FYI – FUSION NEWS/ALERTS

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Experiences for Consideration in Fusion Power Plant Design Safety and Safety Assessment
https://www.iaea.org/publications/15788/experiences-for-consideration-in-fusion-power-plant-design-safety-and-safety-assessment
[**PDF**] https://www-pub.iaea.org/MTCD/Publications/PDF/TE-2076web.pdf

Focused Energy hits milestones in US fusion programme
https://www.neimagazine.com/news/focused-energy-hits-milestones-in-us-fusion-programme/

Acceleron Banks on Muons for Colder Fusion
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SNU researchers reveal the mechanism of runaway electron generation in tokamak fusion reactors
https://www.eurekalert.org/news-releases/1067162

Breaking through plasma's chaos for stellar science and fusion energy
https://www.aa.washington.edu/news/article/2024-12-04/stellar-science-and-fusion-energy

General Fusion achieves plasma breakthrough
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DOE Partners with UK's DESNZ and Tokamak Energy Ltd. to Accelerate Fusion Energy Development through a $52M Upgrade to the Privately Owned ST40 Facility
https://www.energy.gov/science/articles/doe-partners-uks-desnz-and-tokamak-energy-ltd-accelerate-fusion-energy-development

Approaching the unexplored "plasma phase-space" with data science
https://www.eurekalert.org/news-releases/1066554

Realising fusion energy's potential in Europe
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The future of nuclear energy: An expert insight
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Serbia plans for future with nuclear energy
https://www.world-nuclear-news.org/articles/serbia-plans-for-future-with-nuclear-energy

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What is the new battery that never dies?
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India Eyeing Up to 22 GW Nuclear Capacity by 2031, Says DAE Secy
https://www.outlookbusiness.com/planet/sustainability/india-eyeing-up-to-22-gw-nuclear-capacity-by-2031-says-dae-secy

Recent Peer-Reviewed Articles of Interest

Spatial analysis of femtosecond laser generated plasma using principal component analysis
https://www.nature.com/articles/s41598-024-81389-9

Long-term research and design strategies for fusion energy materials
https://www.sciencedirect.com/science/article/abs/pii/S2590238524004491