

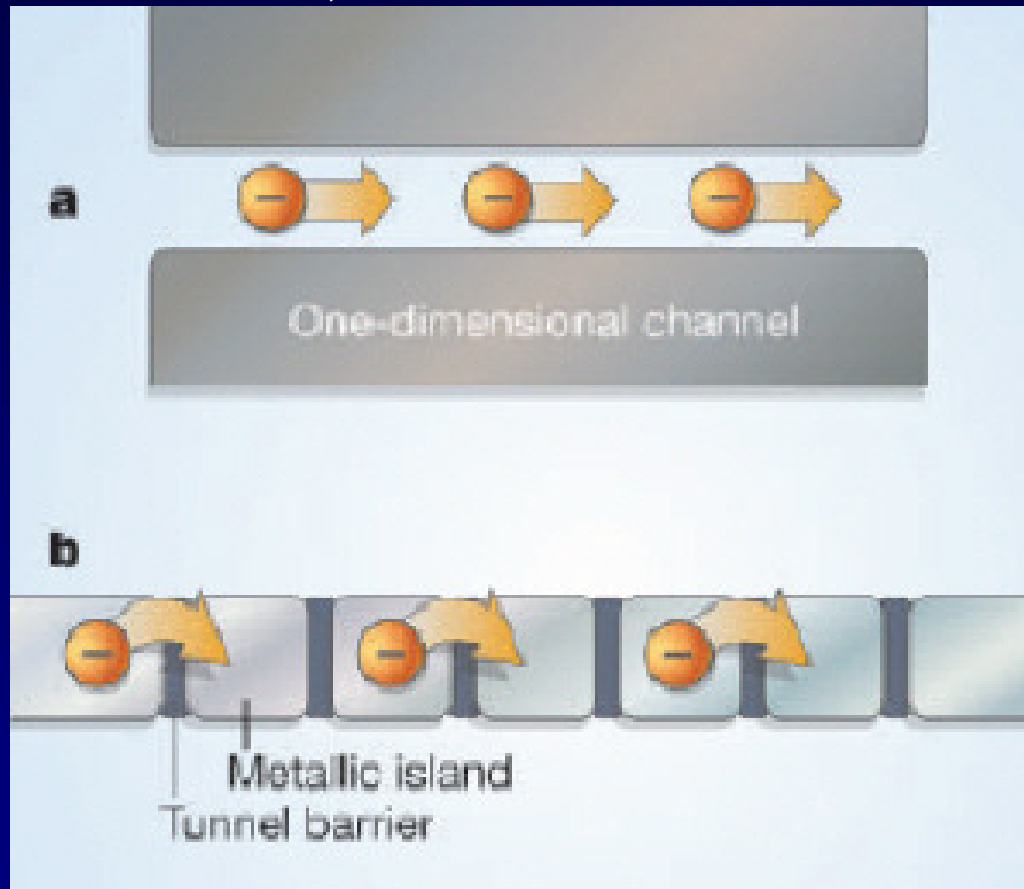
letters to nature

## Example: Electrons in Nanoscale devices

*Nature* 434, 361 - 364 (17 March 2005)

Current measurement by real-time counting of single electrons

JONAS BYLANDER, TIM DUTY & PER DELSING



Electrons that successfully tunnel through the 50 junctions are detected using a fast single-electron transistor (SET).