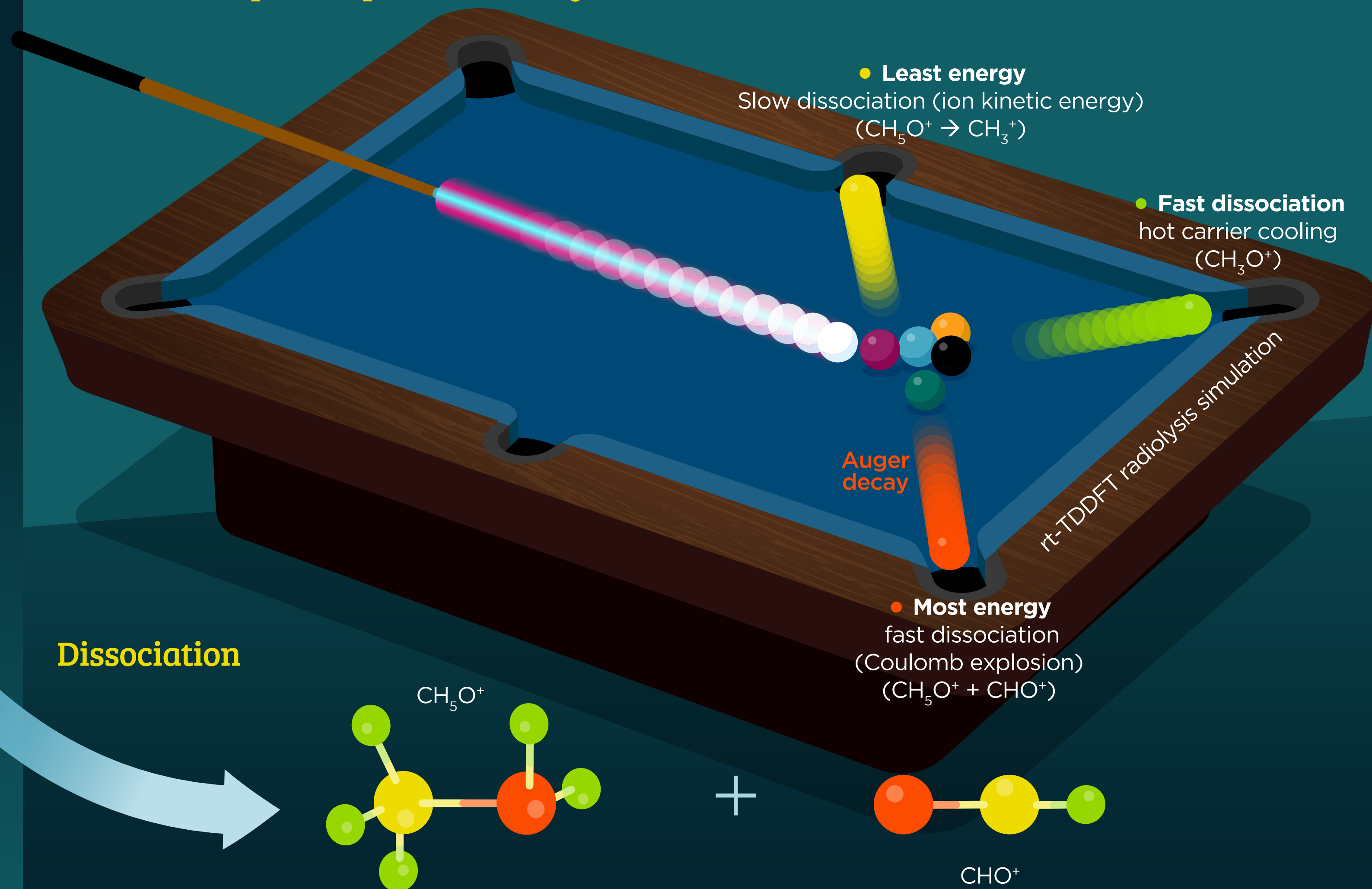


Molecules Fall Apart: Understanding Path Competition of Electron Beam Induced Dissociation

Molecular dissociation is a
major problem in transmission
electron microscopy (TEM)

but its mechanism
remained unknown

Dissociation path depends on the ejected electron's orbital



Understanding different paths of dissociation makes it possible to predict
molecule damage and bond breaking under electron beam illumination

Chemical
Science

PICK
OF THE
WEEK

Dissociation Path Competition of Radiolysis-Ionization
induced Molecule Damage under Electron Beam Illumination

Cai *et al.* (2019) | DOI: 10.1039/C9SC04100A

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