

Cover Picture

Ralf I. Kaiser und Holger F. Bettinger

The cover picture shows benzoborirene, the product of the crossed-molecular-beam reaction between benzene molecules and boron atoms, displayed above the three-dimensional plot of the angular- and translational-energy-dependent flux of the benzoborirene molecules in the center-of-mass system. As the reaction conditions preclude secondary collisions, the intermediate initially formed from the reactive collision decays by ejection of a hydrogen atom. The structure of the benzoborirene depicted is based on a DFT computation, which, combined with results of highly accurate coupled-cluster calculations has been used to assign the reaction product by comparing experimental and theoretical reaction energies. Details are described by R. I. Kaiser and H. F. Bettinger on p. 2350 ff.

