

Warsaw, 12/05/2025

### Competition for one R2-level researcher at the Center for Theoretical Physics, PAS

The Director of the Center for Theoretical Physics of the Polish Academy of Sciences (CTP PAS) invites applications for one R2-level researcher ("PhD holder or researcher with an equivalent level of experience and competence") at CTP PAS, within the ERA Chair project EUCENTRAL (project no 101186579; <https://eucentral.cft.edu.pl/>) financed by the European Union. The project is led by Prof. Marzena Szymańska, ERA Chair Holder.

#### Responsibilities:

- development of positive P and truncated Wigner methods for spin lattices;
- adjusting codes for broader use;
- preparing tutorials for software to solve many-body quantum problems;
- ERA Chair grant-related numerical methods dissemination activities.

#### Required qualifications and skills:

- experience in creating and implementing scientific software;
- experience with stochastic phase-space methods in particular positive P and truncated Wigner methods in application to bosonic and spin lattice models;
- experience implementing methods for open quantum systems.

The position is offered for a period of **6 months**. The earliest starting date is **4 August 2025**. The salary is **~11k PLN gross**.

#### The application should include:

1. Scientific CV including publication list, participation in research projects and conferences (with the clause *"I consent to the processing of my personal data necessary for the recruitment process in accordance with the Regulation of the European Parliament and of the*

*Council (EU) 2016/679 of April 27, 2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data (GDPR)");*

2. Signed RODO clause;
3. Motivation letter, with a brief description of the Candidate's scientific interests and future research plans;
4. A copy of the PhD diploma, or a statement from the PhD Advisor on the planned date of the thesis defense or a statement on the Candidate's qualifications;
5. Applicants should also arrange to have at least one letter of reference sent separately to the email address given below.

The documents should be sent electronically until 12.06.2025 to [rekrutacja@cft.edu.pl](mailto:rekrutacja@cft.edu.pl). **In the title of the email please add the reference number: MSz/09/2025. The competition will be concluded by the end of June 2025.**

Center for Theoretical Physics PAS adheres to the Internal Reporting Regulations, which outline the procedure for reporting legal violations and subsequent actions. The full text of the regulations is available on the Institute's website.

#### DATA PROCESSING BASED ON CONSENT FOR THE PURPOSE OF RECRUITMENT

Based on art. 13 sec. 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation), OJ EU L 119 of 04.05.2016, p. 1, as amended, hereinafter referred to as "GDPR", we inform you that:

1. The Administrator, i.e. the entity deciding how your personal data will be used, is the Center for Theoretical Physics of the Polish Academy of Sciences represented by the Director with its registered office in Warsaw, Al. Lotników 32/46. You can contact the Administrator using one of the forms of contact provided on the website: <http://www.cft.edu.pl/> e-Delivery: AE:PL-70094-67250-UUVRJ-24
2. The Director of the Center for Theoretical Physics of the Polish Academy of Sciences has appointed a Data Protection Officer (DPO), with whom you can contact in matters concerning your personal data.
3. You can contact the DPO by sending an e-mail to the following address: [iod@cft.edu.pl](mailto:iod@cft.edu.pl)
4. Your personal data will be processed for the purpose of conducting the recruitment process for the position of .....
5. The processing of your personal data in the scope of: name and surname, date of birth, correspondence address, information on education and the course of previous employment will take place on the basis of art. 22<sup>1</sup> § 1 of the Act of 26 June 1974 - Labor Code. To the extent that you send us more personal data than indicated above, we process your data based on your consent.
6. Your personal data will be stored for 1 month from the end of the recruitment process. In the event that you express your consent to the processing of personal data for future recruitments, we will process your data until you withdraw your consent, but no longer than for a period of 6 months from the date of your application.
7. In the event that you use the e-Delivery system, your personal data may be transferred to the e-Delivery service provider, i.e. Poczta Polska S.A. as a public provider or another selected non-public provider, in accordance with applicable law.
8. Providing the above data to the extent indicated above is a statutory requirement resulting from art. 22<sup>1</sup> § 1 of the Act of 26 June 1974 - the Labor Code, in the remaining scope, providing data is voluntary. Failure to provide the data referred to in art. 22<sup>1</sup> § 1 of the Act of 26 June 1974, the Labor Code, will result in the inability to consider your application for the offered position.
9. You have the right to request from us access to your personal data, their rectification, deletion, restriction of processing.
10. You have the right to lodge a complaint with the President of the Office for Personal Data Protection.
11. At any time, you have the right to withdraw your consent to the processing of your personal data to the extent to which they were granted. Withdrawal of consent will not affect the processing that was carried out on the basis of your consent before its withdrawal.

#### Content of consent:

I consent to the processing by the Center for Theoretical Physics of the Polish Academy of Sciences for the purpose of conducting the recruitment process for the position of ..... my personal data contained in the submitted recruitment documents.

If you want us to consider your application in subsequent recruitment processes, please provide additional consent:

I consent to the processing by the Center for Theoretical Physics of the Polish Academy of Sciences of my personal data contained in the submitted recruitment documents in subsequent recruitment processes taking place within 6 months from the date of publication of this job advertisement.

date, signature of the Candidate