

Abstract Submitted
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Accelerator Driven Systems: a human-scale solution for responsible nuclear energy JAMES GERITY, Texas A&M University — Conventional fission creates dangerous and long-lived transuranic waste that needs to be stored for millions of years. Accelerator driven systems (ADS) provide an option to instead destroy this dangerous waste and extract additional energy from these reserves, extending the non-recyclable fuel horizon by an order of magnitude. A plan for molten salt-based ADS in the US will be presented, along with design for the key components.

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