Call for Proposals for

Industry/Proprietary Radiation Effects, Fast-Neutron Radiography and internal LANL users for the LANSCE 2026 Run Cycle

The Los Alamos Neutron Science Center (LANSCE) is issuing a Call for beam time proposals for Industry/Proprietary Radiation Effects, Fast-Neutron Radiography work and internal LANL users at the Weapons Neutron Research (WNR) Facility for the upcoming run cycle currently scheduled from June 19th, 2026, to December 20, 2026. This call is focused only on Industry users that operate in a proprietary mode and provide full-cost recovery payment and internal LANL users. We expect to issue a more general call for proposals shortly.

The LANSCE/WNR call for Industry/Proprietary Radiation Effects, Fast-Neutron Radiography and internal LANL proposals is now open.

All Industry/Proprietary, Fast-Neutron Radiography and internal LANL users must submit a proposal. Proposals should be submitted using the LEMS system our website: https://lems-frontend-legacy.prod.cc.lanl.gov/lansce/app/manage . Although proposals are always accepted, they will be prioritized on a first-come, first-served. You will also be required to provide Company Information.

The WNR facility provides neutron and proton beams for radiation effects and neutron radiography research. Neutron beams with energies ranging from about 0.1 MeV to more than 600 MeV are produced in Target 4 (an unmoderated tungsten spallation source) using the 800 MeV proton beam from the LANSCE LINAC. The 30-deg flight paths (ICE-I and ICE-II) provide a neutron spectrum that is very similar to the neutron spectrum produced by cosmic rays striking the atmosphere. The 60R flight path, which has a slightly different energy spectrum than ICE-I and ICE-II, is also available for radiation effects and neutron radiography studies. Additionally, samples can be exposed to the proton beam with energies up to 800 MeV either from the LINAC or the proton storage ring (PSR) in the Target-2 experimental area (Blue Room). The "East Port" is also available for irradiations.

Information about the flight paths is available at:
https://lansce.lanl.gov/facilities/Radiation%20Effects/index.php.

Beam time rates have been updated; contact Valerie Salazar (vsalazar@lanl.gov) 505-667-6797) for more details.

LA-UR-26-20122

Industry / Proprietary Radiation Effects /Fast-Neutron Radiography and internal LANL Proposals

- Industry / proprietary proposers should select “Industry Call” when submitting your proposal in the LEMS system (https://lems-frontend-legacy.prod.cc.lanl.gov/lansce/login)

- Please specify your first choice for flight paths: ICE-I or ICE-II or 60R or “Blue Room”/Target 2 or East-Port).

- For technical questions contact Steve Wender (wender@lanl.gov, 505-667-1344/ 505-660-6458) or Kranti Gunthoti (kranti@lanl.gov, 505-551-4906).

- For administrative questions and questions regarding full cost recovery and agreements, please contact Valerie Salazar (vsalazar@lanl.gov, 505-667-6797).

- Below is a list of Instruments/Flight Paths available in the Current Call for Proposals

Flight Path	Description	Instrument Scientist	Email	Telephone
Flight Path 30L. Neutrons	ICE House, single event effects, semiconductor testing and other measurements	Steve Wender	wender@lanl.gov	505-667-1344/ 505-660-6458
Flight Path 30R. Neutrons	ICE II, single event effects, semiconductor testing and other measurements	Steve Wender	wender@lanl.gov	505-667-1344/ 505-660-6458
Flight Path 60R. Neutrons	Radiation Effects and High Energy Neutron Radiography	Kranti Gunthoti	kranti@lanl.gov	505-551-4906
Target 2 (Blue Room) Proton Irradiations / Sole Use	Radiation effects, proton-induced reaction cross sections, Proton Storage Ring beam, LINAC beam including beam energies other than 800 MeV, sole use.	Kranti Gunthoti	kranti@lanl.gov	505-551-4906

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Flight Path	Description	Instrument Scientist	Email	Telephone
East Port	High intensity broadband radiation, neutron activation, neutron irradiation	Nik Fotiadis	Fotia@lanl.gov	505-665-0589

Proposal Scheduling

- Once the LANSCE accelerator operating schedule for the run cycle is finalized, the Instrument Scientist will combine that operating schedule with the user's beam time requests to develop a schedule for each area or flight path. These schedules will be communicated to experiment proposers as soon as possible so that they will be able to make arrangements for their visit, shipment of equipment, user travel, etc.
- Although we will try to accommodate the dates requested by the users, final scheduling depends on the constraints of the LANSCE operating schedule. Because of the complexity of the LANSCE accelerator and experimental systems, the operating schedule may change over the course of the run cycle, and thus, particular experimental dates cannot be guaranteed.

User agreements

- The Department of Energy (DOE) requires Industry/Proprietary users of the LANSCE Facility to have a Proprietary User Agreement (PUA) in place between Los Alamos National Laboratory and the user's home institution and funding be received at LANL **before the users will be allowed on site**. The description and list of existing user agreements can be found at https://lansce.lanl.gov/users/become-a-user/user-agreements.php. Please contact the User Office at lansce-user-office@lanl.gov or Valerie Salazar vsalazar@lanl.gov) to initiate the PUA as early as possible.

Obtaining access to LANL

- US citizens
  - **All visiting US citizen users must register at least three weeks before the scheduled experiment.**
  - US citizens must bring a picture ID (Driver's license) and proof of citizenship (Passport or Birth Certificate, original forms are needed, no photocopies)
- Non-US citizens
  - **Non-US Citizens must register at least 60 days before their visit.**

- The DOE requires additional information to grant non-US citizens access to Los Alamos National Laboratory (LANL). Foreign national visitors must have an approved visit request, present a valid passport and documentation of US legal status and work authorizations. For more information see: ~~(~~https://www.lanl.gov/community/visitors/badging/index.php~~)~~.
- As noted elsewhere: Due to federal restrictions contained in the current National Defense Authorization Act, citizens of the People's Republic of China, the Islamic Republic of Iran, the Democratic People's Republic of North Korea, and the Russian Federation, who are not Lawful Permanent Residents ("green card" holders), are prohibited from accessing facilities that support the mission, functions, and operations of national security laboratories and nuclear weapons production facilities, which includes Los Alamos National Laboratory.

Classified Proposals Submission

If you plan to submit a classified proposal, please contact Steve Wender (wender@lanl.gov) as early as possible to discuss the submission.