

the cross section is proportional to v_e , the velocity of the neutron after inelastic scattering it follows that this velocity should likewise increase in proportion to the square root of the excess velocity near the threshold. This is illustrated in figure 7.

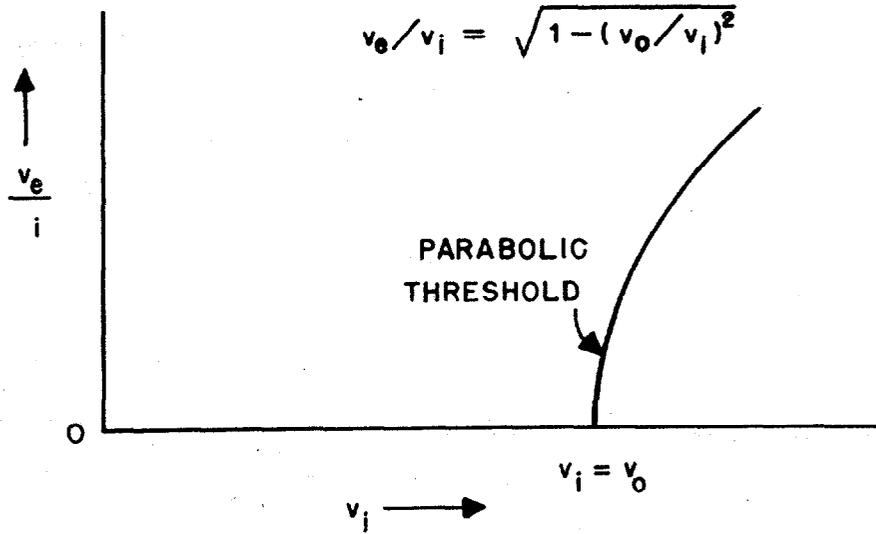


Figure 7. Inelastic scattering of neutrons (v_i = incident neutron velocity, v_e = scattered neutron velocity).