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Date: 18 Feb 2025

India's contributions to ITER

<https://www.iter.org/node/20687/indias-contributions-iter>

[Latest ITER Newline: <https://www.iter.org/whatsnew/448>]

INOX India welcomes PM Modi's visit to ITER Project at Cadarache, France

<https://www.indianchemicalnews.com/energy/inox-india-welcomes-pm-modis-visit-to-iter-project-at-cadarache-france-25127>

Innovative fusion computer program receives national achievement award

<https://www.pppl.gov/news/2025/innovative-fusion-computer-program-receives-national-achievement-award>

Global Efforts Push for a Nuclear Fusion Future

<https://eepower.com/news/global-efforts-push-for-a-nuclear-fusion-future/>

Gauging Edge Instabilities in Future Fusion Reactors

<https://physics.aps.org/articles/v18/33>

Nurturing nuclear power in India

<https://www.currentscience.ac.in/Volumes/128/03/0240.pdf>

Type One Energy inks expanded fusion development deal with TVA

<https://www.ans.org/news/article-6760/type-one-energy-inks-expanded-fusion-development-deal-with-tva/>

NERS and MIBL launch new fusion materials programs

<https://ners.engin.umich.edu/2025/02/14/ners-and-mibl-launch-new-fusion-materials-programs/>

Japan launches world's largest experimental nuclear fusion reactor

<https://www.nuclearasia.com/feature/japan-launches-worlds-largest-experimental-nuclear-fusion-reactor/5679/>

JWST Spies a Giant Space Hamburger—and Maybe Planetary Origins, Too

<https://www.scientificamerican.com/article/jwst-spies-a-giant-space-hamburger-and-maybe-planetary-origins-too/>

Japan accelerator pursues nanobeams to boost luminosity

<https://pubs.aip.org/physicstoday/online/44027/Japan-accelerator-pursues-nanobeams-to-boost>

Joint IAEA–Consultative Committee for Ionizing Radiation Workshop on Neutron Beams at High Energy: Applications and Metrology

<https://www.iaea.org/events/evt2402522>

[Of Interest] What are the best AI tools for research? Nature's guide

<https://www.nature.com/articles/d41586-025-00437-0>

Recent Peer-Reviewed Articles of Interest

Comprehensive assessment of nuclear heating in ITER superconducting magnets using a full-tokamak 360° model

<https://www.sciencedirect.com/science/article/pii/S092037962500081X>

Comparative study of magnetic reconnection rates in ASDEX Upgrade and EAST tokamaks

<https://pubs.aip.org/aip/pop/article/32/2/022506/3336082/Comparative-study-of-magnetic-reconnection-rates>

Impact of electron cyclotron wave resonance plasma on defect reduction in ZnO thin films

<https://www.nature.com/articles/s41598-025-88921-5>

Modulation effect of the plasma radial uniformity in dual-frequency inductively coupled plasma by external magnetic field

<https://pubs.aip.org/aip/pop/article/32/2/023507/3335900/Modulation-effect-of-the-plasma-radial-uniformity>