Nonlinear Spectroscopy

Frequency
Every 2 years

Remarque
Next time: Spring 2020 - To be confirmed

Summary
Molecular properties relevant for spectroscopy...

Content
• Molecular properties relevant for spectroscopy
• Symmetry properties, space, time induced
• Susceptibility: Relation between molecular properties and macroscopic
• Optical properties
• Overview of nonlinear optical spectroscopies: SHG / SFG / CARS
• Nonlinear optical spectroscopy on planar surfaces
• Nonlinear optical spectroscopy on particle surfaces

Learning Prerequisites
Recommended courses
bachelor level physics / chemistry