

# Postdoctoral Position in Quantum Physics

At the Institute for Complex Quantum Systems, Ulm University

We invite applications for a postdoctoral research position in the field **many-body quantum physics**, to be advised by Patrick Emonts. At the [Institute for Complex Quantum Systems](#), you will find a welcoming, open, and highly interactive research environment. Our work is collaborative and interdisciplinary, spanning the fields of computer science, physics and math and it is firmly embedded in the international quantum computing and quantum technology community.

## Job description

The topic of the postdoctoral project will lie at the exciting interface of **quantum information theory and many-body physics**. The aim of the project is to optimize state-preparation schemes on modern cold-atom quantum devices. The project is in collaboration with the University of Jena and Stuttgart. Apart from the research proposed in the project, there will also be ample opportunity to follow your own research interests. If you are curious about the research directions that we pursue in our group, you can find more detailed information on our website at [patrickemonts.com](http://patrickemonts.com).

The position is grouped as 100% TV-L E13, depending on previous experience.

## Profile

We strongly encourage you to submit an application if you have an academic background in **theoretical physics, computer science, or mathematics**, if you are highly motivated to pursue a postdoc, and if you are enthusiastic about collaborating and working at the interface of theory and experiment. The position is expected to begin in the spring of 2026.

## How to apply?

We look forward to receiving your online application with the following documents in a **single merged pdf file in this order**:

- a research statement (approx. 2 pages),
- a CV (max 2 pages),
- the contact details of one or two referees (we will contact them as we review the applications),

We are starting to consider applications on **December 31st, 2025**, but applications can still be submitted until the job is filled. **Please send the application via email to [patrick.emonts@uni.ulm.de](mailto:patrick.emonts@uni.ulm.de)**.

If you are in doubt if you should apply, or if you have any questions about the position, please do not hesitate to contact Patrick Emonts ([patrick.emonts@uni-ulm.de](mailto:patrick.emonts@uni-ulm.de)).