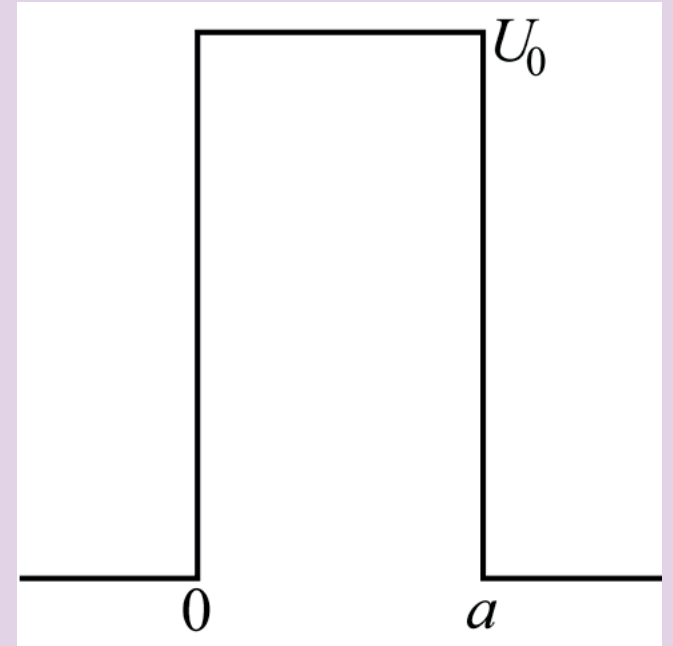


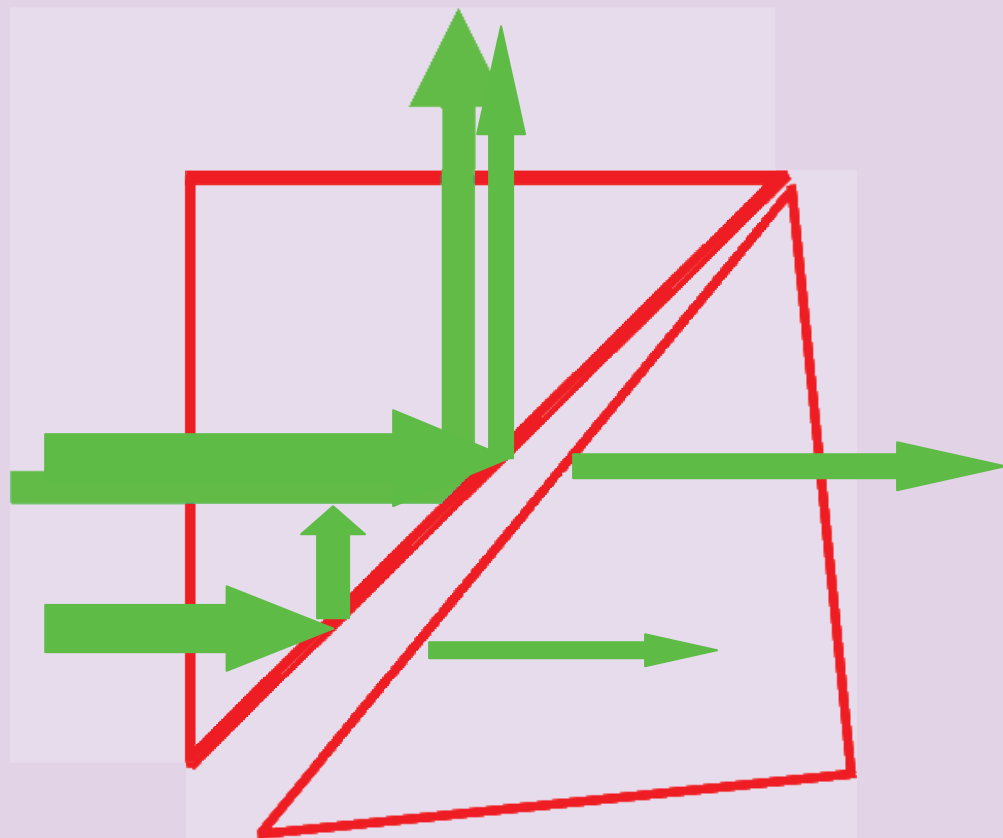
24.4 Potential barrier

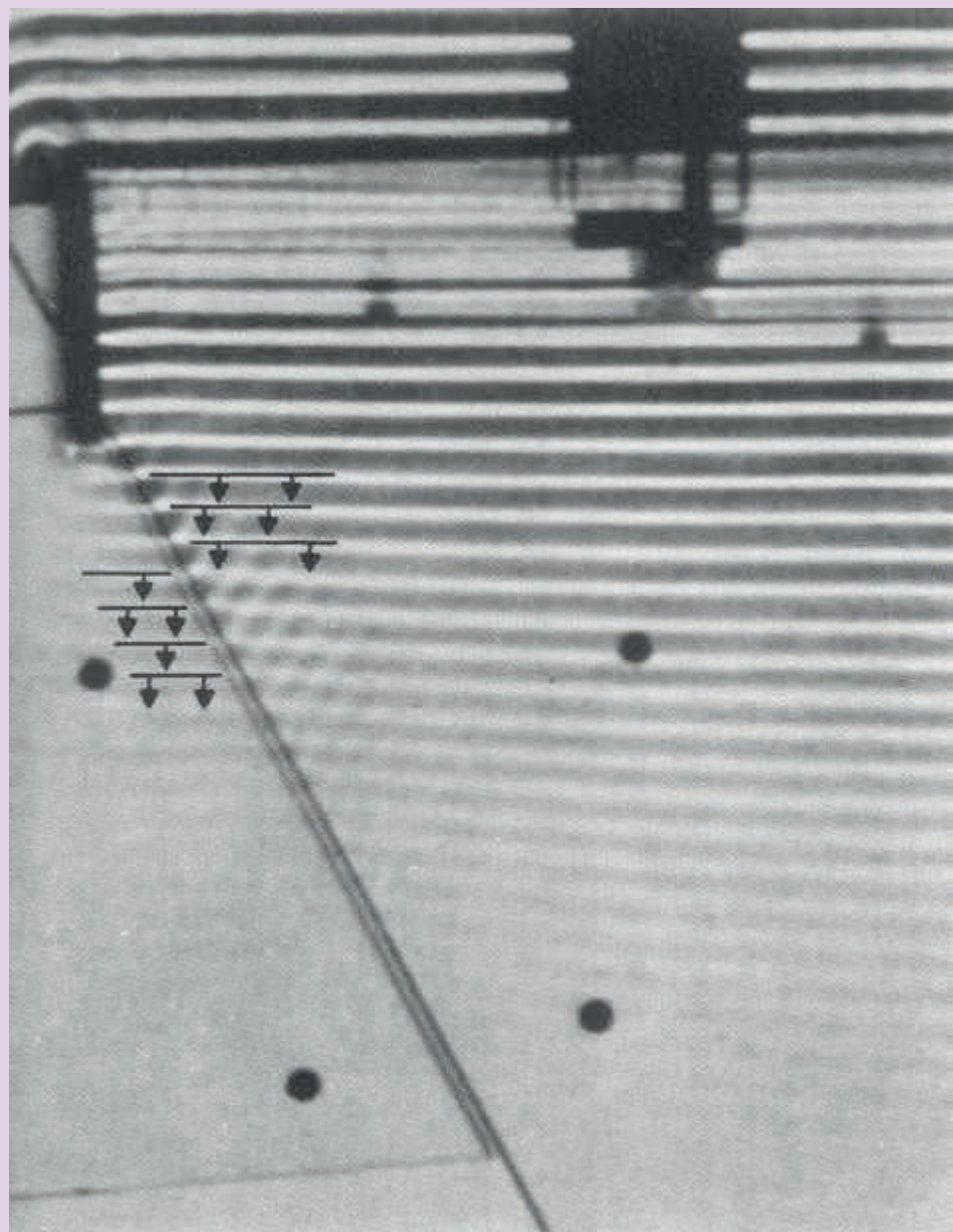
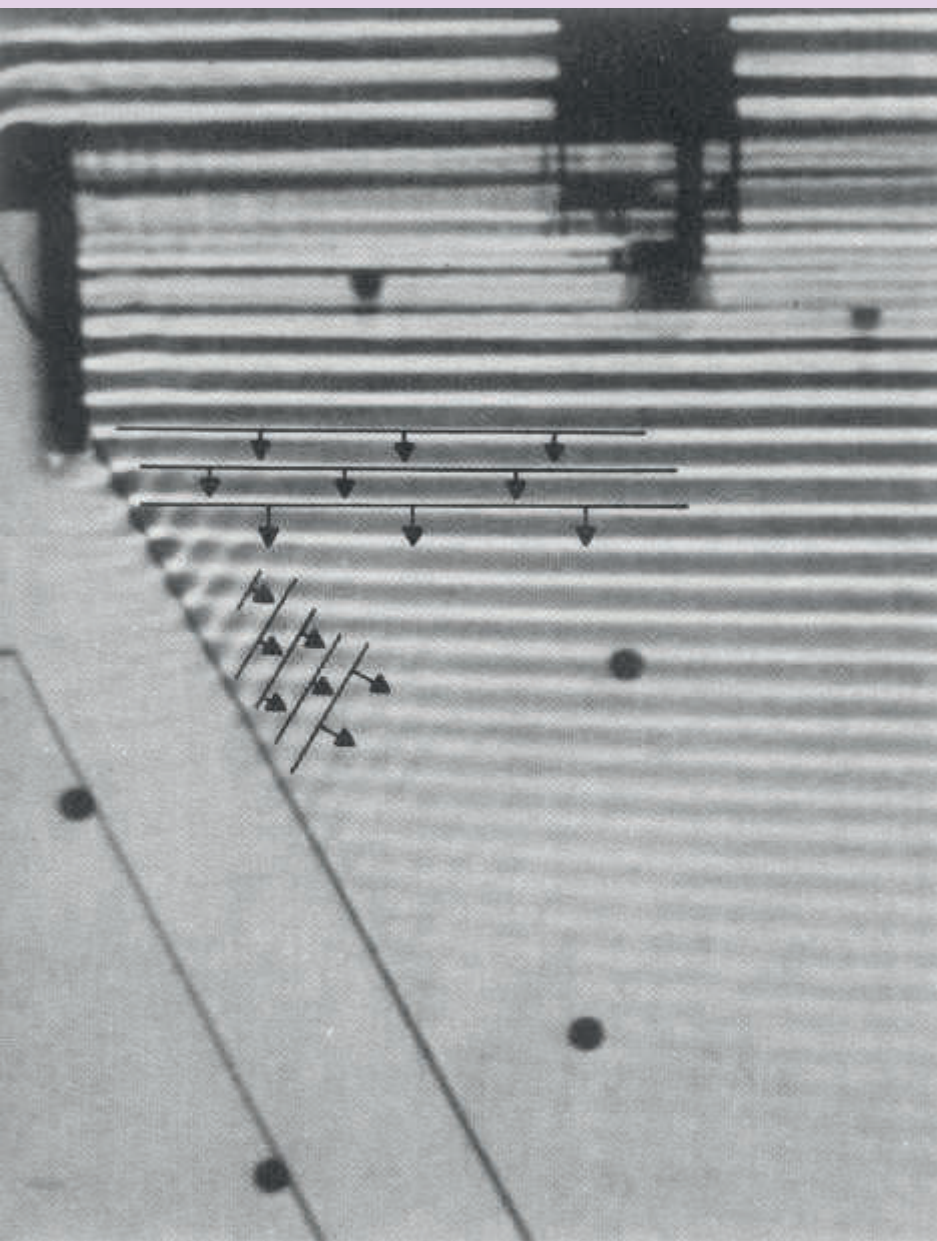
$$U(x) = \begin{cases} U_0, & 0 < x < a \\ 0, & x \leq 0, x \geq a \end{cases}$$



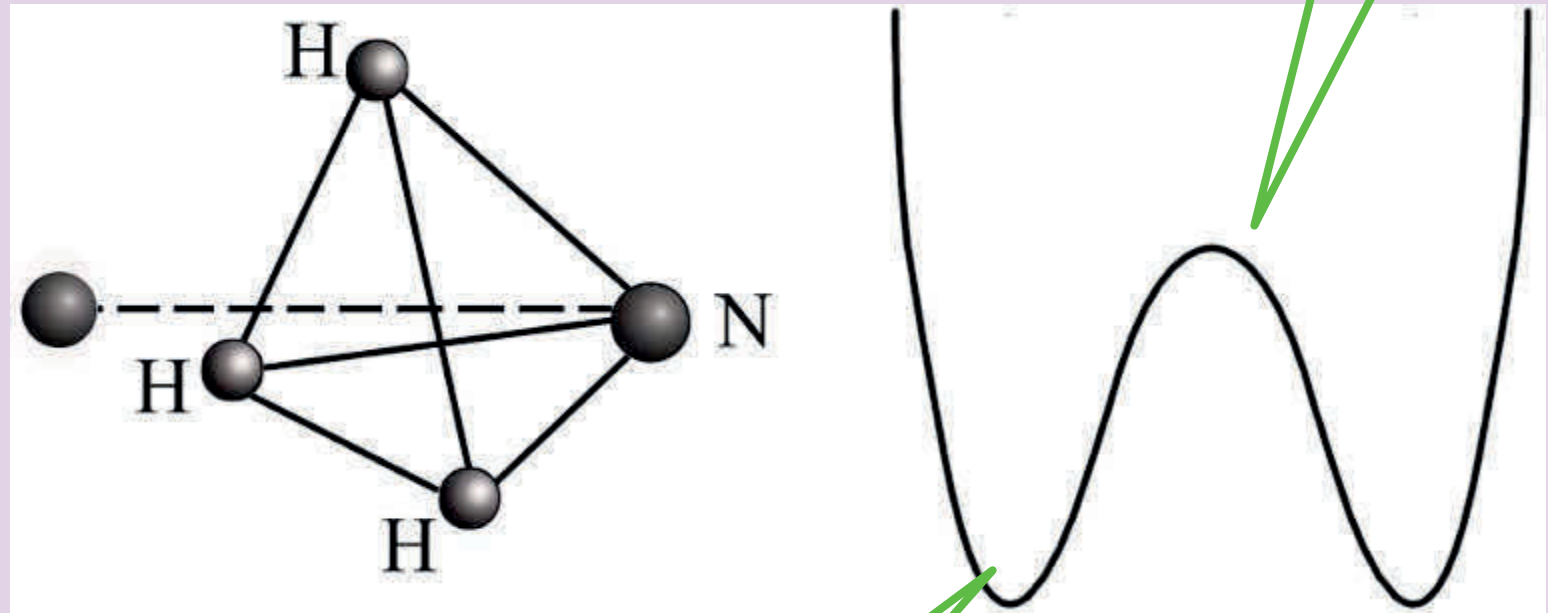
In classical case, only **particle** of energy higher than U_0 can go over the barrier.

But for waves,





For microscopic particles,



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