

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

1. Purpose of Public Invitations for Applications

The purpose of public invitations for applications from researchers is to invite them to conduct observations and research on cosmic rays and related topics in the broad sense together with ICRR.

2. Application Items

We publicly invite Inter-University Research Program proposals on the following topics.

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

Joint use facilities and equipment belonging to ICRR and its various research divisions include the Norikura Observatory, Akeno Observatory, Kamioka Observatory, Research Center for Cosmic Neutrinos, KAGRA Observatory, High Energy Astrophysics facility in Canarias, and Kashiwa Low-Level Radioisotope Measurement Facility. ICRR's computer system is also used jointly by its research divisions.

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

Research topics

- a) Cosmic ray research conducted underground or in deep sea
- b) Research on high-energy cosmic rays in the 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 the broad sense
- f) Theoretical or exploratory research on themes in the study of cosmic rays in the 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, Principal Investigators must be full-time employees and able to take full responsibility for conducting independent research. 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"

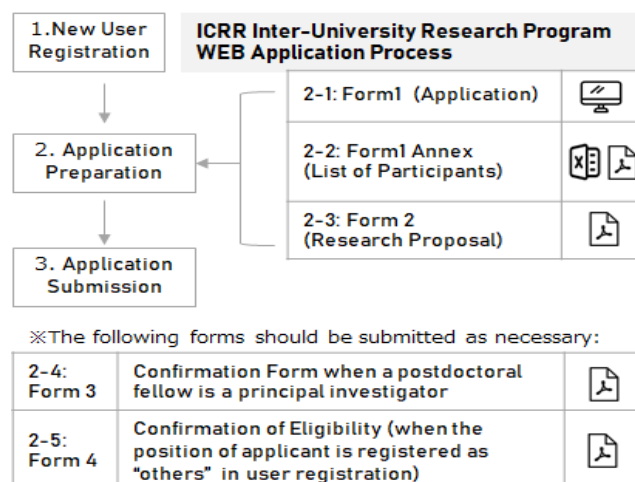
and obtain the approval of the Inter-University Research Program Selection Committee.

- (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 documents through the Web application system of the Institute for Cosmic Ray Research, the University of Tokyo (<https://www.icrr.u-tokyo.ac.jp/en/collaborators-2/>). The diagram on the right shows the application process (please note that Form 7 "Letter of Consent" is no longer required). For details, please refer to the user manual of the ICRR web application system available on the ICRR webpage.



5. Application Deadline: 5 PM (JST), January 10 (Wed.), 2024

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

6. Contact

- (1) Budget and Accounts Division, Institute for Cosmic Ray Research, the University of Tokyo
5-1-5 Kashiwanoha, Kashiwa-shi, Chiba, 277-8582, Japan
Tel: 04-7136-3107

*For inquiries in English, send an email to:

Inter-University Research Program Administrator, Institute for Cosmic Ray Research, the University of Tokyo: kyodo-riyo_at_icrr.u-tokyo.ac.jp(replace _at_ with @ when sending emails)

- (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, 2024 to March 31, 2025 (FY2024)

10. Budget Execution

Please contact the Inter-University Research Program 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.

Participating researchers and research assistants are required to take safety and health education specified by the facility to be used, and to observe the facility director's instructions on safety and health. Participating researchers are also required to 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) If the researcher applying has changed their affiliation in the year before submission and is a newly appointed faculty member (in general with a full-time permanent position or a tenure track position) of the new organization, we prioritize the support for such researcher. If eligible, please check "Applicable" in the "Newly Appointed Faculty at the Current Affiliated Organization" section in the web system.
- D) Human assistance provided for installing and operating observation equipment at Norikura Observatory is limited to a certain period by the snowfall in winter. For this reason, consulting the director of the Norikura Observatory is recommended when drafting your research plan.
- 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 on the top right 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.