

THE UNIVERSITY OF CHICAGO

PHYSICS 435

LECTURE 10: QUANTUM MECHANICS OF PARTICLES IN POTENTIALS

1. Introduction to the Schrödinger equation for a particle in a potential well.

2. The infinite potential well and the finite potential well.

3. Tunneling through a potential barrier.

$$\psi(x) = A e^{ikx} + B e^{-ikx}$$

