Subject:	Limited Competition: **Lottery** Department of Energy, Artificial Intelligence and Machine Learning Applied to Nuclear Science and Technology
Date:	Wednesday, October 23, 2024 at 11:43:56 AM Mountain Daylight Time
From:	Limited Competition
To:	Limited Competition
CC:	'OVPR_PI-L@LIST.UNM.EDU'
Attachments:	DE-FOA-0003458 2.pdf

UNM Limited Competition Announcement

Dear UNM Researchers,

The Office of the Vice President for Research is requesting statements of interest for the **Department of Energy's Artificial Intelligence and Machine Learning Applied to Nuclear Science and Technology** award program (**DE-FOA-0003458**), which supports the development and application of AI/ML in all research areas of nuclear physics to expand and accelerate scientific reach and discovery. Current and planned nuclear physics facilities and scientific instrumentation face a variety of technical challenges in theory, simulations, control, data acquisition, and data analysis. AI methods and techniques promise to address these challenges and shorten the timeline for experimental and computational discovery. Opportunities include AI to address challenges in autonomous control, efficiency of operation of accelerators and scientific instruments, digital twinning for future colliders, efficient extraction of critical information from large complex data sets, and enabling data-driven discovery of new physics.

Sponsor: Department of Energy (DOE)
Opportunity Title: Artificial Intelligence and Machine Learning Applied to Nuclear Science and Technology
Opportunity Number: DE-FOA-0003458
Sponsor Due Date(s): November 14, 2024 for required Letters of Intent to the DOE; **January 14, 2025** for full proposals
Award Range: $200,000-$3,500,000
Number of Submissions Allowed from UNM: Three (3) as lead applicant
Solicitation: https://science.osti.gov/-/media/grants/pdf/foas/2025/DE-FOA-0003458.pdf
Additional Information:
- lead PIs are expected to budget at least 20% of their time to the proposed project
- budget maximum for universities as lead applicant is $1,000,000

Limited Comp. SOI Due Date: NOON on October 28, 2024
Limited Comp. Instructions: Submit your ~100-word SOI in UNM's **InfoReady Review portal**. **Because there is not time for a committee review, if we receive more SOIs than submission slots available, we will randomly select which will be allowed to move forward. Only SOIs received by the deadline will be included in the drawing.**

Thank you,
The Limited Competition Management Team

You can sign up to be a reviewer for UNM Limited Competitions HERE.
Should you have any questions please feel free to contact us at limited@unm.edu.
If you are affiliated with HSC, please contact HSC Limited Competition at HSC-LimitedComps@salud.unm.edu for more information.