PhD Position

At the Experimental Physics VII (Prof. Dr. F. Reinert) within the Center of Excellence ct.qmat is now open one PhD position, with the theme

“New van-der-Waals bonded magnetic topological insulators and Weyl semimetals”

to be filled.

Description of project:

This project pursues a wide-ranging exploration of photoemission and soft X-ray spectroscopic studies of the surface electronic structure of new topologically non-trivial magnetic van der Waals materials. The aim is to establish the relationship between the magnetic phenomena and the electronic-structure signatures in these emergent classes of quantum materials.

Requirements:

We welcome applications from candidates with a Master degree in physics with top marks and with a background and interest in condensed matter, ultra-high vacuum, UV or X-ray spectroscopy. Candidates must prove a strong attitude towards experimental physics and the drive and capacity to tackle different aspects of a complex problem with large independence.

Application:

The application should include a CV, a list of exams with marks, a letter of motivation and two contacts for references. Candidates are urged to apply as soon as possible, as selection will start immediately.

Contact:

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