



PhD Position in Experimental Quantum Materials Research

University of Zurich, Institute of Physics

University of Zurich (UZH) is one of the largest and oldest schools of Switzerland. The physics institute of UZH, with approximately 150 employees, has great traditions with The group of Prof. Johan Chang currently seeking a highly motivated PhD candidate.

JOB DESCRIPTION: Quantum materials display a wealth of interesting phenomena such as for example superconductivity, metal-insulator transitions and charge-density-wave ordering. The fundamental organizing principles underlying these strongly correlated electron driven quantum phases are at the heart contemporary condensed matter physics. The recruited PhD student will be based at the University of Zurich but experiments will be carried out at synchrotrons and neutron facilities worldwide. The research will be focused but not limited to transition metal oxide materials.

QUALIFICATIONS: A required background for this position is a master degree in physics and ideally also a strong background in condensed matter physics. Prior knowledge of diffraction and / or spectroscopy techniques is an advantage but not mandatory. As the project is carried out through international collaborations adaptive communication abilities, and team player skills are valued. Finally, high proficiency in written and spoken English as well as programing languages (for example Matlab) is required.

SURROUNDINGS: Zurich is centrally located within Europe and the university of Zurich benefits from neighboring national institutes (ETHZ and PSI) which generate a vibrant academic atmosphere.

Further information about the research activities can found on:

<http://www.physik.uzh.ch/groups/chang/>

Applications and questions should be addressed to: johan.chang@physik.uzh.ch