




Kraków, September 23rd 2025

The Henryk Niewodniczański Institute of Nuclear Physics
Polish Academy of Sciences
announces a competition for the position
ADIUNKT /post-doc/AP-II-NZ23-1/25
in Department of Ultrarelativistic Nuclear Physics and Hadron Interactions/NZ23/
Division of Nuclear Physics and Strong Interactions/NO2/.

Deadline for application :	Expected term of employment:	Type of contract:	Number of positions:	Application address:
November 5th 2025, by 12:00 pm (noon) CET	First half of 2026 for define period up to 33 Months	contract of employment, full-time at IFJ PAN as the only place of work	2	 jobs@ifj.edu.pl

<https://www.ifj.edu.pl/kariera/zasady-zatrudniania/>

I. Keywords:

Collisions of relativistic atomic nuclei, CERN, ALICE, ALICE III, FIT, FoCal, quark-gluon plasma

II. Description:

A person employed as an adjunct (post-doc) for a define period up to 33 Months at the Department of Ultrarelativistic Nuclear Physics and Hadron Interactions- NZ23 at IFJ PAN will be obliged to participate in work on research topics and projects implemented and planned for the nearest period at the NZ23 Department, in connection with the ALICE experiment at CERN. The basic tasks of the employed person will include: data analysis from the collisions of ultrarelativistic nuclei, work on the phenomenological description of the obtained results, work on software development of the ALICE experiment, development of the FIT and FoCal detectors of the ALICE experiment, work towards the development of the ALICE III detector design.

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 in physics or related disciplines,
- Scientific achievements documented by publications in prestigious international scientific journals,
- Knowledge of high-energy atomic collision research,
- Ability to work in an international team,
- Good programming skills and experience working with large computational codes,
- Very good command of English, both spoken and written,
- High motivation for further personal development.

Welcome:

- Completed internship/doctoral studies at a scientific institution abroad
- Ability to plan research on large research equipment.



IV. Salary offered

A person employed at the position of Assistant Professor with a PhD degree will receive a monthly basic salary of **PLN 7,000 gross**, and with a postdoctoral degree (habilitation) of **PLN 7,800 gross**. The total amount of remuneration is influenced by **additional components**, such as: length of service and allowance for 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 NZ23 Department, prof. dr Marek Kowalski (marek.kowalski@ifj.edu.pl) 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.

The Director reserves the right to cancel the competition at any stage without giving any reason.

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, **placed in a single file**, shall be sent by e-mail by **November 5th, 2025** by 12:00 pm (NOON) CET to the following address: jobs@ifj.edu.pl with the note „**Adjunkt/postdoc/AP-II-NZ23-1/25**”
- 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 **December 2nd, to December 4th**. Candidates qualified for interviews shall be notified by e-mail about the exact date of the Interview **by November 17th, 2025**. 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 December 19th 2025**
- Each candidate shall be notified by e-mail about the results of the competition.
- **The final decision on employing 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).