

Abstract Submitted
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Laser-excitation of molecular systems within stochastic time-dependent current-density-functional theory¹ HEIKO APPEL, MASSIMILIANO DI VENTRA, Department of Physics, University of California, San Diego — In this talk we investigate the excited electron dynamics of molecular systems due to laser excitation. The system dynamics is described within the recently proposed stochastic time-dependent current-density-functional theory [1,2].

[1] Massimiliano Di Ventra and Roberto D'Agosta, Phys. Rev. Lett. **98**, 226403 (2007).

[2] Roberto D'Agosta and Massimiliano Di Ventra, Phys. Rev. B **78**, 165105 (2008).

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