

Abstract Submitted
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Probing Photochemistry at the Space-Time Limit using a Scanning Tunneling Microscope CALVIN PATEL, CHRISTIAN KIM, WILSON HO, University of California Irvine — Laser induced phenomena can be probed with sub-angstrom resolution using the scanning tunneling microscope. Here we demonstrate the ability to probe photo-induced chemical processes with sub-Angstrom spatial resolution using femtosecond laser pulse pairs. These studies increase our understanding of chemical dynamics at the single molecule level.

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