



Einladung

zu dem am Donnerstag, dem 1. Juli 2021, ab 14 Uhr
als Zoom-Videokonferenz

stattfindenden öffentlichen

wissenschaftlichen Habilitationsvortrag

I. Physikalisches Institut (Fach: Experimentalphysik)

von

Dr. Oskar Asvany

über das Thema

Reaction Microscope: Visualizing chemical reactions

It is a scientific dream to "observe" a chemical reaction in all its detail, i.e., to define and resolve all quantum levels of the involved (molecular) reactants and products. This dream can be turned into reality, at least for diatomic molecular systems, in a crossed molecular beams apparatus, in which two reactant beams are collided in a vacuum chamber, and the resulting product velocities and scattering angles measured. More recent developments allow even to detect rotation-vibration quantum states of the products, and thus to follow these reactions at an unprecedented level of detail.

P. van Loosdrecht
Dekan