

Tytuł projektu:

Spectroscopy of quantum systems by means of exact and fast localization of optical cavity resonances

Nazwa stanowiska:

Student-stypendysta

Liczba stanowisk: 1

Miasto: Toruń

Link do strony www jednostki: <https://www.fizyka.umk.pl>

Wymagania:

- Skills with atomic and molecular physics
- Written and verbal communication skills as well as presentation skills.
- Teamwork ability.
- Good command of English.
- According to the NCN requirements, the candidate has to be a student.

Opis zadań:

Research tasks will be carried out as part of the NCN Opus 20 project "Spectroscopy of quantum systems by means of exact and fast localization of optical cavity resonances".

Task: **Advanced analysis of experimental data in high-resolution spectroscopy**

This task focuses on applying rigorous data analysis methods to experimental spectroscopic data. The student will use computational tools, including statistical methods, physical model fitting, and uncertainty analysis, to extract meaningful physical insights and identify fine spectral features. The goal is not only to interpret results, but also to develop robust and reliable analysis procedures.

Typ konkursu: Opus

Grupa nauk: ST

Termin składania ofert: 22.05.2026 15:00

Forma składania ofert: e-mail

Warunki zatrudnienia:

Scholarship duration: 3 months. 01.07.2026-30.09.2026

Amount: 4 000 PLN (brutto brutto) / month

Dodatkowe informacje:

The scholarship is awarded in accordance with the rules contained in the Regulations for granting research scholarships of the National Science Center introduced by the resolution of the Council of the National Science Center No. 25/2019 of 14 March 2019.

Required documents (send to karolina.kitkowska@umk.pl with annotation "Opus-20.6.7"):

- Cover letter

- CV
- Copies of obtained diplomas and certificates (if any)
- Copy or scan of candidate's publications (if any)
- Information about scientific awards, scholarships and other distinctions (if any)
- Description of current research activity (if applicable)
- Consent to the processing of personal data (<https://www.fizyka.umk.pl/panel/wp-content/uploads/Zalacznik-bez-tytulu-00016.pdf>).
- Certificate of student status

All documents should contain the candidate's signature or its scan.

Language of application: Polish or English.

Selected candidates will be notified individually about the date of a possible interview.

In the event of resignation of the selected candidate, the right to indicate the next candidate from the ranking list is reserved.