

Warsaw, July 31, 2024

Competition for One Postdoctoral Researcher Position in Computational Cosmology at the Center for Theoretical Physics PAS

The Director of the Center for Theoretical Physics PAS announces a competition **for one post-doctoral researcher position** in computational cosmology at the Center for Theoretical Physics PAS (CTP PAS) in Warsaw, Poland. The position is part of the research project **SONATA 19 PAIRS: Pairwise Velocities in the Context of the Cosmic Web**, funded by the National Science Center (project registration number: 2023/51/D/ST9/02919). The project is led by Dr. Mariana Jabbar.

This research programme aims to extract valuable information from **galaxy velocities** and their spatial distribution within the **cosmic web**. The primary objective is to derive **robust, independent constraints for key cosmological parameters**. This involves predicting the relative infall motions of galaxy pairs using a unique combination of analytical and numerical templates.

The scope of the project puts special emphasis on the analysis of numerical simulations and advanced data analysis using computational techniques. Experience in working with cosmological simulations, Montecarlo sampling techniques, and/or practical knowledge of handling halo trees will be an added value.

The position will be available initially for one year, with a possible extension for up to 2 years, subject to satisfactory performance. The successful applicant can also benefit from the group's close links with **SDSS**, **LSST** and **4MOST** consortia.

We seek candidates with a Ph.D. degree (awarded no earlier than in 2017*) in astronomy, physics or computational sciences.

The salary will be higher than the usual Polish post-doc rate and will amount to **117 000 PLN** (~27 000 EUR) per annum (before taxes and social security contribution). There is also a dedicated travel budget of **2500 EUR per year** and **2500 EUR for personal computing equipment**.

This role does not involve teaching responsibilities. However, there are opportunities to deliver lectures within the Center for Theoretical Physics, which can be compensated separately. Candidates are also encouraged to pursue other sources of funding available within the CFT or from the National Science Center (NSC).

Interested candidates should submit their application documents electronically to the email **address** **rekrutacja@cft.edu.pl** by **October 25, 2024**, indicating the reference number of the announcement **MJ/15/2024**:

1. Cover letter,
2. Brief research statement (max. 3 pages + references),

3. CV and publication list in a single PDF file,
4. At least two letters of recommendation,
5. Signed GDPR clause.

Selected candidates will be invited for an interview in the first week of November (November 4-8), and the results will be announced by November 15. The position will remain open until a suitable candidate is found. For further information, please contact Dr. Mariana Jaber (jaber@cft.edu.pl). The Center for Theoretical Physics of the Polish Academy of Sciences is an equal opportunity employer. Women and members of underrepresented groups are particularly encouraged to apply.

***This date may be extended by any period of official maternity or paternity leave; please contact us for further details.**

<p>Information Clause – Job Recruitment</p> <p>Information Obligation under the Article 13 of the RODO *:</p> <p>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/</p> <p>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</p> <p>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.</p> <p>4. The Period of Storage of Personal Data Your personal data will be kept for the duration of the present recruitment.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Consent to Data Processing</p> <p>I consent to the processing of my personal data by the Center for Theoretical Physics PAN for the needs of:</p> <p><input type="checkbox"/> Present recruitment.</p> <p>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.</p>

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signature of the candidate

* 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)