


Krakow, February 26, 2024

The Henryk Niewodniczański Institute of Nuclear Physics
Polish Academy of Sciences
announces a competition for the position
ADIUNKT /tenure/ - AT-NZ22/24
in Department of the Structure of Atomic Nucleus (NZ22)
Division of Nuclear Physics and Strong Interactions (NO2).

Deadline for application :	Przewidywany termin zatrudnienia:	Type of contract:	Number of positions:	Application address:
May 15th 2024	Second half of 2024 for indefinite period	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:

Gamma ray spectroscopy, studies of radioactive nuclei produced using ion and neutron beams, models of the structure of the atomic nucleus.

II. Description:

A person employed as an adiunkt-tenure (assistant professor) for an indefinite period at the Department of the Structure of Atomic Nucleus (NZ22) at IFJ PAN will be obliged to participate in work on research topics and projects implemented and planned for the nearest period at the NZ22 Department.

The basic tasks of the employed person will include:

- Gamma ray spectroscopy of exotic neutron-rich nuclei produced in fission reactions induced by thermal and fast neutrons at ILL (Grenoble) and IJCLab (Orsay).
- Design and development of nuclear physics experiments using a pulsed beam of fast neutrons at IFMIF-DONES (Granada).
- Measurements of half-lives of long-lived radioactive nuclei produced in the neutron beam generator using low-background detection systems at IFJ PAN.

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:

- habilitated doctor's degree in physical sciences or related disciplines, or a doctoral degree in physical sciences or related disciplines with scientific achievements that largely meet the requirements for candidates for the habilitated doctor's degree;
- Practical knowledge of nuclear radiation detection techniques. Experience in conducting gamma spectroscopy measurements on neutron and ion beams;
- Knowledge of theoretical models of the atomic nucleus;
- Proficient use of a computer (Windows and Linux environment);
- Knowledge of methodology and practice in using software for spectral analysis of coincident gamma ray spectra;
- Knowledge of software for statistical analysis (e.g. ORIGIN, MATLAB) and visualization of experimental data;
- Ability to work in an international team;



- Very good knowledge of English, allowing for fluent communication in speech and writing (scientific discussions, conference presentations, preparation of publications).

Welcome:

- Talks at international scientific conferences;
- Undertaking a long-term scientific internship at a foreign research facility;
- Experience in conducting research projects;
- Teaching experience, e.g. conducting student internships.

IV. Salary offered

A person employed for an indefinite period as an Assistant Professor will receive a monthly basic remuneration from **PLN 5,800.00 gross**, which depends on the candidate's achievements and academic degree. 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 N222 Department, Prof. Piotr Bednarczyk 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 his/her short opinion with the recommendation or lack of recommendation for employment 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/tenure/AT-N222/24**”
- 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, research and team building plans,
- 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).