Demonstration of the Ramsauer-Townsend Effect in a Xenon Thyatron

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![Diagram of a Xenon Thyatron]

**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".
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 20.5 $\pi$. Note resonances giving 100 percent transmission at certain energies.