FYI - FUSION NEWS/ALERTS

Date: 27 Nov 2024

Support for baseline approach

https://www.iter.org/node/20687/support-baseline-approach

35th ITER Council Meeting: Support for the overall approach for the proposed updated Baseline; strong project execution in 2024

[Press Release] https://www.iter.org/sites/default/files/media/2024-11/ic-35_press_release_final.pdf

An increasing interest in ITER and fusion

https://www.iter.org/node/20687/increasing-interest-iter-and-fusion [Latest ITER Newsline: https://www.iter.org/whatsnew]

ITER consortium signs major engineering contract

https://www.neimagazine.com/news/iter-consortium-signs-major-engineering-contract/

F4E delivers electronics to monitor ITER's magnetic field

https://fusionforenergy.europa.eu/news/electronics-iter-magnetic-field-diagnostics/

Korea completes production of core vacuum vessel sectors for int'l nuclear fusion research project

https://www.koreatimes.co.kr/www/nation/2024/11/113_386872.html

The Inside Story of Google's Quiet Nuclear Quest

https://spectrum.ieee.org/google-nuclear-energy

Fusion is needed for European autonomy, says new industry body

https://sciencebusiness.net/news/nuclear-fusion/fusion-needed-european-autonomy-says-new-industry-body

Laser Diode Module Powers Fusion Research

https://www.electronicsforu.com/news/laser-diode-module-powers-fusion-research

Japan's superalloys withstand 1112°F test to protect nuclear fusion reactors https://interestingengineering.com/science/alloy-nuclear-fusion-reactor-protection-japan

How Magnetic Waves Become Heat in Earth's Magnetosphere

https://physics.aps.org/articles/v17/168

How the sun heals after plasma eruption: New findings on coronal dimmings https://phys.org/news/2024-11-sun-plasma-eruption-coronal-dimmings.html

General Fusion confirms significant fusion neutron yield and plasma stability during MTF compression experiment series with new peer-reviewed publication

https://generalfusion.com/post/general-fusion-confirms-significant-fusion-neutron-yield-and-plasma-stability-during-mtf-compression-experiment-series-with-new-peer-reviewed-publication/

FYI - FUSION NEWS/ALERTS

Los Alamos National Laboratory chief engineer joins nuclear fusion startup Fuse

https://www.reuters.com/business/energy/los-alamos-national-laboratory-chief-engineer-joins-nuclear-fusion-startup-fuse-2024-11-21/

Guido Pizzella: a visionary pioneer in gravitational wave research

https://www.italia-news.it/en/guido-pizzella-a-visionary-pioneer-in-gravitational-wave-research-65101.html

Harnessing Nuclear Technology in the Service of Humankind — Together

https://www.iaea.org/bulletin/harnessing-nuclear-technology-in-the-service-of-humankind-together

ORNL director provides update on fast-growing lab

https://www.oakridger.com/story/news/local/2024/11/26/ornl-director-provides-update-on-fast-growing-lab/76569064007/

An Insanely High-Resolution Image of the Sun

https://www.universetoday.com/169905/an-insanely-high-resolution-image-of-the-sun/

Al solution deployed at Diablo Canyon

https://www.neimagazine.com/news/ai-solution-deployed-at-diablo-canyon/

Strategic partnership plans to develop advanced nuclear energy in South Africa

https://www.world-nuclear-news.org/articles/strategic-partnership-plans-to-develop-advanced-nuclear-energy-in-south-africa

How will artificial intelligence transform energy innovation?

https://www.iea.org/commentaries/how-will-artificial-intelligence-transform-energy-innovation

Westinghouse, Core Power join forces for floating nuclear power plant

https://www.world-nuclear-news.org/articles/westinghouse-core-power-join-forces-for-floating-nuclear-power-plant

China's first commercial nuclear district heating scheme expands

https://www.world-nuclear-news.org/articles/chinas-first-commercial-nuclear-district-heating-scheme-expands

Lightning in a Bottle: Embry-Riddle Team Seeks the Origins of Its Spark

https://news.erau.edu/headlines/lightning-in-a-bottle-embry-riddle-team-seeks-the-origins-of-its-spark

FYI - FUSION NEWS/ALERTS

Recent Peer-Reviewed Articles of Interest

Development of a novel method to characterize shock waves interaction with solid objects

https://www.nature.com/articles/s41598-024-79220-6

Novel high temperature tritium blanket designs for confined spaces in spherical tokamak fusion reactors

https://www.sciencedirect.com/science/article/pii/S0920379624005830

Physics of exotic nuclei

https://www.nature.com/articles/s42254-024-00782-5