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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/

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-fusionyields

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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 multipurpose overload robot

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