-energy-tech-company/>

UK announces shortlist for STEP's industry partners

<https://www.neimagazine.com/news/advanced-reactors-fusion/uk-announces-shortlist-for-steps-industry-partners/>

Nuclear fusion: 9 key moments from the journey so far

<https://spectra.mhi.com/nuclear-fusion-9-key-moments-from-the-journey-so-far>

High power gyrotron set for ST40 tokamak installation

<https://www.world-nuclear-news.org/articles/high-power-gyrotron-set-for-st40-tokamak-installation>

SMART, One Step Closer To Nuclear Fusion With Its First Plasma

<https://www.eurasiareview.com/22012025-smart-one-step-closer-to-nuclear-fusion-with-its-first-plasma/>

SMART (SMall Aspect Ratio Tokamak) spherical tokamak produces its first plasma

<https://physicsworld.com/a/smart-spherical-tokamak-produces-its-first-plasma/>

CRANE program offers teachings on computational methods in nuclear fusion

<https://www.ans.org/news/article-6702/crane-program-offers-teachings-on-computational-methods-in-nuclear-fusion/>

S&TR Magazine Highlights the Inertial Confinement Fusion (ICF) Program

<https://space-science.llnl.gov/article/21281/GET>

UKAEA to invest £200m to advance fusion fuel development

<https://www.neimagazine.com/news/ukaea-to-invest-200m-to-advance-fusion-fuel-development/>

Fusion Tech Company Opens New HQ and Lab in Kearny

<https://njbmagazine.com/njb-news-now/fusion-tech-company-opens-new-hq-and-lab-in-kearny/>

Analysis and Modelling of Severe Accidents for Liquid Metal Fast Reactors

<https://www.iaea.org/publications/15832/analysis-and-modelling-of-severe-accidents-for-liquid-metal-fast-reactors>

[View/Download PDF] <https://www-pub.iaea.org/MTCD/Publications/PDF/TE-2079web.pdf>

EDF revamps Nuward SMR design

<https://www.neimagazine.com/news/advanced-reactors-fusion/edf-revamps-nuward-smr-design/>

Russia discussing new nuclear energy units with Iran

<https://world-nuclear-news.org/articles/russia-discussing-new-nuclear-energy-units-with-iran>

Chorus Waves Detected in Deep Space

<https://physics.uiowa.edu/news/2025/01/chorus-waves-detected-deep-space>

Bechtel secures US Navy nuclear propulsion contract

<https://www.neimagazine.com/news/bechtel-secures-us-navy-nuclear-propulsion-contract/>