



Institute of Physics of the Polish Academy of Sciences

OPEN POSITION



Job ID: #JOB16/2018

Job Description

Job Title: Postdoctoral researcher in the theory of ultra-cold atoms

Job Summary:

Theoretical research on applications of ultra-cold atomic gases in the field of quantum metrology.

Job Description:

The postdoctoral researcher will be involved in realisation of the project "Entangled states for quantum metrology" funded by National Science Center, and will join a group working on the theory of multicomponent Bose-Einstein condensates. The main topic will be understanding of various aspects of decoherence on the spin-squeezed and entangled states generation with bimodal and spinor condensates.

Profile of the candidate:

- PhD degree in theoretical physics,
- research experience; background in physics of ultra-cold atoms, quantum information theory or quantum metrology will be advantageous,
- numerical modeling and programming skills,
- very good spoken and written English.

Main research field: Physics

Sub Research Field: Quantum mechanics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary for 12 months, with a possibility of extension.

Status: Full-time

Salary: 6000 PLN per month (before taxes).

Contact

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

Application details

Application deadline: June 15, 2018. **Later applications may also be considered.**

Required materials:

- Curriculum Vitae
- List of publications, research statement, names and contact informations of two researches who agreed to write a recommendation letter

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