



Institute of Physics of the Polish Academy of Sciences

Scholarship for a PhD Student



Job ID: #JOB 61/2020

Job Description

Job Title: PhD student in theory of ultracold quantum gases

Job Summary:

Numerical studies of the ground state of ultracold Rubidium atoms in $F=1$ state in the presence of fictitious magnetic field.

Job Description:

The post is financed by the National Science Center grant “Quantum Droplets” under contract no. UMO-2017/25/B/ST2/01943. The studies have theoretical character. The role of a successful candidate is to find a ground state of the ultracold system of Rubidium atoms in $F=1$ hyperfine state placed in the fictitious magnetic field created by optical means and analyze different contributions to the system energy (kinetic energy, magnetic energy, contact interaction energy) in order to gain an understanding of a nature of topological phase transition found in a preliminary studies of the system.

Main research field: Physics

Sub Research Field: Theory of ultracold atoms, Bose-Einstein condensation, Quantum Mechanics

Career Stage ([details](#)): Master of Sciences in physics

Research Profile ([details](#)): First stage researcher (R1)

Type of Contract: Temporary 6 month

Status: Part-time

Salary: 1,500 PLN per month (untaxed scholarship).

Contact

More information can be obtained from prof. Mariusz Gajda

(e-mail: gajda@ifpan.edu.pl), http://info.ifpan.edu.pl/ON-5/quantum_gases/

Application details

Application deadline: January 15, 2021. Later applications will be not considered.

Required materials:

- Curriculum Vitae
- List of publications (if applicable)
- List of scientific achievements in particular research experience, participation in international scientific conferences and workshops
- Certificate that candidate **is already** a participant of a PhD study or a PhD student at Doctoral School or in Poland.
- Recommendation letter of Master Thesis Supervisor (if applicable)
- Consent to process your personal data

All materials should be submitted in electronic form to the address: jobs@ifpan.edu.pl with Job ID in the subject.

Information clause – scholarship competition

Pursuant to Article 13 paragraphs 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals 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) Official Journal of the European Union, L 119, 4 May 2016, page 1, as amended, hereinafter referred to as “GDPR”, we hereby inform as follows:

1. The Institute of Physics of the Polish Academy of Sciences with its registered office in Warsaw, Al. Lotników 32/46, represented by its Director, is the Controller, i.e. an entity deciding about how your personal data will be used. You may contact the Controller using one of the contact forms available on the website: tel. (22) 116-2111, e-mail: director@ifpan.edu.pl
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed the Data Protection Officer (DPO), whom you may contact in matters relating to your personal data, by sending an email to the following address: iodo@ifpan.edu.pl
3. Your personal data will be processed in connection with your participation in the scholarship competition and if you win the competition, in connection with receiving the scholarship – on the basis of your consent – Article 6 paragraph 1 item a GDPR.
4. Your personal data will be processed for a period of 6 months after the end of the scholarship competition and in the case of receiving the scholarship – for a period resulting from legal and tax regulations;
5. Your personal data will be made available to other entities that can finance and settle the scholarship granted and entities authorized under provisions of law. Your data will only be accessed by people authorized by the Controller;
6. Provision of your personal data is mandatory; in the event of failure to do so, you will not be able to participate in the scholarship competition;
7. You have the right to access your data, the right to rectify it and limit processing thereof;
8. You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data violates provisions of the General Data Protection Regulation.

Consent to processing:

I hereby consent to the processing of my personal data contained in the application/request form by the Institute of Physics of the Polish Academy of Sciences to conduct the scholarship competition and in the case of being granted the scholarship, to pay and settle it. I provide my personal data voluntarily and I declare that it is accurate. I have read the content of the information clause.

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Date and signature