

Date: 02 July 2024

## **Historic ITER multinational fusion energy project marks completion of its most complex magnet system**

<https://www.eurekalert.org/news-releases/1049956>

## **How do we protect the wall of a Fusion Reactor? ‘By simply looking with a camera we can learn a whole lot’**

<https://www.differ.nl/news/tijs-wijkamp>

## **New Lattice Confinement Fusion Power Reactors May Eliminate 95% of SNF**

<https://www.ans.org/news/article-6133/new-lattice-confinement-fusion-power-reactors-may-eliminate-95-of-snf/>

## **JT-60SA: Transitioning from Construction to Scientific Exploitation**

[https://euro-fusion.org/eurofusion-news/jt60sa\\_01/](https://euro-fusion.org/eurofusion-news/jt60sa_01/)

## **Fusion future: A tale of two nuclear reactions**

<https://www.laserfocusworld.com/lasers-sources/article/55001679/fusion-future-a-tale-of-two-nuclear-reactions>

## **ITER fusion project sets new 2035 start date**

<https://www.neimagazine.com/news/iter-fusion-project-sets-new-2035-start-date/>

## **China reports fusion breakthrough with HH70 Tokamak**

<https://www.neimagazine.com/news/china-reports-fusion-breakthrough-with-hh70-tokamak/>

## **Mitigating tokamak plasma disruption bags Plasma Physics and Controlled Fusion Outstanding Paper Prize**

<https://physicsworld.com/a/mitigating-tokamak-plasma-disruption-bags-plasma-physics-and-controlled-fusion-outstanding-paper-prize/>

## **Informing Tokamak Design with State-of-the-Art Physics Modeling**

<https://www.apam.columbia.edu/informing-tokamak-design-state-art-physics-modeling>

## **Behind the Fusion Scene: Reuben Holmes**

<https://kyotofusioneering.com/en/news/2024/06/27/2458>

## **Making the Toroidal Field Coils video (VIDEO)**

<https://www.eurekalert.org/multimedia/1032853>

## **Scaling laws show paths for improving nuclear fusion yields**

<https://ww2.aip.org/scilights/scaling-laws-show-paths-for-improving-nuclear-fusion-yields>

### **Simulating nuclear magnetic resonance can help identify water and oil within porous rock**

<https://ww2.aip.org/scilights/simulating-nuclear-magnetic-resonance-can-help-identify-water-and-oil-within-porous-rock>

### **A perfect place for physics**

<https://www.mpg.de/22137904/max-planck-institute-for-physics-new-building-garching>

### **NANO Nuclear acquires novel nuclear cooling technology for microreactors**

<https://www.neimagazine.com/news/nano-nuclear-acquires-novel-nuclear-cooling-technology-for-microreactors/>

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

### **Supergranular-scale solar convection not explained by mixing-length theory**

<https://www.nature.com/articles/s41550-024-02304-w>

### **Quasi-Isodynamic Stellarators with Low Turbulence as Fusion Reactor Candidates**

<https://journals.aps.org/prxenergy/abstract/10.1103/PRXEnergy.3.023010>

### **A Reference Governor for Plasma-Shape Control in Tokamaks**

<https://ieeexplore.ieee.org/document/10253265>

*[Need full-text? Request to the library]*

### **Dipole-driven multidimensional fusion: An insightful approach to the formation of superheavy nuclei**

<https://journals.aps.org/prc/abstract/10.1103/PhysRevC.109.L061603>

### **Engineering design and analysis of the root joints for the CFETR multi-purpose overload robot**

<https://www.sciencedirect.com/science/article/abs/pii/S0920379624004101>