

For strong asymmetries super-Poissonian Noise

(F>1) and negative differential conductance (NDC)

develop at the same bias (energy) positions

References:

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Thielmann et. al., Phys. Rev. Lett. 95, 146806

(2005), Aghassi et. al., Phys. Rev. B 73, 195323

(2006), Aghassi et. al. cond-mat/0505345 (to be pu-

van der Wiel et al., Rev. Mod. Phys. 75, 1 (2003)

- lateral coupled quantum dots ("artificial molecules")
- single-electron phenomena such as Coulomb blockade observed