

ARPES investigations of bulk-insulating topological insulators*

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In this talk I will communicate the latest results from our programme aiming at generating single-crystalline, truly bulk-insulating 3D topological insulators and their investigation using angle-resolved photoemission spectroscopy and related techniques. Both topologically interesting and trivial surface states will be discussed (the latter both spin degenerate and spin polarized), with a focus on the time-, temperature- and adsorbate-dependent changes we track in the observed energetics of the different features in the electronic structure of these systems.

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