Centrum Fizyki Teoretycznej
Polskiej Akademii Nauk
Aleja Lotników 32/46, 02-668 Warszawa
Tel. +48 573 823 493
E-mail: cft@cft.edu.pl,
NIP: 525-000-92-81, REGON: 000844815

HR EXCELLENCE IN RESEARCH

Assistant

Ref Number: BCZ/28/2025
Location: Warsaw, Poland
Salary: around 8000-9000 PLN gross/month) depending on candidate's qualifications and experience)
Number of positions available: 1
Work Arrangement: In-Person / Hybrid
The role is available from 15.01.2026 for the period 6 months

Important Dates:

1. Application deadline: 10.11.2025.
2. Candidates will be informed about the results by 17.11.2025.

Founding Source:
Project ERC Synergy „Sub-percent calibration of the extragalactic distance scale in the era of big surveys" is funded by the European Research Council (contract number: 951549).
Project website: https://cordis.europa.eu/project/id/951549

About us

The Center for Theoretical Physics of the Polish Academy of Sciences (CTP PAS) is a research institute focused on the study of theoretical physics. The CTP is located in Warsaw, Poland, and was founded in 1980.

The CTP PAS conducts research in various fields of physics, including quantum information, space and gravity research, semiconductors, and atomic gases. The Institute's strategy is to employ the strongest scientists, giving them the freedom to conduct their research. This has resulted in the CTP's high standing in Poland, world-class publications (in Nature and Science), a large number of grants (approximately 30 projects), and participation in international consortia. In terms of citations per researcher, CTP PAS ranks among the leading institutions in Polish physics.

The CTP PAS also hosts a number of scientific events, including seminars, workshops, and conferences, which are open to the public. The Institute also creates educational content accessible on its official YouTube channel.

About the role

We are seeking a research assistant, who will join the group at the CTP PAS, led by prof. Bożena Czerny.

European Research Council
Established by the European Commission

Centrum Fizyki Teoretycznej
Polskiej Akademii Nauk
Aleja Lotników 32/46, 02-668 Warszawa
Tel. +48 573 823 493
E-mail: cft@cft.edu.pl,
NIP: 525-000-92-81, REGON: 000844815

HR EXCELLENCE IN RESEARCH

The primary responsibilities include improving the code fitting spectral data and time delay profiles for selected active galactic nuclei, performing relevant calculations, and assisting in the preparation of publications. Additional responsibilities may include observational data reduction.

Enquiries regarding the role or the recruitment process can be addressed to prof. Bożena Czerny (bcz@cft.edu.pl).

If you need reasonable adjustments or a more accessible format to apply for this job online, please contact recruitment@cft.edu.pl.

About you

Essential qualifications, experience and knowledge
knowledge of the physics of active galactic nuclei, experience in analyzing observational data for active galaxies (spectrum decomposition, time delay modeling)
Essential skills and abilities
Ability to use and modify codes for modeling spectra and time delays of active galactic nuclei, written in Fortran and Python, run in a bash scripting environment.

Desirable qualifications, experience and knowledge
Ability to apply for additional photometric observations of active galaxies through remote telescope networks, observational experience.

Desirable skills and abilities
Preparing presentations of results in the form of papers and publications

What we offer

- Full-time fixed-term employment contract,
- Salary: ca 8000-9000 PLN (gross) per month (depending on candidate's qualifications and experience),
- The scientifically stimulating research environment,
- Friendly and flexible work environment,
- Sharing knowledge and experience,
- Flexible working hours,
- Diverse and inclusive culture where mutual support, team work and respect are highly valued,
- Multisport card subsidy,
- Holiday subsidy,
- Nursery and kindergarten subsidy.

European Research Council
Established by the European Commission

Centrum Fizyki Teoretycznej
Polskiej Akademii Nauk
Aleja Lotników 32/46, 02-668 Warszawa
Tel. +48 573 823 493
E-mail: cft@cft.edu.pl,
NIP: 525-000-92-81, REGON: 000844815

HR EXCELLENCE IN RESEARCH

We will consider applications to work on a part-time and flexible basis wherever possible. We encourage you to discuss your flexible working needs during the interview process.

How to apply

Applications should be sent to: recruitment@cft.edu.pl, by 10.11.2025, with the reference number (“BCZ/28/2025") in the subject line.

Required documents:

1. The scientific CV, including the progress in the university studies, scientific achievements (publications, participation in research projects and conferences), with the clause "I agree to the processing of my personal data contained in the application documents for the purposes necessary for the implementation of the process recruitment by CTP PAS".
2. Cover letter.
3. A copy of the MSc degree diploma.
4. Copies of documents confirming scientific or professional achievements.
5. In addition, the candidate should arrange for at least one letter of recommendation from an independent academic staff member to be sent, providing an opinion on the candidate and his/her previous scientific activity.
6. Signed Data Privacy Statement (*EN + PL - GDPR clause*).

Only shortlisted candidates will be contacted.

How we recruit

We carefully review every submitted application. Those whose experience and competencies align with our needs and requirements are invited to an interview (usually held online).

We stay in touch with candidates throughout the entire process, ensuring that interviews take place in a friendly atmosphere, and providing feedback after the interviews. We approach each candidate individually, also considering the needs of people with disabilities.

We appreciate all feedback received after the recruitment process. It motivates us to improve our recruitment efforts.

Our commitment to Equality, Diversity and Inclusion

The CTP PAS operates in an all-inclusive environment irrespective of personal, physical, or social characteristics. Teamwork is highly valued, individual strengths are recognised and appreciated, and we are committed to advancing the careers of everyone.

European Research Council
Established by the European Commission

Centrum Fizyki Teoretycznej
Polskiej Akademii Nauk
Aleja Lotników 32/46, 02-668 Warszawa
Tel. +48 573 823 493
E-mail: cft@cft.edu.pl,
NIP: 525-000-92-81, REGON: 000844815

HR EXCELLENCE IN RESEARCH

Equality, respect, and openness are fundamental values in an academic environment, where diversity is essential. We strive to provide a safe and inclusive space for everyone who is part of our scientific community.

The CTP PAS has regulations for reporting violations of law and protection of whistleblowers.

European Research Council
Established by the European Commission