

Job Opening: Researcher 24-12

Title	Researcher Position
Number of Job Opening	One person
Inst/Group	Hadron group, Institute of Particle and Nuclear Studies(IPNS)
Term	Up to 3 years from the start of the term with the contract renewed every fiscal year. *The contract update is determined by the following: (1)Work performance, Work attitude (2)Ability of workers (3)Amount of work at the expiration contract period (4)The need for business (5)Situation of budget
Start of the term	Negotiable, but prefer as early as possible after acceptance
Place of employment	High Energy Accelerator Research Organization, Tokai campus, 2-4 Shirakata, Tokai-mura, Naka-gun, Ibaraki 319-1195, Japan
Appl. Deadline	by 12:00 JST May 16, 2025

Job Description

Kaon rare decays play a crucial role in the search for new physics beyond the standard model (SM). In particular, the $KL \rightarrow \pi^0 \nu \bar{\nu}$ decay is often referred to as a “golden mode” because of its extreme rarity and theoretical cleanness. At J-PARC, the KOTO experiment is searching for this decay with the world’s best sensitivity and will approach to the sensitivity level predicted in the SM by collecting physics data in 3-4 years. Furthermore, a future experiment, KOTO II, is being planned to measure the branching ratio of this decay with 25% accuracy.

The successful applicant will join the Hadron group in IPNS and promote its kaon program by contributing to the data taking and analysis for the KOTO experiment and developing analysis tools and experimental design for the KOTO II experiment. The workplace is the Tokai campus.

Qualification

Applicant must have a Ph.D. obtained at the time of application or is sure to get Ph.D. prior to starting the Job at KEK.

Method of Selection

After reviewing the submitted application documents (see below), applicants may be called for an interview.

(Details will be separately communicated to the applicants who will be interviewed.)

Salary

Base annual salary: 3,960,000yen

Salary payment method: The base annual salary is divided into twelve and paid monthly. Various allowances will be determined according to the KEK rules in addition.

Working Hours

In principle, discretionary work system for professional work is applied and working hours will be deemed as 7 hours and 45 minutes per day.

Application Documents (Use A4 size papers (295mm x 210mm or similar size))

1. Curriculum vitae (Use the designated form of KEK:

<https://www.kek.jp/en/resume>)

* CV should include the job number Researcher 24-12, e-mail address, your date of birth, and the possible date you can start working at IPNS in addition to standard information of CV.

* If you apply for more than one job openings in KEK, please indicate all the job numbers you apply for and your priorities in your CV.

2. Research experience

3. Publications list

(Indicate up to 5 important papers in the publication list. Provide Web pointers (URL, DOI etc.) for the important papers. Attach reprints when Web pointers are not available.)

4. Research plan at IPNS in KEK

5. Recommendation or reference letter(s)

(The letter(s) must be addressed to Dr. SAITO Naohito, Director, IPNS)

How to submit application documents

1. Application documents other than recommendation/reference letter(s)
Send by email in pdf format to Koji Shiomi, at the email shiomi_at_post.kek.jp (Please replace _at_ with @). Subject of the mail should be “Researcher 24-12 Application”.
2. Recommendation/reference letter(s)
Send by email in PDF format directly to Koji Shiomi, at the email shiomi_at_post.kek.jp (Please replace _at_ with @).

(Attention) If there is no replay from us within a few days, please confirm.

For more information: please contact

Associate Prof. Koji Shiomi

E-mail: shiomi_at_post.kek.jp (Please replace _at_ with @)

Others

1. KEK is promoting gender equality. In accordance with the intent of “Basic Act for Gender Equal Society”, when the finalists for a position comprise both males and females whose qualifications and merit, including experiences, education, research achievements and social contributions, have been deemed equal, preference will be given to the female candidate.
2. An option for working at home is available to improve work-life balance or to cope with exceptional working environment.

Private information

Private information obtained from application documents will not be used or provided to any third party for purposes other than the necessary procedures related to personnel affairs, salary, and welfare. Please note that documents submitted for the recruitment process will not be returned to the applicant.