

Center for Theoretical Physics Polish Academy of Sciences





Aleja Lotników 32/46, 02-668 Warsaw
Tel. (+48 22) 847 09 20, Fax/Tel: (+48 22) 843 13 69

E-mail: cft@cft.edu.pl, NIP: 525-000-92-81, REGON: 000844815

Warszawa, 2024-04-09

Auxiliary position at Center for Theoretical Physics PAS

The Director of the Center for Theoretical Physics PAS invites applications for **auxiliary technical position** at the CTP PAS, financed from the project MAESTRO 15 "Dynamics of processes around compact stars" funded by National Science Center (registration No. 2023/50/A/ST9/00527).

PI of the project is Prof. dr hab. Agnieszka Janiuk.

The aim of the project is to study accretion flows around compact stars, such as black holes and neutron stars. Using numerical computer simulations, a model of the accretion disk instability, driven by a dominant radiation pressure (RPI), is studied. We also study the black hole accretion and ejection of plasma in a form of jets and winds, related to gamma ray bursts (GRBs) and kilonovae. For this research, we use computer codes based on Relativistic Magneto-hydrodynamics, developed by project PI and her group.

The scope of work of the successful Candidate within the project will be on software development to support the HARM and GLADIS codes. Additional tasks are related with: code installation and testing on different HPC platforms, libraries and compilers, code debugging and backward compatibility checks. Maintaining the version control repository. Development of scientific visualisation scripts. Help in development and maintaining the project website and social media services.

We expect the candidates to have:

- At least MSc degree in physics or astronomy,
- Proficiency in C/C++ and python.
- Minimum 2 years of experience with tasks similar to the scope of work.
- Ability to quickly learn new technologies and evolving requirements such as compiler updates, library evolutions, Operating Systems progressions, and hardware advances.
- Independence and creativity in solving problems.
- PhD degree in astrophysics will be a plus.

The application must include:

- 1. The Candidate's CV, including the complete history of past employment.
- 2. Cover letter.
- 3. A copy of the MSc or PhD degree diploma.
- 4. Personal Questionnaire.
- 5. RODO clause.
- 6. One letter of recommendation from previous employer.

The application should be submitted electronically to <u>rekrutacja@cft.edu.pl</u> between 2024-04-09 and 2024-05-31. In the e-mail's title please add the reference number: AJ/05/2024 Selected Candidates will be invited to an interview, to be held in the 1stnd week of June (06-03 to 06-07).

The salary for the full-time contract will be approximately 6 980,50 gross PLN per month.

The competition will be settled by 2024-06-15. Candidates will be informed electronically on the results of the competition. Starting of employment is scheduled for 2024-07-01.

Link to the Astrophysics Group website:

https://ra.cft.edu.pl/index.html

Link to the Project PI website:

https://ajaniuk.cft.edu.pl/

If you have any questions, please send an e-mail to: agnes@cft.edu.pl.

Information Clause – Job Recruitment
Information Obligation under the Article 13 of the RODO *:
1. Data Administrator The administrator who is a deciding entity on how your personal data will be used is the Center for Theoretical Physics PAN represented by the Director with the seat in Warsaw Al. Lotników 32/46. You can contact the Administrator by using one of the contact forms available on the website: http://www.cft.edu.pl/
2. Data Protection Inspector The Director of the Center for Theoretical Physics of the Polish Academy of Sciences has appointed the Data Protection Inspector (Inspektor Ochrony Danych - IOD) with whom you can contact in all matters relating to your personal data. You can contact the Inspector by sending an email to: iod@cft.edu.pl
3. The Purposes of Processing and the Legal Basis for Processing Your personal data will be processed for the purpose of running the current recruitment. The basis for the processing of personal data are the provisions of the Labor Code Act of June 26, 1974 (uniform text: Dz. U. of 2018, item 917) and based on your consent for data processing.
4. The Period of Storage of Personal Data Your personal data will be kept for the duration of the present recruitment.
5. Data Recipients** The recipients of your personal data will be only entities authorized to obtain personal data on the basis of the law. Access to your data is provided only to employees authorized by the administrator and associates who must have access to the data to perform their duties.
6. Your Processing Rights You have the right to access your data and the right to correct it or limit processing, as well as the right to appeal against the processing.
7. The Obligation to Provide Data and the Consequences of not Providing Data Providing your personal data specified in the Labor Code is obligatory, and for the remaining extent voluntary. 8. The right to make a complaint to the President of the Office for the Protection of Personal Data When you feel that the processing of personal data violates the provisions of the general regulation on the protection of personal data, you have the right to make a complaint to the President of the Office for the Protection of Personal Data.
Consent to Data Processing
I consent to the processing of my personal data by the Center for Theoretical Physics PAN for the needs of:
□ Present recruitment.
I provide the data voluntarily and I declare that they are truthful. I got acquainted with the contents of the above information, including information about the purpose and methods of processing personal data and the right to access my data and the
right to correct them.
signature of the candid

^{*} Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 / EC (general regulation on data protection)