

A Journal of the Gesellschaft Deutscher Chemiker

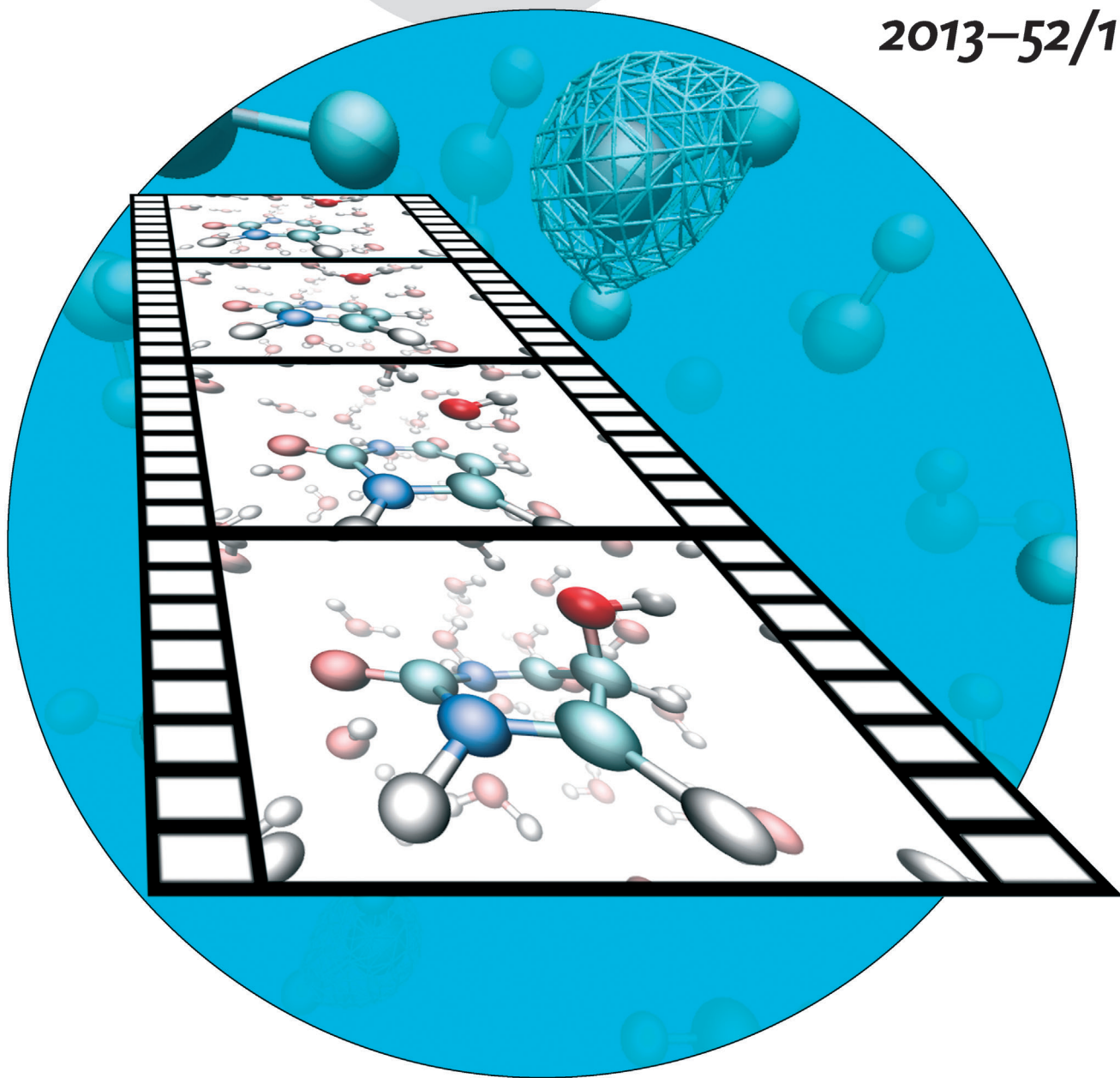
Angewandte Chemie

GDCh

International Edition

www.angewandte.org

2013–52/11



Of primary cosmic rays, ...

... about 99% are nuclei of the most abundant atoms (H, He, Fe). These ions induce multiple ionization events in biomaterials that lead to the Coulombic explosion of biomolecules. In their Communication on page 3160 ff., M.-A. Hervé du Penhoat, M.-F. Politis, et al. use first-principle molecular dynamics to examine the hydroxylation of uracil by an ionized water molecule. The film shows snapshots taken along the picosecond timescale of this reaction.

125 YEARS **Angewandte**
Chemie

WILEY-VCH