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Date: 19 June 2024

Cryopumps - First unit reaches ITER

<https://www.iter.org/newsline/-/4048>

Latest ITER Newline: <https://www.iter.org/whatsnew>

Fusion energy – an EU flagship investment for green transition

<https://fusionforenergy.europa.eu/news/fusion-energy-an-eu-flagship-investment-for-green-transition/>

25 years of massive fusion energy experiment data completely open on the “cloud”, to be available to everyone

<https://www.eurekalert.org/news-releases/1048092>

Jolt of energy for fusion research

<https://www.llnl.gov/article/28866/jolt-energy-fusion-research>

Casper attracted to magnetic fusion experiment

<https://www.llnl.gov/article/32936/casper-attracted-magnetic-fusion-experiment>

“Our priority remains excellence”

https://euro-fusion.org/member-news/spc_paolo_ricci/

A step towards nuclear fusion as an energy and heat source

<https://www.tue.nl/en/news-and-events/news-overview/18-06-2024-a-step-towards-nuclear-fusion-as-an-energy-and-heat-source>

EPS Energy Group meeting: Gazing on nuclear fusion future

<https://www.eps.org/blogpost/751263/502055/EPS-Energy-Group-meeting-Gazing-on-nuclear-fusion-future>

General Atomics Scientists Achieve Key Requirement for Economic Fusion Energy

<https://www.ga.com/ga-scientists-achieve-key-requirement-for-economic-fusion-energy>

CNL announces programmes to speed fusion deployment

<https://www.world-nuclear-news.org/Articles/CNL-announces-programmes-to-speed-fusion-deploymen>

Pair plasmas found in deep space can now be generated in the lab

<https://phys.org/news/2024-06-pair-plasmas-deep-space-generated.html>

Researchers generate black hole ‘plasma fireballs’ on Earth

<https://www.ox.ac.uk/news/2024-06-14-researchers-generate-black-hole-plasma-fireballs-earth>

Investigating plasma deviations inside nuclear fusion reactors

<https://phys.org/news/2024-06-plasma-deviations-nuclear-fusion-reactors.html>

FYI – FUSION NEWS/ALERTS

House Passes Annual Defense Bill Alongside Guidance Report Including Fusion

<https://www.fusionindustryassociation.org/house-passes-annual-defense-bill-alongside-guidance-report-including-fusion/>

Bringing black hole jets down to Earth

<https://home.cern/news/news/physics/bringing-black-hole-jets-down-earth>

US plans to invest \$900m to ramp up deployment of small modular reactors

<https://eandt.theiet.org/2024/06/18/us-plans-invest-900m-ramp-deployment-small-modular-reactors>

'Glitches' of rapidly spinning neutron star pulsars can be a source of gravitational waves

<https://phys.org/news/2024-06-glitches-rapidly-neutron-star-pulsars.html>

Recent Peer-Reviewed Articles of Interest

Compact stellarator-tokamak hybrid

<https://journals.aps.org/prresearch/pdf/10.1103/PhysRevResearch.6.L022052>

Discovering tungsten-based composites as plasma facing materials for future high-duty cycle nuclear fusion reactors

<https://www.nature.com/articles/s41598-024-64614-3>

First tungsten radiation studies in DIII-D's ITER baseline demonstration discharges

<https://iopscience.iop.org/article/10.1088/1741-4326/ad536b>

Multiphoton fusion of light nuclei in intense laser fields

<https://journals.aps.org/prc/abstract/10.1103/PhysRevC.109.064615>