

Inter-University Research Program Application Guidelines (Domestic)
Institute for Cosmic Ray Research (ICRR), the University of Tokyo

1. Purpose of Public Call

The purpose of the public call is to invite researchers to conduct observations and research on cosmic rays and related topics in a broad sense in collaboration with ICRR.

2. Application Items

We invite research proposals for the ICRR Inter-University Research Program on the following topics.

A) Research on cosmic rays in a broad sense that requires the use of ICRR's joint use facilities and equipment, including:

- Norikura Observatory
- Akeno Observatory
- Kamioka Observatory
- Research Center for Cosmic Neutrinos
- KAGRA Observatory
- High Energy Astrophysics facility in Canarias
- Kashiwa Low-Level Radioisotope Measurement Facility
- ICRR's computer system is used jointly by all research divisions.

B) Research on elementary particles or astrophysics falling under any of the following research themes (a to f) and is conducted jointly with ICRR

Research topics

- a) Cosmic ray research conducted underground or in deep sea
- b) Research on high-energy cosmic rays in a broad sense carried out using satellites and/or balloons, and/or on high mountains and/or other above-ground locations
- c) Research focused on detection and observation of sources of high-energy cosmic gamma rays
- d) Research on the origins of cosmic rays or interstellar matter and cosmic dust by chemical composition analysis, isotope measurement, and other means
- e) Research and the development of observation methods and equipment useful for the study of cosmic rays in a broad sense
- f) Theoretical or exploratory research on themes in the study of cosmic rays in a broad sense that are expected to become prominent in the future

C) Scientific Meetings

These meetings bring researchers together to discuss specific themes of particular interest in cosmic ray research in a broad sense. They are generally recommended to be conducted at ICRR for approximately 1–3 days.

Domestic and international travel expenses are limited to travel to ICRR and its research facilities and observatories in Japan and overseas. Travel to specific Scientific Meetings* held within Japan will also be covered.–

** Domestic travel expenses to locations other than ICRR will be reimbursed only for meetings on future plans for cosmic ray research, jointly conducted by the Cosmic Ray Researchers Congress (CRC) and ICRR.*

We also accept research proposals limited to the use of facilities only. (See page 4, Notes on Applications 5)

3. Eligibility

Researchers (including postdoctoral fellows etc.) of universities and national or other public research institutions. However, the principal investigator must be full-time employee who can take full responsibility for the independent research and conduct it within the period specified in Section 9. When a researcher or a specially appointed faculty employed by an external fund applying as a Principal Investigator must enter the

following items (1) and (2) in Form 3 “Confirmation Form for Inter-University Research Program applications for which a postdoctoral fellow is Principal Investigator” and obtain the approval of the Inter-University Research Program Selection Committee.

- (1) Effort (percentage) when the research proposal is selected
- (2) Consent of superior (the provider of employment funds)

Note that undergraduate students can participate only as research assistants.

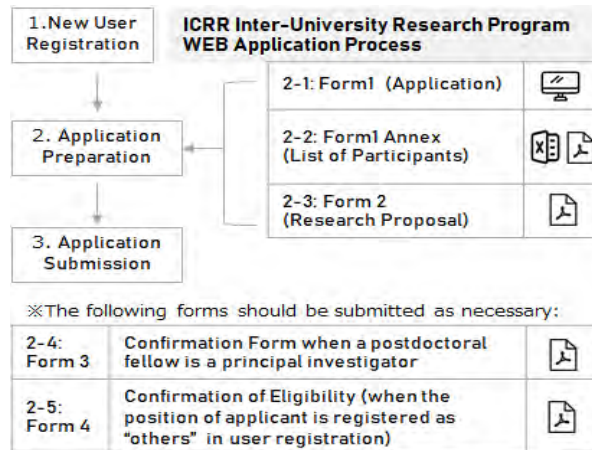
4. Application Procedure

Submit your application through the Web system (<https://www.icrr.u-tokyo.ac.jp/en/collaborators-2/>).

The diagram on the right shows the application process.

For details, please refer to the User Manual of the ICRR web system available at the following link:

https://interuniversity.icrr.u-tokyo.ac.jp/docs/en/user_manual.pdf



5. Application Deadline: 5 PM (JST), January 10 (Fri.), 2025

*Application materials received after the deadline will NOT be accepted.

6. Contact

(1) Inquiries regarding application submission and procedure

Inter-University Research Program Administrator, Institute for Cosmic Ray Research, the University of Tokyo
5-1-5 Kashiwanoha, Kashiwa-shi, Chiba, 277-8582, Japan

Email: kyodo-riyo_at_icrr.u-tokyo.ac.jp

(replace _at_ with @ when sending emails)

Tel: 04-7136-3107

(2) Inquiries regarding research and technical matters

The Head of the research division to which you are applying or the Director of the facility that you wish to use (refer to the list of contacts provided on the last page).

7. Screening

The Inter-University Research Program Selection Committee screens research proposals for approval or rejection and assesses required expenses based on the information provided in the submitted files. The final decision is made by the Advisory Committee.

8. Publication of Results

Scheduled for late April.

The names of approved research proposals and Principal Investigators (including the applicant's organization) will be published on the ICRR website.

9. Implementation Period

From April 1, 2025, to March 31, 2026 (FY2025)

10. Budget Execution

Please contact your Research Group Administrator when you would like to make a business trip, purchase goods, etc. The budget will be executed in accordance with the regulations of the University of Tokyo.

11. Reporting Research Results

(1) After the end of the relevant fiscal year, the Principal Investigator should promptly submit Form 8 (Report of Research Results) within two pages to the web system. Since the Research Result Reports are published as is on the ICRR website, they should be concise and clear. Additionally, as necessary, submit Form 9 (List of Published Papers and Doctoral Degree Recipients) by uploading it.

(2) The Presentation Meeting of the ICRR Inter-University Research Program will be held before the end of the relevant fiscal year. Note that the content of these presentations will be used as a reference when assessing applications for the following fiscal year.

(3) When publishing papers on the results of collaborative research, you should clearly state in the Acknowledgments that the research was supported by ICRR's Inter-University Research Program. (Article 7 in the Regulations on Collaborators at the Institute for Cosmic Ray Research of the University of Tokyo)

The following is an example of acknowledgment for your reference. *() is optional.

• This work was (partially) supported by the Inter-University Research Program of the Institute for Cosmic Ray Research (ICRR), the University of Tokyo.

12. Safety and Health Education, etc.

Participants in the research project are required to take safety and health education specified by the facility to be used, observe the facility director's instructions on safety and health, and have accident insurance and liability insurance coverage. Students and those whose institutions do not guarantee accident and liability insurance (e.g., those belonging to foreign research institutions) are recommended to purchase insurance such as "Student Education and Research Accident Insurance" or "Japan Educational Exchange and Services (JEES)'s Supplementary Liability Insurance."

13. Miscellaneous

- A) Applicants should obtain informal consent from the head of their affiliation before applying.
- B) When submitting a new application for the use of a facility, be sure to obtain the consent of the facility director before application.
- C) When applying for FY 2025, special consideration will be made to those who have transferred to a new organization within one year before the application deadline (January 10, 2025), and who apply for and are accepted for cosmic-ray-related research as a newly appointed faculty member (in principle, a faculty member with a full-time permanent position or a tenure-track position) at the new organization. If eligible, please check "Applicable" in the "Newly Appointed Faculty at the Current Affiliated Organization" section in the web system.
- D) Human assistance for installing and operating observation equipment at Norikura Observatory is limited to a certain period due to factors related to winter snowfall. Therefore, it is recommended that you consult the director of Norikura Observatory when drafting your research plan. Additionally, there is a possibility that renovation work will be carried out at Norikura Observatory in FY 2025. If that occurs, conducting joint research at Norikura Observatory may be restricted or suspended. The director of Norikura Observatory will inform you regarding the status of the renovation work.
- E) Refer to Reference 2 on the last page for the details on overseas observatories.
- F) Principal Investigators must have completed the ethics education program provided by their affiliation and/or "eL CoRE" (e-Learning Course on Research Ethics provided by Japan Society for the Promotion of Science) by the time they apply if they plan to claim expenses.
(eL CoRE URL: <https://elcore.jsps.go.jp/top.aspx>; Click the "English" button in the upper right corner to switch the language.)
- G) Applications submitted after the application deadline are not accepted in principle. Withdrawing the application for unavoidable reasons after it has been selected will not affect the decision on acceptance of any future applications. We recommend that you apply even if the decision to conduct the research has not been finalized by the application deadline.