

Date: 29 May 2024

Training Scientists in Fusion Energy

<https://www.ictp.it/news/2024/5/training-scientists-fusion-energy>

Public-Private - Birth of a truly global fusion community

<https://www.iter.org/newsline/-/4042>

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

ITER in drive to share knowhow with private sector

<https://sciencebusiness.net/news/r-d-funding/iter-drive-share-knowhow-private-sector>

Apple versus doughnut: How the shape of a tokamak impacts the limits of the edge of the plasma

<https://www.pppl.gov/news/2024/apple-versus-doughnut-how-shape-tokamak-impacts-limits-edge-plasma>

FIA Provides Recommendations for Euratom Research and Training Programme

<https://www.fusionindustryassociation.org/fia-provides-recommendations-for-euratom-research-and-training-programme/>

Magnetically Drawn to Science

<https://www.energy.gov/doe-stem/articles/magnetically-drawn-science>

First deliveries to light ITER's Neutral Beams

<https://fusionforenergy.europa.eu/news/first-deliveries-to-light-iters-neutral-beams/>

ITER cryopump passes factory acceptance tests

<https://www.neimagazine.com/news/advanced-reactors-fusion/iter-cryopump-passes-factory-acceptance-tests/>

Researchers unveil tritium release behavior of solid breeder irradiated with fusion neutron

<https://phys.org/news/2024-05-unveil-tritium-behavior-solid-breeder.html>

Researchers create new type of composite material for shielding against neutron and gamma radiation

<https://phys.org/news/2024-05-composite-material-shielding-neutron-gamma.html>

We've Finally Seen Matter Plunge into a Black Hole

<https://www.scientificamerican.com/article/black-holes-mysterious-plunging-region-matches-einsteins-predictions/>

From astronaut health to space weather: the discoveries changing our understanding of the universe

<https://www.theguardian.com/driving-change-inspiring-potential/article/2024/may/24/from-astronaut-health-to-space-weather-the-discoveries-changing-our-understanding-of-the-universe>

[Of Interest] Pay researchers to spot errors in published papers

<https://www.nature.com/articles/d41586-024-01465-y>

Recent Peer-Reviewed Articles of Interest

Directly driven magnetized fast-ignition targets with steep density gradients for inertial fusion energy

<https://pubs.aip.org/aip/pop/article/31/5/050704/3294555/Directly-driven-magnetized-fast-ignition-targets>

Investigation of hydrogen generation from the reaction of beryllium pebbles with water vapor for WCCB-TBM

<https://www.sciencedirect.com/science/article/pii/S2352179124000656>

Optimization of laser-driven quantum beam generation and the applications with artificial intelligence

<https://pubs.aip.org/aip/pop/article/31/5/053108/3295205/Optimization-of-laser-driven-quantum-beam>

The LiFIRE experimental facility: Final design, construction and experimental campaign

<https://www.sciencedirect.com/science/article/pii/S0920379624000978>