

A Journal of the Gesellschaft Deutscher Chemiker

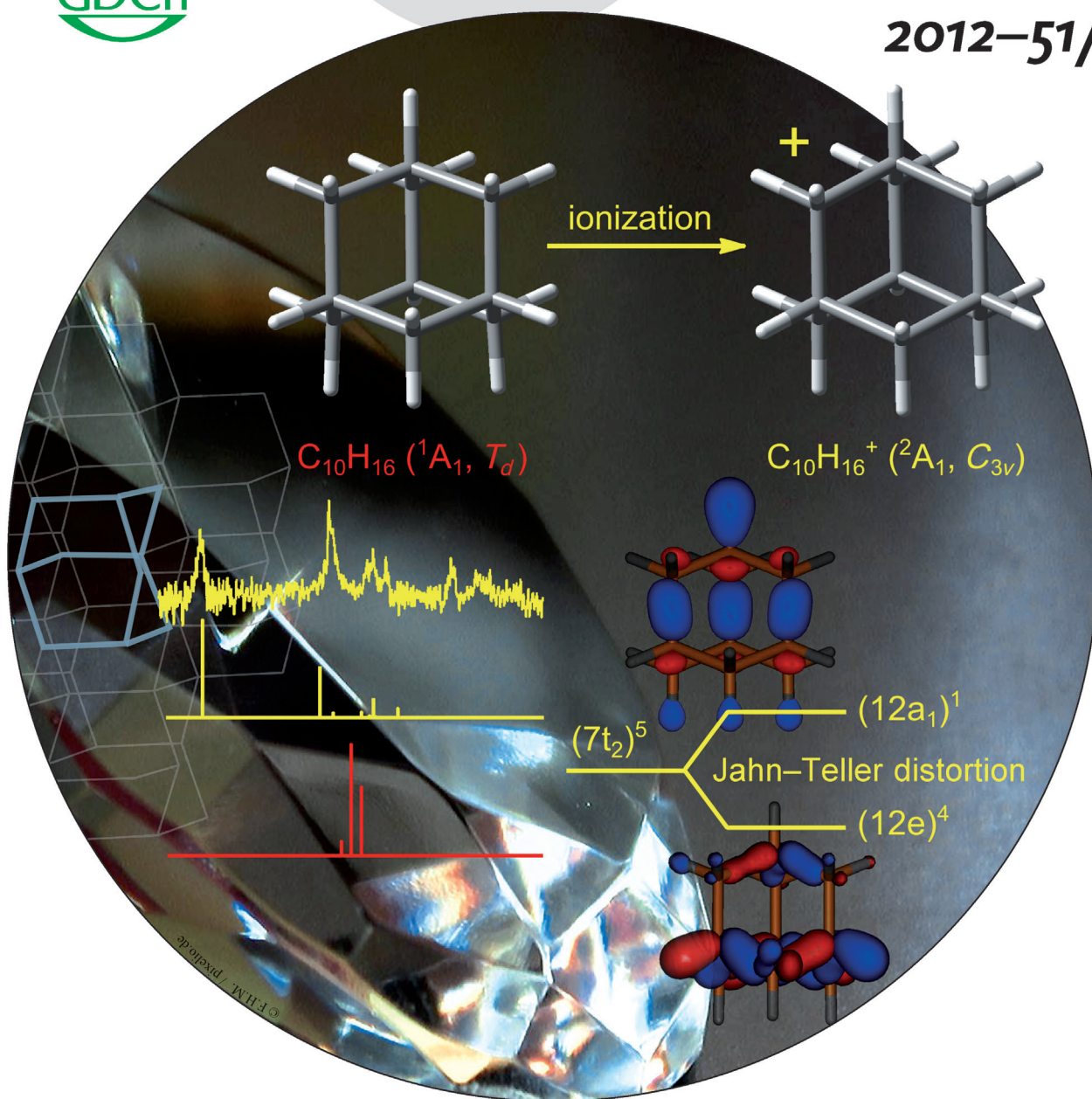
Angewandte Chemie

International Edition



www.angewandte.org

2012–51/20



The gas-phase infrared spectrum ...

... of the adamantane radical cation, $C_{10}H_{16}^+$, provides the first spectroscopic characterization of the geometric and electronic structure of this cycloalkane carbocation and direct evidence for the Jahn–Teller distortion in the 2A_1 ground electronic state. In their Communication on page 4925 ff., O. Dopfer et al. show that the characteristic IR fingerprint may be used for the identification of $C_{10}H_{16}^+$ in hydrocarbon plasmas, including the interstellar medium.

WILEY-VCH