Einladung

zum

Seminar des Instituts für Quantenphysik

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Adiabatic dressed potentials with cold atoms: Quantum technology applications

Dienstag, den 14.11.2017
11:00 Uhr
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Dressing atoms with radio-frequency and microwave radiation opens up new possibilities for cold atoms, and condensates, in new types of trap and in new topologies involving waveguides [1,2]. This is because of the flexibility inherent in the vector coupling of a magnetic dipole moment to electromagnetic fields which can be varied in time, frequency, orientation and space. This talk will introduce the adiabatic potentials and adiabatic trapping of atoms and give examples of the different types of atom trap together with applications to quantum technology.