

Warsaw, December 05, 2024

Competition for the position of PhD student fellowship at the Center for Theoretical Physics

The Director of the Center for Theoretical Physics PAS invites applications for **one** PhD student fellowship at the CTP PAS, financed from the project **PRELUDIUM BIS 'Studies of Spectrum Broadcast Structures in Quantum Open Systems Models'** financed from National Science Center (registration No. **2023/50/O/ST2/00630**). PI of the project is Dr hab. Jarek Korbicz.

We are looking for a candidate with a solid theoretical knowledge of quantum mechanics and enthusiastic about working on quantum foundations and quantum information theory. The main task within the project is to conduct theoretical investigations of advanced forms of quantum-to-classical transition and decoherence such as Spectrum Broadcast Structures and quantum Darwinism in various open systems models and write a doctoral thesis based on them. The project starts on **2025-01-15** with the duration of **4 years**. Details of the project can be found under the link:

<http://warsaw4phd.eu/en/candidates/research-projects/>, tab Center for Theoretical Physics PAS.

The application must include:

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 the doctoral school Warsaw-4-PhD".
2. Motivation letter.
3. A copy of the master's degree diploma (by 2025-01-06)
4. Copies of documents confirming scientific or professional achievements.
5. Two letters of recommendation from a researcher with at least a PhD degree, concerning the candidate and his/her current scientific activity.

The application should be submitted electronically via the recruitment system at <http://www.warsaw4phd.eu> between **2024-12-19** and **2025-01-06**. If you have any questions, please send an e-mail to rekrutacja@cft.edu.pl.

Interviews of candidates are held: from **2025-01-27 to 2025-01-30**. Candidates will be informed electronically of the results of the competition. **The scholarship (around 4600 PLN per month)** will be awarded in accordance with Annex No. 2 to the Regulations on the Allocation of Funds for Tasks Financed by the National Science Centre in the Scope of Research Projects, as specified in Resolution No. 50/2023 of the NCN Council dated 11

7.
Date, signature of applicant



Center for Theoretical Physics
of the Polish Academy of Sciences

Aleja Lotników 32/46, 02-668 Warsaw

Tel.: +48 573 823 493

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



HR EXCELLENCE IN RESEARCH