



Max Planck Institute of Microstructure Physics

PhD Position

Quantum Hydrodynamics in Molecules

In the independent Max Planck Research Group "Current-carrying quantum dynamics" (CCQD) at the Theory Department of the Max Planck Institute of Microstructure Physics in Halle (Saale), Germany, we focus on research projects on ionization dynamics in strong circularly polarized laser fields (project A), analysis and control of electron and nuclear currents (project B), and development and documentation of STEM terms in German Sign Language (project C).

Applications for a PhD position in the project B are warmly welcome.

The candidate should have a Master degree in physics or theoretical chemistry. Furthermore, the candidate should have skills to solve numerical problems in classical hydrodynamics (Navier-Stokes equations) and he/she should be willing to research how to apply them on quantum systems. Additional experiences in atomic, molecular and optical physics are beneficial. The working language in the Max Planck Institute is English and it is advantageous for applicants who are willing to learn and use sign language.

The Max Planck Society is interested in increasing the proportion of women among its scientists and strongly encourages women to apply. Applications from disabled candidates are encouraged as well and will be given priority in case of equal qualification.

A PhD position is available immediately for three years with the possibility of extension. Payment will be according to TVöD E13/2. This position will remain open until filled.

Applications should be sent as pdf files by e-mail, including CV, copies of the certificates and Master thesis, contact information of two referees, and statement of research interests.

Contact:

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