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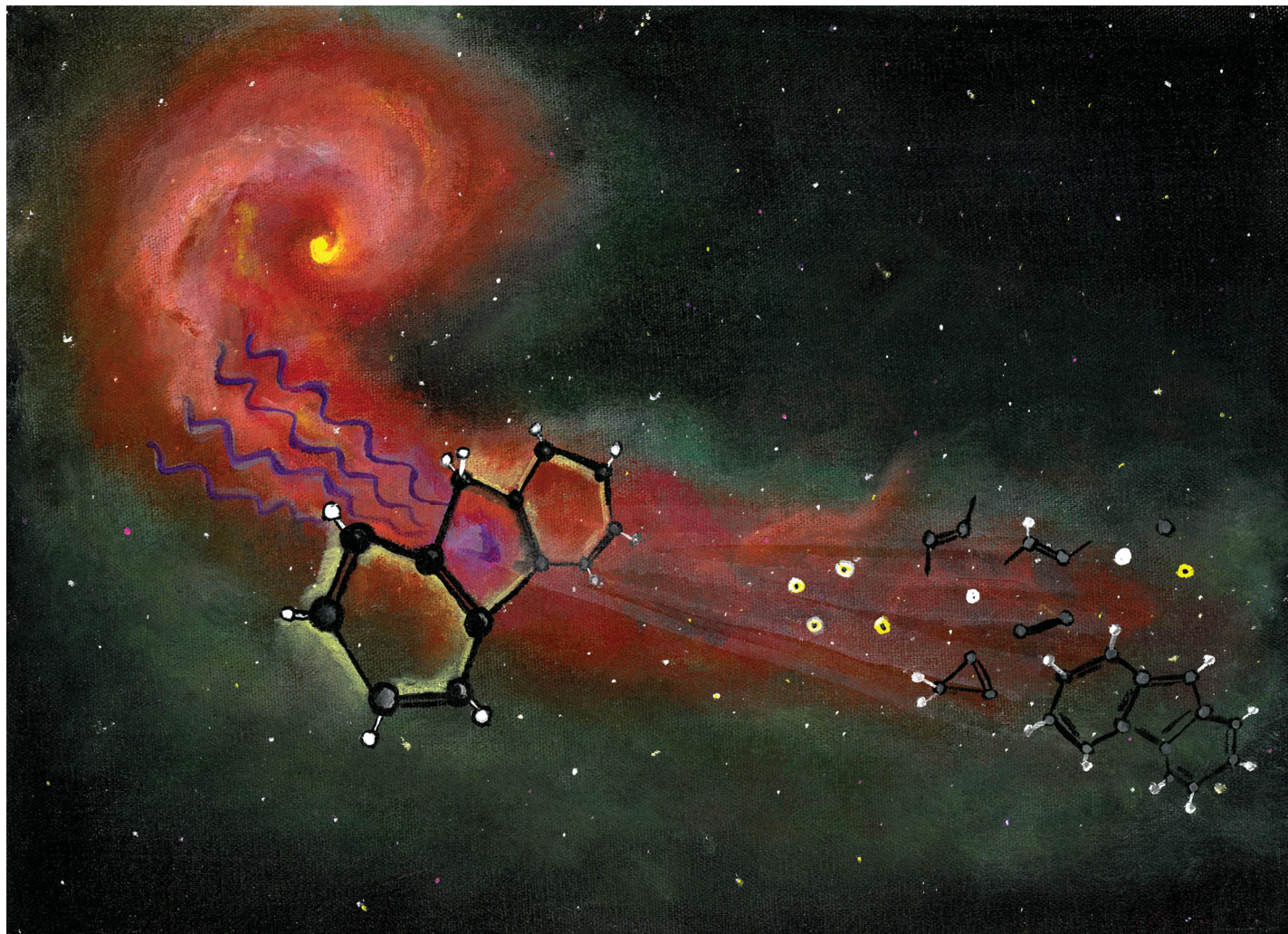


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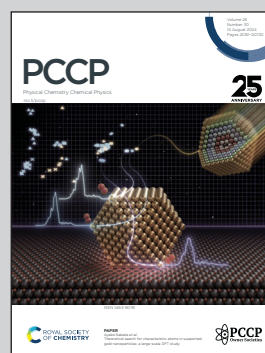


Showcasing research from an international collaboration conducted at the Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany.

Ultrafast dynamics of fluorene initiated by highly intense laser fields

We present an investigation of the ultrafast dynamics of the polycyclic aromatic hydrocarbon fluorene initiated by an intense femtosecond near-infrared laser pulse (810 nm) and probed by a weak visible pulse (405 nm). Using a multichannel detection scheme (mass spectra, electron and ion velocity-map imaging), we provide a full disentanglement of the complex dynamics of the vibronically excited parent molecule, its excited ionic states, and fragments.

As featured in:



See Melanie Schnell *et al.*,
Phys. Chem. Chem. Phys.,
2024, **26**, 20261.