**Development of software to control low-temperature experiments in applied magnetic fields**

Our research group focuses on exploring quantum phase transition in novel frustrated quantum magnets by using magnetic fields to tune the ground state energy. We are developing experimental capabilities to measure the specific heat and magnetocaloric effect at low temperatures and in high magnetic fields in order to investigate the phase boundaries of phase transitions at low temperatures. We are looking for a candidate student to develop and integrate the existing software in the group in order to control these experiments remotely. The required skills for this position are a good knowledge of condensed matter physics, and good computing skills using Python, Matlab, C and a good spoken and written English.

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