

## PhD in Quantum Algorithms

A PhD position is available working on near-term quantum computing at EPFL (Lausanne, Switzerland) within the group of Prof. Zoë Holmes. The student will work on developing quantum algorithms for Noisy Intermediary Scale Quantum (NISQ) hardware, with a particular focus on algorithms that are tailored to solving real world physics problems. The work will consist of a mixture of analytical calculations, numerical simulations and implementations on quantum hardware.

Experience in (some subset of) the following areas would be beneficial:

1. Quantum computing
2. Quantum information theory
3. (Quantum) Machine learning

Necessary qualifications:

1. Master degree in Physics, Mathematics or Computer Science from a recognised university
2. Research experience
3. Excellent English language skills
4. Enjoys collaborative work
5. Creativity and enthusiasm for all things quantum

Prospective candidates are invited to apply at <https://forms.gle/S4HazY1MURX85LeFA>.

Applications should include a CV and a cover letter. Promising candidates will be asked for references and invited to interview in February/March 2022.

Starting date: Autumn 2022