

Demonstration of the Ramsauer-Townsend Effect in a Xenon Thyatron

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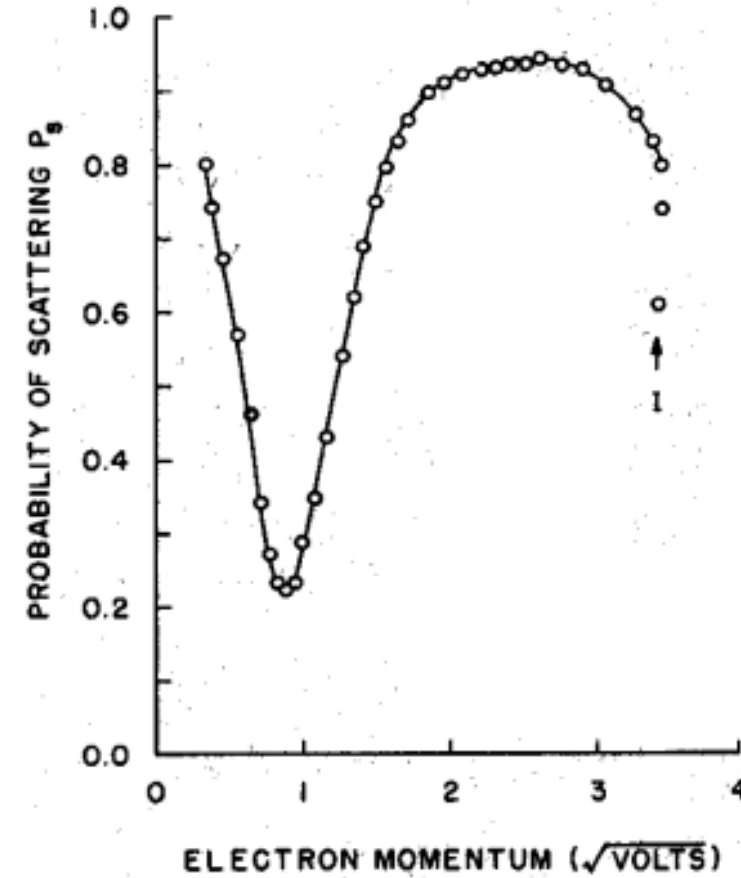
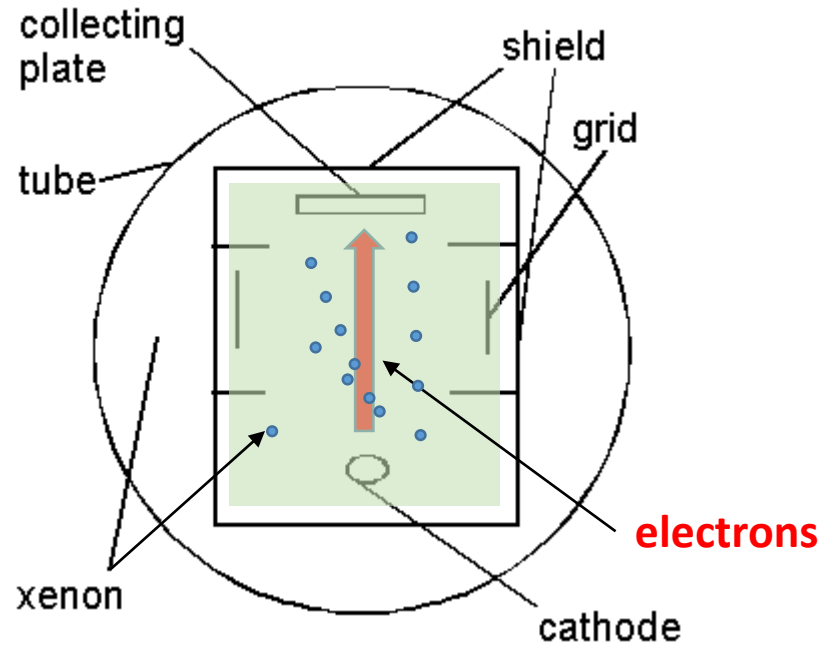
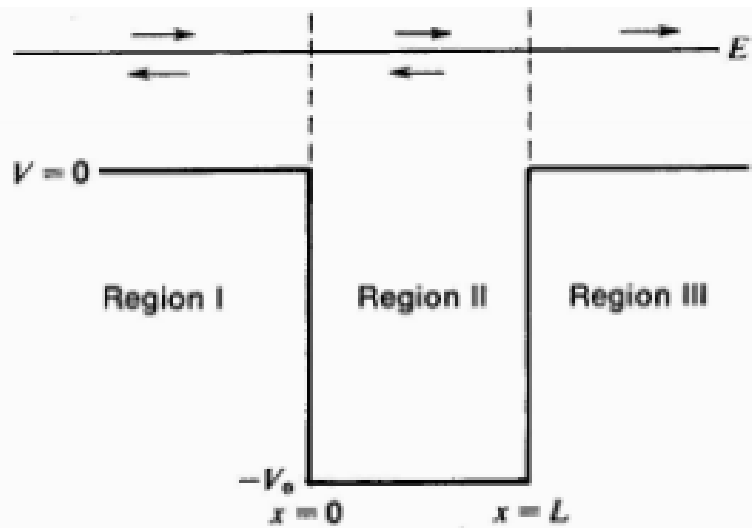
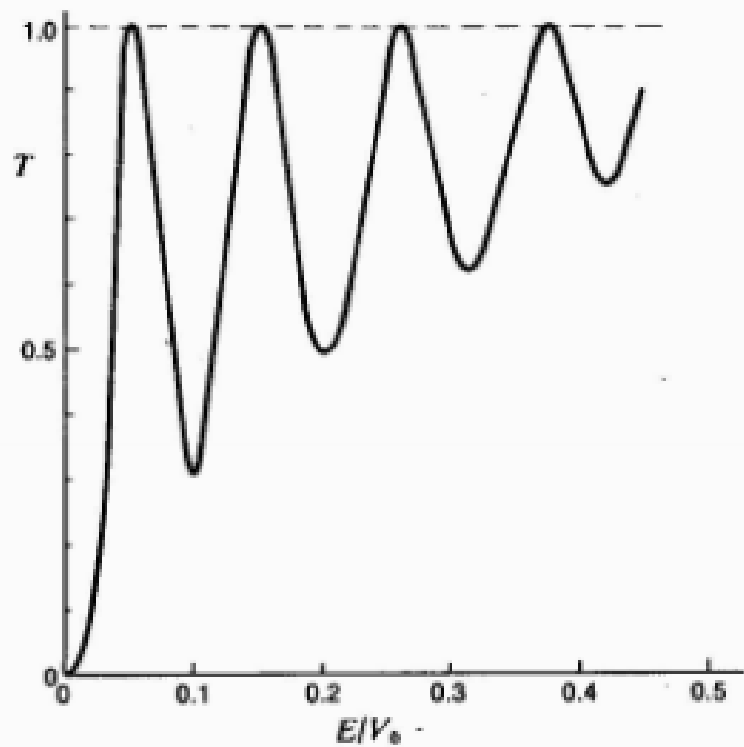


FIG. 4. The probability of scattering P_s as a function of $(V - V_s)^{1/2}$, where $V - V_s$ is the electron energy. Ionization occurs at "I".



(a)



(b)

Fig. 9-5
 (a) Steady-state situation for one-dimensional scattering of particles of unique energy E by a square well.
 (b) Transmission coefficient T of square well as a function of incident particle energy, calculated for the dimensionless parameter $L\sqrt{2mV_0}/\hbar$ equal to 20.5π . Note resonances giving 100 percent transmission at certain energies.

occurs at λ_n ,
 $(\lambda - \lambda_n)/\lambda_n$, where $\lambda - \lambda_n$ is the electron energy. Ionization
 Fig. 4 The probability of scattering P^s as a function of

