PhD position in experimental quantum atom optics (Hannover)

Thu, 2019-05-16 10:06 - Carsten Klempt [1] **At:** Leibniz Universität Hannover
Deadline: 15 June, 2019

Location

Institute of Quantum Optics Welfengarten 1
Hannover 30167 Germany
Phone: +49-511-762-2231
See map: Google Maps [2]

Research Assistant (PhD Student, m/f/d) in experimental physics

(Salary Scale 13 TV-L, 75 %)

The Institute of Quantum Optics invites applications for the position of a Research Assistant (PhD Student, m/f/d) in experimental physics (Salary Scale 13 TV-L, 75 %) starting in the near term. The position is limited to 3 years.

Mission

Bose-Einstein condensates (BECs) consist of indistinguishable atoms, which occupy the same quantum state – just as a laser beam consists of indistinguishable photons. The Quantum Atom Optics group at the Institute of Quantum Optics, led by apl. Prof. Dr. Carsten Klempt, generates highly entangled atomic states in BECs for fundamental quantum optics experiments and precision measurements. In the framework of this project, the group offers a PhD position. The objective of the thesis is the generation of Schrödinger cat states in BECs.

All PhD students take part in the program of the Collaborative Research Center Designed States of Quantum Matter and the newly acquired cluster of excellence QuantumFrontiers. The centres offer possibilities for conference participation, lab visits, and much more. Within the scope of your work, you will learn to use multiple state-of-the-art experimental methods and technologies (laser physics, high-frequency technology, analog and digital electronics, programming, magnetic field design, etc.).

Employment conditions

A master degree in physics or an equivalent is required for applicants. Experience in atomic and laser physics and/or quantum optics are helpful but not required.

As an equal opportunities employer, Leibniz University Hannover intends to promote women and men. For this reason suitably qualified women are specifically invited to apply.

Preference will be given to equally qualified applicants with disabilities.

Please submit your application with supporting documents by 15.06.2019 to:

Gottfried Wilhelm Leibniz Universität Hannover
Institut für Quantenoptik

Welfengarten 1
30167 Hannover

For further information, please contact apl. Prof. Carsten Klempt
(Email: klempt [at] iqo [dot] uni-hannover [dot] de).

Information on the collection of personal data according to article 13 GDPR can be found at https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/ [3].

- PhD [4]

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