

At the Institute for Theoretical Physics at the University of Cologne, Germany, there is an opening for a

Head of a Junior Research Group on Entangled Quantum Matter

Conditions: The position is funded for four years, starting earliest January 1st, 2017. Salary and benefits will be according to German Public Service Sector salary group TV-L E15.

The group will be embedded in a vibrant research environment working on topological and correlated matter, quantum information, and driven many-body quantum systems. We expect that the group will actively participate in recently funded and planned collaborative research initiatives, in particular the transregional research center “Entangled States of Matter” in collaboration with Berlin, Copenhagen and the Weizmann Institute of Science, and the center “Quantum Matter and Materials” (QM²) a collaboration of groups in experimental and theoretical physics, chemistry and mathematics at the University of Cologne. Future research initiatives are geared towards quantum information processing and topological computational matter.

The candidate should have a strong postdoctoral research record at the intersection of **quantum information, topological matter, and quantum devices**. She or he is expected to be able to build up a research program as the head of an independent research group (funding for one PhD student and a travel budget is provided, further funding opportunities are anticipated). Remuneration is competitive (TVL-E15). For further information please contact Achim Rosch (rosch@thp.uni-koeln.de) or David Gross (david.gross@thp.uni-koeln.de).

The University of Cologne is committed to diversity, diversity of perspectives and equal opportunity. Applications of women are strongly encouraged and will be given priority in the event of equal suitability, competence and professional performance. Applications from people with a disability and their peers are especially welcome. People with a disability are preferred if equally qualified.

Interested applicants should send a full CV and a short description of possible future research projects. Review of applicants will begin immediately and continue until the position is filled. For primary consideration please submit all material electronically **by Dec. 11th, 2016**, and arrange for two reference letters to be sent to

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