

Colloquium

Wednesday, September 25th at 2 pm

Prof. Dr. Reinhard Dörner – Institut für Kernphysik

“Imaging molecules with photo electrons”

Abstract:

Photoabsorption and strong field ionization is an exquisit tool to gently break small molecules into several pieces (photoelectrons, Auger electrons, ionic fragments). When the momentum vectors of all of these fragments are measured in coincidence surprising details of the electronic and molecular wavefunction can be seen and their dynamical evolution can be imaged."