

Dienstag, 05.02.2013

Hörsaal D, Chemie Zentralbau, 17:15 Uhr

Sprecher: Karsten Heyne
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**Thema: Real-time tracking of isomerization
and determination of electronic
transition dipole moments in
tetrapyrroles**

Abstract: Angle balanced polarization resolved fs UV/Vis pump IR probe spectroscopy provide direct insight into orientations of vibrational and electronic transition dipole moments (tdms). The relative angle between tdms allow for real-time tracking of structural changes. In phytochrome we followed directly the rotation of ring D in Pr and Pfr photoisomerization on a fs to ps time scale. Systems without photoisomerization (locked phytochrome and Al-Corroles) were investigated to identify new electronic transitions, their orientations, and triplet generation processes.

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Weitere Informationen unter
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