

Date: 18 Jun 2025

### FYI - Fusion News/Alerts

#### **Innovative investments fuel a growing supply chain**

<https://www.iter.org/node/20687/innovative-investments-fuel-growing-supply-chain>

[Latest ITER Newslines: <https://www.iter.org/whatsnew/461>]

#### **European systems ready to power Japanese gyrotrons in JT-60SA**

<https://fusionforenergy.europa.eu/news/jt60sa-power-supplies/>

#### **Fusion and AI: How private sector tech is powering progress at ITER**

<https://www.computerweekly.com/news/366625677/Fusion-and-AI-How-private-sector-tech-is-powering-progress-at-ITER>

#### **Commission advances on the modernisation of EU-Switzerland relations**

[https://ec.europa.eu/commission/presscorner/detail/en/ip\\_25\\_1476](https://ec.europa.eu/commission/presscorner/detail/en/ip_25_1476)

#### **UI-Led Pathfinder Project Highlighted in NASA Heliophysics Report**

<https://physics.uiowa.edu/news/2025/06/ui-led-pathfinder-project-highlighted-nasa-heliophysics-report>

#### **German fusion energy firm Proxima Fusion secures \$150m financing**

<https://www.power-technology.com/news/proxima-fusion-secures-150m-financing/>

#### **UC discusses future of high-energy physics**

<https://www.uc.edu/news/articles/2025/06/uc-hosts-physics-workshop-on-neutrino-research.html>

#### **UW-Madison spinoff Type One Energy achieves milestone for fusion power plant**

<https://engineering.wisc.edu/news/uw-madison-spinoff-type-one-energy-achieves-milestone-for-fusion-power-plant/>

### ***Recent Peer-Reviewed Articles of Interest***

#### **Dust-acoustic nonlinear periodic waves in a two-ion dusty plasma with dust charge variation: Application to Saturn's magnetosphere**

<https://pubs.aip.org/aip/pop/article/32/6/063704/3349896/Dust-acoustic-nonlinear-periodic-waves-in-a-two>

#### **Nonlocal, diamagnetic electromagnetic effects in magnetically insulated transmission lines**

<https://pubs.aip.org/aip/pop/article/32/6/062707/3350319/Nonlocal-diamagnetic-electromagnetic-effects-in>

#### **Detailed simulations of the first deuterium-tritium-filled double shell implosions on the National Ignition Facility**

<https://pubs.aip.org/aip/pop/article/32/6/062706/3350320/Detailed-simulations-of-the-first-deuterium>

## FYI – LIBRARY NEWS/ALERTS

**Velocity-space signatures of shock-drift acceleration at quasi-perpendicular collisionless shocks**

<https://pubs.aip.org/aip/pop/article/32/6/062904/3349900/Velocity-space-signatures-of-shock-drift>

**Ponderomotive electron physics captured in a single-fluid extended magnetohydrodynamics model**

<https://pubs.aip.org/aip/pop/article/32/6/063906/3350006/Ponderomotive-electron-physics-captured-in-a>

**Irradiation-induced gas production in REBCO-based magnet materials used for future compact fusion reactors**

<https://pubs.aip.org/aip/jap/article/137/23/235101/3350016/Irradiation-induced-gas-production-in-REBCO-based>

**Guidance of vortex beams in curved plasma channels**

<https://pubs.aip.org/aip/pop/article/32/6/063107/3350013/Guidance-of-vortex-beams-in-curved-plasma-channels>

**[Of Interest]**

**Minister Dr. Jitendra Singh announces policy reforms to enhance the 'Ease of Innovation', 'Ease of Research' and 'Ease of Science'**

<https://www.pib.gov.in/PressReleasePage.aspx?PRID=2136460>

**'Can't get you out of my head': using earworms to teach physics**

<https://physicsworld.com/a/cant-get-you-out-of-my-head-using-earworms-to-teach-physics/>