




Kraków, February 26, 2024

**The Henryk Niewodniczański Institute of Nuclear Physics  
Polish Academy of Sciences**  
announces a competition for the position  
**ADIUNKT /post-doc/ - AP-NZ14/24**  
in Department ATLAS Experiment /NZ14/  
Division of Particle and Astroparticle Physics /NO1/.

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

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

### I. Keywords:

ATLAS, HL-LHC, particle physics, High Energy Physics, ITk Strip.

### II. Description:

A person employed as an adjunct (post-doc) for a define period up to 33 Months at the Department ATLAS Experiment - NZ14 at IFJ PAN will be obliged to participate in work on research topics and projects implemented and planned for the nearest period at the NZ14 Department.

The basic tasks of the employed person will include: make contribution to the design, integration and commissioning of the new microstrip tracking detector ITk Strip for ATLAS experiment Upgrade for HL-LHC and physics analysis of heavy ion collision data from ATLAS experiment. 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:

- doctor degree in physical sciences or related disciplines: Particle Physics, Detector Physics, Electronics
- qualifications necessary to carry out research tasks carried out at NZ14,
- knowledge of the analysis techniques in high energy physics,
- experience with particle physics experiments, particularly in the context of large-scale collaborations such as ATLAS, CMS, or similar,
- proficiency in programming languages such as C++ and Python, as well as data analysis tools such as ROOT.
- very good knowledge of spoken and written English,
- ability to document research activities, results, and findings for internal reports, conference presentations, and academic publications.

Welcome:

- background in detector development, with experience in silicon sensors, readout electronics, power supplies, detector control systems or related technologies,
- hands-on experience with electronic laboratory equipment like power supplies, oscilloscope, multimeters.



#### 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 NZ14 Department, prof. Ewa Stanecka 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](mailto:jobs@ifj.edu.pl) with the note „**Adiunkt/post-doc/AP-NZ14/24**”
- The employment recommendation from the two referees shall be sent directly, bypassing the candidate, to the following e-mail address: [jobs@ifj.edu.pl](mailto:jobs@ifj.edu.pl)

#### VIII. Conclusion of the competition

- Interviews with candidates shall take place from **June 10<sup>th</sup>, to June 12<sup>th</sup>, 2024**. Candidates qualified for interviews shall be notified by e-mail about the exact date of the Interview **by May 24<sup>th</sup>, 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 28<sup>th</sup>, 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](mailto:jobs@ifj.edu.pl)).