

**M.Sc. / B.Sc. student position
in the Laboratory of Quantum Molecular Systems**

Project:

"Cooling and dynamics of polyatomic molecular ions immersed in ultracold atomic gases" within the SONATA grant from the National Science Centre. The project will be realized in the Centre of New Technologies at the University of Warsaw under the direction of **dr. Michał Tomza** (<http://quantmol.cent.uw.edu.pl>).

The aim of the project is to propose and theoretically investigate properties, interactions, dynamics, and potential applications in frontier research of polyatomic molecular ions immersed in ultracold atomic gases.

Candidate's profile:

- The status of an undergraduate student in physics, chemistry or related field.
- Wish to complete B.Sc. or M.Sc. thesis in physics or chemistry in our Laboratory.
- Interest in the subject and motivation to scientific work.
- Knowledge of quantum mechanics and experience in programming will be an additional advantage.

Application should include:

- Cover letter.
- Curriculum Vitae.
- Transcript of records from undergraduate studies.

Candidate should expect:

- Scholarship of **1000 PLN** or **500 PLN** (brutto) per month for 12 or 24 months.
- Participation in scientific schools and conferences.
- To learn and develop skills in the field of AMO physics and quantum chemistry.

How to apply:

Applications should be submitted to dr. Michał Tomza by e-mail: m.tomza@cent.uw.edu.pl not later than September 15, 2017.

All applicants are encouraged to contact dr. Michał Tomza prior to the application.