(a)

U

$\Delta\Omega = 2\pi$

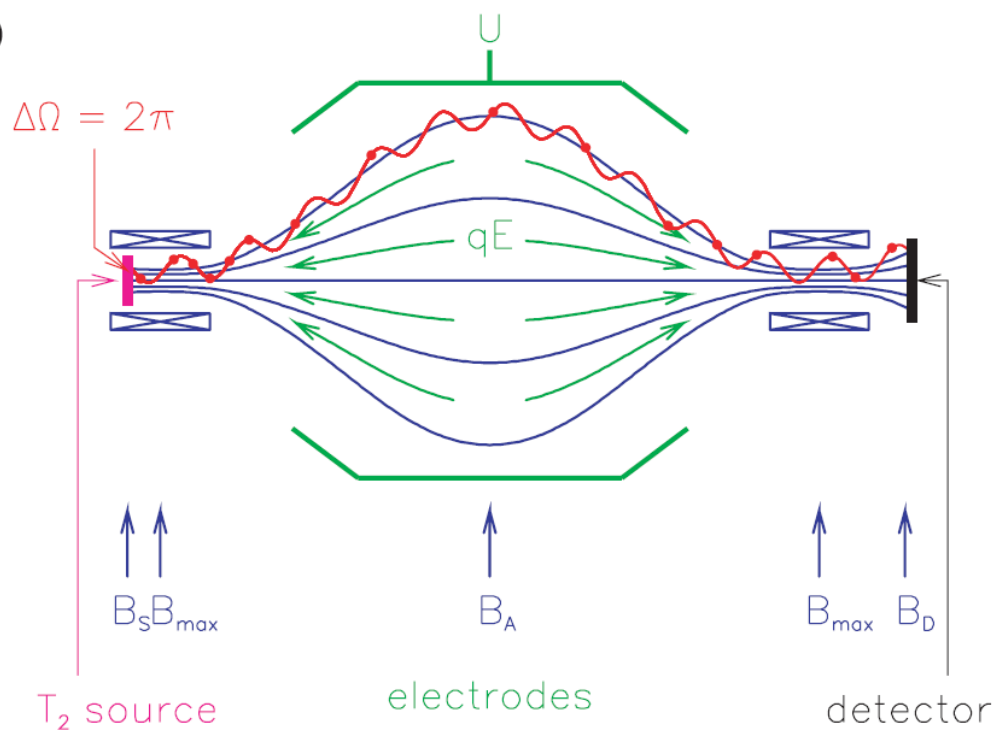qE

$B_S B_{max}$ B_A B_{max} B_D

T_2 source   electrodes   detector

(b) p_e (without E field)