

Großes Physikalisches Kolloquium an der Universität zu Köln

Prof. Dr. Rupert Huber
University of Regensburg



09.01.2018
16⁴⁵ Uhr / HS III

Faster than a cycle of light

“

Latest progress in ultrafast optics allows us to accelerate electrons in solids directly by the carrier wave of light. A fascinating quantum world unfolds on the sub-optical-cycle scale, including Bloch oscillations, quasiparticle collisions, and high-harmonic generation. By combining this approach with ultramicroscopy we take the first femtosecond snapshot image of a molecular orbital and the first femtosecond single-molecule movie.

