



Krakow, February 26, 2024


The Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences

announces a competition for the position

ADIUNKT /post-doc/ - AP-NZ64-2/24

in Department of Nuclear Physical Chemistry /NZ64/

Division of Applications of Physics /NO6/.

Deadline for application :	Expected term of employment:	Type of contract:	Number of positions:	Application address:
May 15th 2024	Second half of 2024 for define period up to 33 Months	contract of employment, full-time at IFJ PAN as the only place of work	1	 jobs@ifj.edu.pl

<https://www.ifj.edu.pl/en/career/recruitment-procedures.php>

I. Keywords:

low level gamma spectrometry, large data bases, programming, cosmic rays.

II. Description:

A person employed as an adjunct (post-doc) for a define period up to 33 months at the Department of Nuclear Physical Chemistry – NZ64 at IFJ PAN will be obliged to participate in work on research topics and projects implemented and planned for the nearest period at the NZ64 Department.

The basic tasks of the employed person will include: development of the technique of gamma spectrometric measurements in environmental research. In particular: studies of the influence of muon flux on the background of a gamma-ray spectrometer with an emphasis on neutron effects and time relations. Further development of a digital coincidence systems with "event by event" registration. Holding and analyzing of the large long term sets of data from active shields (cosmic muon detectors), programming.

The employed person will also be obliged to disseminate the results of research in the form of publications in leading scientific journals indexed in the JCR and speeches during seminars and conferences, including international ones. This person will also be obliged to apply for external funding for research.

III. Required qualifications:

- PhD degree in physical sciences (or related like computer science, astronomy)
- good record of publication in scientific journals (JRC list), qualifications necessary to carry out research tasks carried out at NZ64,
- knowledge of the research topics in nuclear spectrometry, cosmic rays
- experience in the field of radioactivity measurements techniques,
- high work skills in programming (Python most welcomed), some skills in nuclear spectrometry (especially gamma),
- good knowledge of radioactivity measurements problems at low-level
- very good knowledge of spoken and written English.
- long term interest in work for IFJ toward habilitation

Welcome:

- knowledge of detectors hardware,
- knowledge and skills in electronics

IV. Salary offered

A person employed for a fixed period up-to 33 Months as an adjunct (post-doc) will receive a monthly basic remuneration from **PLN 5,500.00 gross**, which depends on the candidate's achievements. The total amount of remuneration will be increased by **allowances** for: length of service and working under conditions of exposure to ionizing radiation (if applicable).

V. General information

Detailed rules of the competition are specified in the Terms and Conditions of Recruitment of Adjuncts and Research Assistants adopted by the IFJ PAN Scientific Council on April 12, 2021 and accessible at:

<https://www.ifj.edu.pl/en/career/documents/terms-and-conditions-adjunct-research-assistant.pdf>

Candidates applying for employment in IFJ PAN are required to contact the head of the NZ64 Department, prof. Jerzy W. Mietelski at an early stage, who may ask the candidate to deliver a seminar before submitting the application and then the Head of the Department submits employment recommendation to the Competition Committee.

VI. Required documents

The list of required documents is included in the rules of the competition:

<https://www.ifj.edu.pl/en/career/documents/terms-and-conditions-adjunct-research-assistant.pdf>

VII. Deadline for application submission

- Applications with attachments shall be sent by e-mail by **May 15th, 2024** to the following address: jobs@ifj.edu.pl with the note „**Adiunkt/post-doc/AP-NZ64-2/24**”
- The employment recommendation from the two referees shall be sent directly, bypassing the candidate, to the following e-mail address: jobs@ifj.edu.pl

VIII. Conclusion of the competition

- Interviews with candidates shall take place from **June 10th, to June 12th, 2024**. Candidates qualified for interviews shall be notified by e-mail about the exact date of the Interview **by May 24th, 2024**. During the interview the candidate shall be required to give a presentation, **stored on a pen drive**, lasting 10 minutes at maximum which shall presenting candidate's most important achievement,
- The competition shall be concluded **by June 28th, 2024**.
- Each candidate shall be notified by e-mail about the results of the competition.
- **The final decision on employing and salary shall be taken by IFJ PAN Director.**

IX. Contact

All questions can be sent by e-mail to the IFJ PAN Employment Department (jobs@ifj.edu.pl).