FYI – FUSION NEWS/ALERTS

Date: 28 Apr 2026

Vigyan Dhara – April 2026 Edition on 'MSV-2035: Nuclear Physics | Accelerator S&T and applications' is out now!
https://www.psa.gov.in/CMS/web/sites/default/files/publication/VD-MSV.pdf

Japan is developing tooling for initial blanket assembly
https://www.iter.org/node/20687/japan-developing-tooling-initial-blanket-assembly
[Latest ITER Newsline: https://www.iter.org/whatsnew/498]

Fusion research tackles fuel and instrumentation challenges
https://www.ans.org/news/2026-04-27/article-7985/fusion-research-tackles-fuel-and-instrumentation-challenges/

Inertia, LLNL team on laser fusion
https://www.neimagazine.com/news/inertia-llnl-team-on-laser-fusion/

Will fusion power get cheap? Don't count on it.
https://www.technologyreview.com/2026/04/23/1136329/fusion-power-cost/

Microsoft AI demands more power. Can a WA fusion company supply it?
https://www.seattletimes.com/seattle-news/climate-lab/microsoft-ai-demands-more-power-can-a-wa-fusion-company-supply-it/

Next-generation algorithms could move fusion from the lab to the grid
https://research.ibm.com/blog/fusion-plasma-ai-model

First Light Fusion announces £25m successful first close of new funding round
https://www.niauk.org/first-light-fusion-announces-25m-successful-first-close-of-new-funding-round/

FLARE concept attracts major investment
https://www.neimagazine.com/news/flare-concept-attracts-major-investment/

ITER vacuum vessel exempted from fission-based regulation
https://www.ans.org/news/article-7971/iter-vacuum-vessel-exempted-from-fissionbased-regulation/

The dirtiest words in fusion and fission
https://physicsworld.com/a/the-dirtiest-words-in-fusion-and-fission/

AI just discovered new physics in the fourth state of matter
https://www.sciencedaily.com/releases/2026/04/260422044635.htm

DuctGPT demonstrates how AI can accelerate discovery of next-generation fusion materials
https://phys.org/news/2026-04-ductgpt-ai-discovery-generation-fusion.html

Laser-plasma 'mirror' unlocks a new path to extreme light intensities
https://phys.org/news/2026-04-laser-plasma-mirror-path-extreme.html

FYI – FUSION NEWS/ALERTS

A new route for plasma-based particle accelerators
https://phys.org/news/2026-04-route-plasma-based-particle.html

First Signs of Quark–Gluon Plasma in Oxygen–Oxygen Collisions
https://physics.aps.org/articles/v19/s58

DOE turns to private sector to build out spent nuclear fuel recycling
https://www.ans.org/news/article-7974/doe-turns-to-private-sector-to-build-out-spent-nuclear-fuel-recycling/

Investigating matter in the universe's most extreme conditions
https://www.eurekalert.org/news-releases/1125503

CSU tops out one of world's most advanced laser research facilities, on track for 2026 completion
https://source.colostate.edu/csu-tops-out-one-of-worlds-most-advanced-laser-research-facilities-on-track-for-2026-completion/

CEO and CFO of Fermi America step down
https://www.ans.org/news/article-7967/ceo-and-cfo-of-fermi-america-step-down/

Air Force selects three microreactor developers for ANPI
https://www.ans.org/news/article-7972/air-force-selects-three-microreactor-developers-for-anpi/

New technology, new training
https://www.neimagazine.com/analysis/training-recruitment-analysis/new-technology-new-training/

DOE RFI probes barriers to space reactor production
https://www.ans.org/news/article-7976/doe-rfi-probes-barriers-to-space-reactor-production/

Neural network speeds tuning of attosecond light pulses for physics experiments
https://phys.org/news/2026-04-neural-network-tuning-attosecond-pulses.html

Recent Peer-Reviewed Articles of Interest

Theoretical study of the surface diffuseness anomaly in heavy ion fusion reactions: Introducing a new universal function for the nuclear proximity potential
https://journals.aps.org/prc/abstract/10.1103/yry9-6gcx

[*Of Interest*]

Thousands of shady ads sell paper authorship for cash, large-scale investigation finds
https://www.science.org/content/article/thousands-shady-ads-sell-paper-authorship-cash-large-scale-investigation-finds

FYI – FUSION NEWS/ALERTS

DOE Proposes Boosts for Supercomputers, Cuts to Research
https://www.aip.org/fyi/doe-proposes-boosts-for-supercomputers-cuts-to-research

Can Starship succeed where the space shuttle struggled?
https://www.science.org/content/article/can-starship-succeed-where-space-shuttle-struggled