

Physikalisches Kolloquium



Prof. Dr. Benjamin Dietzek,
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Thursday, 28.01.2016, 17:15, HS 100
Reception with coffee & cookies 16:45

Photoinduced Dynamics in Molecules – Technological Developments and Case Studies

Abstract

Photoinduced processes are at the core of solar energy conversion but are also of central importance in many biological processes, e.g. vision and photosynthesis, and pharmacological systems, e.g. for triggered drug release or in photodynamic therapy.

In this talk our recent endeavors in studying photoinduced excited state processes will be reviewed. Particular focus will be put on the excited-state physics of molecules that might serve as intramolecular electron reservoirs in photocatalysis and experimental approaches to study transient chirality on a sub-ps time scale in solution as well as experimental routes towards in cellulose photoinduced dynamics in molecular photodrugs.



All of you interested in physics are cordially invited!