

RA/18/2025

Warsaw, 2025-09-09

OPENING FOR POST-DOCTORAL POSITION IN QUANTUM INFORMATION IN THE CENTER FOR THEORETICAL PHYSICS PAS

The Director of the Center for Theoretical Physics of the Polish Academy of Sciences (CTP PAS) in Warsaw (Poland) announces a competition for one post-doc position within the NeQST project '*Next level Quantum information processing for Science and Technology*' funded by the European Commission (grant agreement ID: 101080086).

The project website: <https://neqst-he.eu/>.

The successful candidate will join the **Quantum Information Group at CTP PAS** (<https://www.cft.edu.pl/grupa-naukowa/quantum-information>) led by **Remigiusz Augusiak** (website: <http://raugusiak.weebly.com/>).

The candidate must have a Ph.D. degree in theoretical quantum physics (or mathematics) and solid experience in quantum information theory. Good knowledge of mathematical methods of physics and/or computational skills will be also appreciated. The subject of the CTP's part of the project is widely-understood characterization, detection as well as verification and certification of quantum resources such as entanglement, Bell non-locality and quantum states, measurements, or generally quantum operations. The research has a fundamental character.

The position will be granted for up to **five months, until the end of February 2026**.

The net monthly revenue is approx. 8000 PLN net (depending on the candidate's qualification and experience).

Required documents:

1. The scientific CV, including publication list, participation in research projects and conferences (with the clause 'I hereby consent to the processing of my personal data for the purposes necessary to carry out the recruitment process in accordance with 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 (GDPR)').
2. Motivation letter, with a brief description of the Candidate's scientific interests and future research plans.
3. A copy of the PhD diploma, or statement from the PhD advisor on the planned date of defense (the PhD should be awarded before the post-doc contract starting date).
4. A recommendation letter from a senior researcher, to be sent by them independently to the email address provided below.

The documents should be sent electronically to rekrutacja@cft.edu.pl, by **September 23, 2025**, with obligatory consent to process the personal data (see below). Please add the reference number in the e-mail's title: **RA/18/2025**.

All questions regarding the position should be directed to augusiak@cft.edu.pl.

Selected Applicants will be invited for an interview which will be held either at the institute or via online communicators. The competition will be settled by the end of September 2025 and the selected candidates will be informed by e-mail.

The preferred start date of employment is **October 1, 2025**.

