Quantum Dynamics in Tailored Intense Fields

Contribution ID: 5

Type: Talk

Strong-field control with minimally tailored laser pulses

Friday 16 February 2018 11:40 (20 minutes)

It is shown that two-photon strong-field ionization of atoms can be extremely well controlled – basically switching between no and complete ionization – with minor modification of the laser pulse. The underlying mechanism will be explained for a model system and realistic calculations for single-active-electron atoms are presented.

Primary author: SAALMANN, Ulf (Max-Planck-Institut für Physik komplexer Systeme, Desden)Presenter: SAALMANN, Ulf (Max Planck Institute for the Physics of Complex Systems, Dresden)Session Classification: Strong-field ionization

Track Classification: Contributed talk