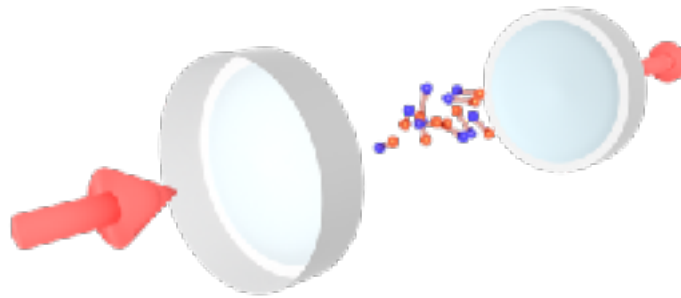


PhD Position

Cavity quantum electrodynamics and ultra-cold gases



The Laboratory for Quantum Gases at EPFL is looking for a PhD student to work on quantum simulation using cold Fermi gases and cavity quantum electrodynamics. The experiment uniquely combines a high-finesse cavity and a Fermi gas with tunable interactions [1], with the goals of exploring strongly correlated phases of matter.

The candidate should have experience in and/or strong willingness to learn quantum optics, atomic physics and strongly correlated matter. Practical skills such as Python programming, electronics and optical benches alignments are highly valued. We expect a motivated student with excellent background in physics and interest in experiments, and team playing abilities.

EPFL offers a motivating learning environment with an international character, attractive salaries and a very active community in the fields of quantum science and technologies.

The starting date is expected to be in spring 2027, with some flexibility. Candidates should contact Jean-Philippe Brantut (jean-philippe.brantut@epfl.ch) and provide a CV, a short motivation statement and two references of possible referees.

[1] More details on our [website](#)