

CALL FOR PROPOSALS 2026

The Institute for Rare Isotope Science (IRIS) invites proposals for beam time for domestic users in Korea. Proposals accepted should be able to run in RAON beam time periods that will be scheduled in 2026. These are expected to be five months from March to July in 2026.

The stable beams available in 2026 will be Ne-20, Ne-22 and Ar-40 accelerated by the superconducting linac SCL3 at energies of up to 20 MeV/u or less with an intensity of $10^6 \sim 10^{10}$ pps. Proton beams from 40 to 70 MeV can be provided by the cyclotron with a beam power of up to 100 W. Reaccelerated RIB of Na-25 will be available at ~ 20 MeV/u or less with an intensity of $\sim 10^5$ pps.

In 2026 it may also be possible to provide RIBs of Al-25, Al-26, Mg-22, Mg-23, Cs-130, Cs-130m, Cs-134m, Cs-135m, Cs-136, Ba-133m, Ba-135m, with intensities of about 10^5 to 10^7 pps at energies similar to those of Na beams.

The KoBRA, CLaSsy (formerly called CLS) and MRTOF-MS setups will be available for experiments. Users wishing to use these devices are welcome to inquire about technical matters with IRIS by sending emails to user_support@ibs.re.kr.

Proposals must be submitted by October 28, 2025 to allow for scientific and technical reviews of the proposals prior to the PAC meeting, which will take place in January 2026.

Beam time will be provided for non-proprietary experiments based on the scientific merits through the review of proposals by the PAC. There will be no beam time charge for non-proprietary experiments as long as the results from these experiments are expected to be published.

Important dates

- September 10, 2025: Call for proposals
- October 28, 2025: Deadline for submission of proposals
- End-January, 2026: PAC Meeting

- End of February, 2026: Notification of approved experiments
- March ~ July, 2026: Experiments using the SCL3 beams
- The scheduling of beam time with protons or low-energy ISOL RIB (to CLaSsy and MRTOF-MS) will be made in consultation with the IRIS/RAON team and fixed individually.

The contact spokesperson for each proposal must register on the IBS indico page (<https://indico.ibs.re.kr/e/user>) and fill in the submission form. The content of the proposal should not exceed **10 pages** including the cover page, references, tables and figures. A font size of **12 point** (Times or Calibri font) must be used for the text. Proposals will be kept confidential but will be made available to PAC members and IRIS staff for technical and safety reviews.

The proposals should include:

1. Abstract
2. Scientific motivation
3. Goals of the proposed experiment
4. Experimental details
5. Estimation of beam time requested
6. Experimental parameters such as beam requirements, targets and detectors
7. Summary
8. References

Safety measures

The Safety Management Office of the IRIS will review all proposals for safety issues.

Contact

Please contact the User Liaison Office, user_support@ibs.re.kr for any inquiries.