

FY2026 call for Expressions of Interest

for Advanced Accelerator Research and Development for NP Facilities

The Office of Nuclear Physics (NP) is soliciting Expressions of Interest (EOI) from National Laboratory proponents in support of Accelerator Research and Development (R&D) relevant to current or next-generation nuclear physics accelerator facilities.

NP supports transformative research and development (R&D) of relevance to current (ATLAS, FRIB, CEBAF) or next generation (e.g., EIC) accelerator facilities that include heavy-ion, electron, and proton accelerators and associated systems. Areas of interest include R&D for heavy ion and polarized proton beams, linear accelerators, intense rare isotope beam generation, stable isotope beam generation, and accelerator science and technology for next-generation NP facilities. Research aimed at transformative advances in ion sources, superconducting radiofrequency, and beam cooling is also encouraged.

Proposed accelerator R&D activities should significantly advance the state-of-the-art capabilities relevant to 1) next generation machines for nuclear physics or 2) to improve the performance of existing nuclear physics facilities. Particularly, applications in the following areas are encouraged:

- Transformative accelerator R&D in superconducting radiofrequency (SRF) technology for restoring cryomodule performance at SRF-based accelerator facilities. One example is R&D to establish practical and reproduceable in situ plasma processing techniques
- High performance polarized electron photocathodes and polarized light ion sources with more-established methods and technologies.
- Transformative accelerator R&D in next generation ion and electron sources.

EOIs should be prepared as follows:

The front page should contain the title of the project, date of submission, a list of all proponents and their institutions. The principal investigator (PI) should be clearly indicated and be the single point of contact (POC). This information must be followed by a clear and concise description of the motivation for the research and how the proposed R&D will advance the current state-of-the-art for current or future nuclear physics accelerator facilities. Deliverables at the end of each budget period must be stated. A budget table itemizing the proposed allocations to collaborating institutions by budget period must be included, as shown below:

Multi-Institutional Team Information					
	Names	Institution	Year 1 Budget	Year 2 Budget	Total Budget
Lead PI					
Co-PI					
Co-PI					

The EOI must be formatted using standard letter-size (8.5-inch x 11-inch) paper with 1-inch margins (top, bottom, left, and right). The body text font must not be smaller than 11-point. Figures and references are allowed, but the total package must fit within a three-page limit. The deadline for submitting EOIs via email to the POC, Manouchehr Farkhondeh (manouchehr.farkhondeh@science.doe.gov) is **no later than 5:00 pm ET on October 15, 2025**.

EOIs will be evaluated internally by NP program managers to determine alignment with the goals of the accelerator R&D program.

The proponents of successful EOIs will be invited to submit proposals through the Office of Science Portfolio Analysis and Management System (PAMS). Guidelines for the submission of proposals will follow those stated in the FY 2026 Continuation of Solicitation for the Office of Science Financial Assistance Program Notice of Funding Opportunity (NOFO) <https://science.osti.gov/grants/FOAs/-/media/grants/pdf/foas/2025/DE-FOA-0003600.pdf> .