

FORM FOR EMPLOYERS

INSTITUTION ; Institute of Physics of the Polish Academy of Sciences

CITY Warsaw

POSITION Postdoc in theoretical physics

DISCIPLINE Physics

POSTED 20/10/2026

EXPIRES 30/11/2026

WEBSITE

https://www.ifpan.edu.pl/images/instytut/Oferty_pracy_i_konkursy/2026/2026-10-20_Postdoc_033-2026_EN.pdf

KEY WORDS Postdoc, Physics, theoretical

DESCRIPTION (field, expectations, comments):

Job Description:

The Institute of Physics, Polish Academy of Sciences calls for applications for an open Postdoc position in the QUANTERA 2025 QUASIMODO research project on the development of the theory of topological spin and spin squeezing using synthetic dimensions in multicomponent ultra-cold atomic systems.

Requirements:

- A PhD in physics (or PhD thesis submitted) obtained no earlier than 12 years before 1st January 2026 (calculated according to the official rules of NCN, Annex to NCN Council Resolution No.87/2024 of 5 September 2024).
- Theoretical background in a related field, preferably in theory of ultra-cold atoms and quantum optics, demonstrated by publications.
- Experience in analytical and numerical modelling.

- Ability to work in a team as well as independently.
- Fluent spoken and written English.

What we offer:

- A supportive, friendly, and stable working environment with opportunities for career development, both within Poland and internationally.
- The chance to build expertise in the theory of ultra-cold atomic gases and in analytical and numerical modelling.
- The opportunity to contribute to innovative research with potential for significant scientific impact.

Type of Contract: Fixed term (24 months)

Status: full-time employment

Salary: approximately 11 700 PLN per month gross before taxes and applicable social security contributions (full employer cost of 14 166 PLN per month from the project, i.e. 170 000 PLN per year; the exact gross amount depends slightly on applicable social security contributions)

Contact

More information can be obtained from dr hab. Emilia Witkowska (webpage: theory.ifpan.edu.pl) (e-mail: ewitk@ifpan.edu.pl).

Application details

Application deadline: November 30th, 2026. Later applications will not be considered.

Required materials:

- Curriculum Vitae
- Motivation letter
- List of publications

- Contact data (e-mail) to at least two scientists willing to provide reference letters.
- Consent to process your personal data (expressed on the attached form)

For legal reasons we will not be able to process your application without this!

All materials should be submitted in electronic form to the address:

rekrutacja@ifpan.edu.pl with

Job ID in the subject. #JOB 33/2026

We encourage people with disabilities to apply. We provide friendly working conditions.

The Institute of Physics of the Polish Academy of Sciences has Rules for Internal Reports specifying the procedure for reporting violations of law and taking follow-up actions, which can be found on the Institute's

website at the link:

<https://www.ifpan.edu.pl/en/institute/internal-reports-concerning-violations-of-law.html>