




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-NZ15/24
in Department of Cosmic Ray Research and Neutrino Studies/NZ15/
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	 jobs@ifj.edu.pl

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

I. Keywords:

The Pierre Auger Observatory, Cosmic-Rays, Extensive air showers.

II. Description:

A person employed as an adjunct (post-doc) for a defined period up to 33 Months at the Department of Cosmic Ray Research and Neutrino Studies - NZ15 at IFJ PAN will be obliged to participate in work on research topics and projects implemented and planned for the nearest period at the NZ15 Department. The basic tasks of the employed person will include:

- Reconstruction and analysis of the Pierre Auger Observatory first data from the AugerPrime detector using modern techniques of machine learning,
- Study of hadronic interactions in extensive air showers,
- Participating in data-taking shifts for the Pierre Auger Observatory in Malargüe (Argentina).

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 physical sciences obtained in the last 10 years,
- scientific publications in prestigious international journals,
- experience in experimental data analysis, which includes technical tasks, such as programming in at least one of the languages: Python, C, C++, ROOT environment,
- ability to work in a team,
- very good knowledge of spoken and written English,
- ability to think analytically and formulate conclusions independently,

Welcome:

- knowledge of research topics in astrophysics, particle physics or cosmic rays.



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 NZ15 Department, prof. Dariusz Góra 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-NZ15/24**”
- 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 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).