

Bachelor and Master projects in experimental condensed matter physics

Our research group is focused on trying to understand novel materials that exhibit interesting behaviours and which are not yet fully (or not at all) understood. Examples include unconventional superconductivity, charge order, topological phases, and more.

We carry out both: experiments in our in-house lab and at large-scale synchrotron facilities like the Paul Scherrer Institute in Villigen or the Diamond Light Source in London.

A Ba/Ma project can consist of participation at measurements in these large facilities, where we typically carry out angle-resolved photoemission spectroscopy (ARPES), resonant inelastic x-ray scattering (RIXS) or hard x-ray diffraction.

Or it may be carried out in a more individual fashion by working in the lab - or a combination of the two.

The concrete topics and possibilities are constantly changing, so if you are interested, contact us directly (johan.chang@physik.uzh.ch) and we can see if we can provide a project that matches your interests.

For examples of previous Ba/Ma projects, visit our website at www.physik.uzh.ch/groups/chang/open_positions.php

