

Date: 07 Jan 2025

In memoriam: R Chidambaram, a world-class physicist who shaped India's nuclear weapons programme

https://m.economictimes.com/news/india/r-chidambaram-a-world-class-physicist-who-shaped-indias-nuclear-weapons-programme/amp_articleshow/116939277.cms

UK fusion opportunity report calls for action

<https://www.neimagazine.com/news/uk-fusion-opportunity-report-calls-for-action/>

Focused Energy and Amplitude ink laser fusion deal

<https://www.neimagazine.com/news/focused-energy-and-amplitude-ink-laser-fusion-deal/>

The Future of Fusion: Q&A with University of Tennessee Nuclear Researchers Ane Lasa and Sophie Blondel

<https://research.utk.edu/oried/2025/01/06/the-future-of-fusion-qa-with-university-of-tennessee-nuclear-researchers-ane-lasa-and-sophie-blondel/>

New institute established to boost electric propulsion technologies

<https://wmich.edu/engineer/news/2025/01/spar-institute>

New UVA professor's research may boost next-generation space rockets

<https://www.eurekalert.org/news-releases/1069451>

India's NPCIL seeks proposals for privately funded small reactor projects

<https://www.world-nuclear-news.org/articles/npcil-seeks-proposals-for-privately-funded-small-reactor-projects>

UK's National Nuclear Laboratory restructure

<https://www.neimagazine.com/news/uks-national-nuclear-laboratory-restructure/>

Work starts on Taiwanese fuel storage facility

<https://www.world-nuclear-news.org/articles/work-starts-on-taiwanese-fuel-storage-facility>

Russia's Brest reactor fuel plant begins pilot operation

<https://www.neimagazine.com/news/russias-brest-reactor-fuel-plant-begins-pilot-operation/>

Framatome installs 3D-printed fuel at Ringhals 4

<https://www.neimagazine.com/news/framatome-installs-3d-printed-fuel-at-ringhals-4/>

Recent Peer-Reviewed Articles of Interest

Effect of energetic ions on edge-localized modes in tokamak plasmas

<https://www.nature.com/articles/s41567-024-02715-6>

Determinants of vacancy formation and migration in high-entropy alloys

<https://www.science.org/doi/10.1126/sciadv.adr4697>

Ultrawide bandgap semiconductor h-BN for direct detection of fast neutrons

<https://pubs.aip.org/aip/apm/article/13/1/011101/3329150/Ultrawide-bandgap-semiconductor-h-BN-for-direct>

Next-generation neutron detection using a ^6Li glass scintillator composite

<https://www.nature.com/articles/s42005-024-01903-3>

Demonstration of active neutron interrogation of special nuclear materials using a high-intensity short-pulse-laser-driven neutron source

<https://www.nature.com/articles/s41598-024-82641-y>

Collision characteristics of neutral and highly charged droplets in uniform electric fields

<https://pubs.aip.org/aip/pof/article/37/1/012005/3329259/Collision-characteristics-of-neutral-and-highly>