

Open Call for PhD and postdoc positions

in Experimental and Theoretical Quantum Science



CENTER FOR COMPLEX
QUANTUM SYSTEMS

The newly founded **Center for Complex Quantum Systems** offers a vivid research environment at the exciting interface of quantum optics, quantum information science and many-body physics. Our research focuses on new hybrid quantum systems composed of interacting atoms, ions and photons, and seeks to deepen our understanding of collective quantum phenomena, and to facilitate the development of future applications by developing new techniques to control the dynamics of such quantum systems. Close links to other major research activities of the participating groups provide further opportunities to contribute to collaborative research efforts on quantum nonlinear optics, quantum computing, quantum communication, and quantum sensing.

We are looking for talented and highly motivated applicants with a keen interest in experimental and theoretical AMO physics, quantum information science and technology, quantum optics or statistical and many-body physics. The successful candidates should demonstrate both collaborative skills and an ability for independent original research.

The CCQ is aware of the under representation of minorities in physics, and will be happy to welcome and set up the means to mentor a diverse group of researchers who pursue early stage research with us.

The CCQ has been recently founded within the Center of Excellence framework of the Danish National Research Foundation and offers a lively platform for interactions across topics and departments in the broad area of quantum science. The Center wishes to provide optimal conditions for the personal and scientific development of its PhD students and postdocs, and the successful applicants are encouraged to participate in a variety of transferable skill courses, workshops and programs, offered by Aarhus University.

For more information on specific research directions please contact the participating PIs:

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