



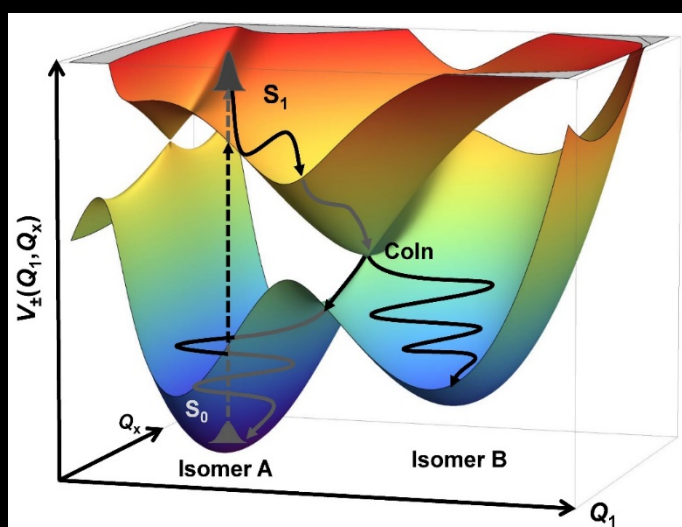
Innsbruck Physics Colloquium

Friedrich Temps
Universität Kiel



Ultrafast Photo-Induced Molecular Transformations in Multi-Dimensional Potential Energy Landscapes

The thrust into solar energy as help to solving challenging global demands has prompted booming interest in innovative applications of photochemistry and accompanying fundamental research in photo-induced chemical transformations. Our activities in the field relate to the ultrafast photophysical and photochemical dynamics in molecules and photoresponsive molecular nanosystems after absorption of a UV/Vis photon. Specific work projects range from the dynamics of isolated molecules under collision-free conditions in the gas phase, via molecular photoswitches and photoresponsive hybrid nanosystems in solution and in application-near environments, to the photostability of biological molecules like the building blocks of DNA. In the talk, I will discuss selected illustrative examples.



Tuesday, 14.11.2017, at 17:15 in lecture hall C

Innsbruck Physics Colloquium, Organisation: M. Beyer, H.-C. Nägerl, A. Reimer