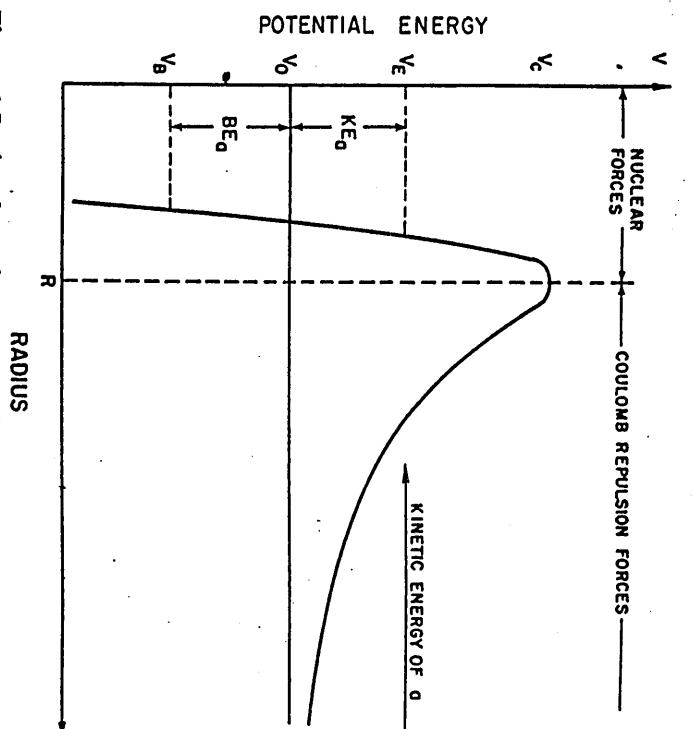


Figure incoming kinetic energy V_E – principles, leaving the nucleus with excitation energy equal to the from the irradiating particle a. Particles with less kinetic energy than energy of a target nucleus as a function of the separation distance V_c may be absorbed by the nucleus according to quantum mechanics 15 \triangleright schematic representation V_0 , plus the binding energy V_0 of the nuclear potential l VB.



Nuclear Reactions

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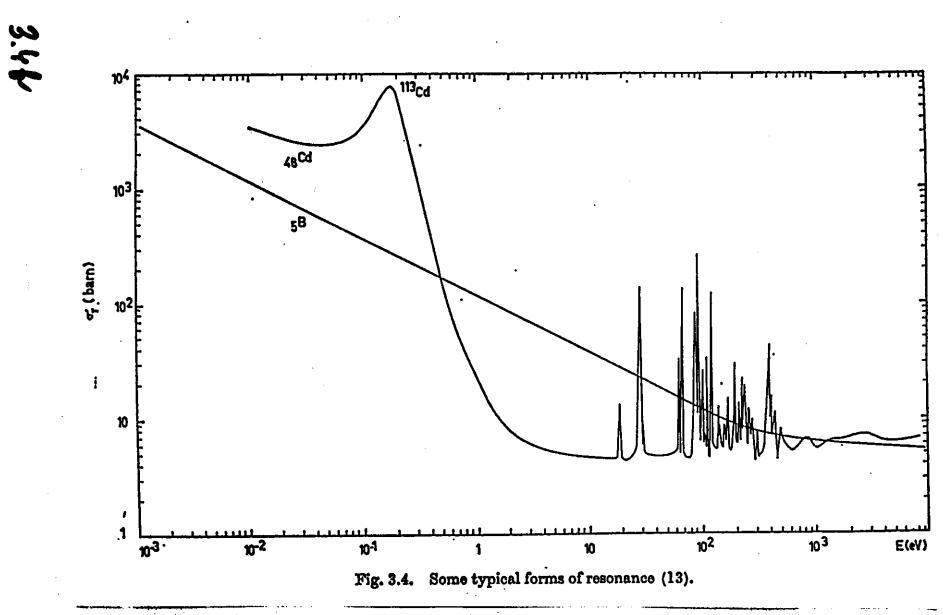
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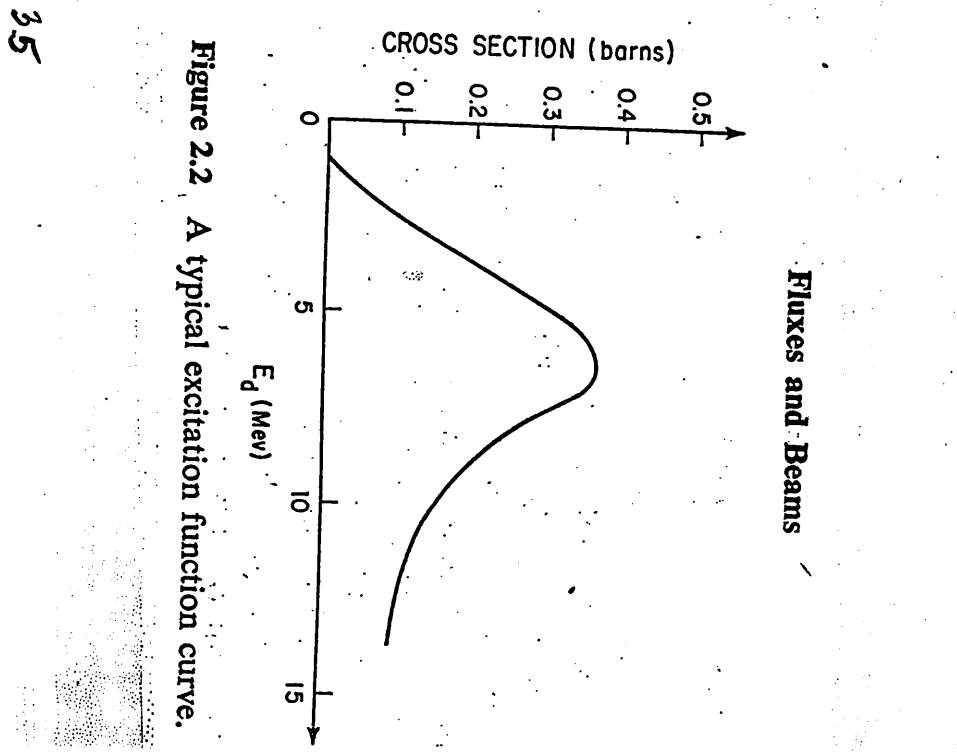
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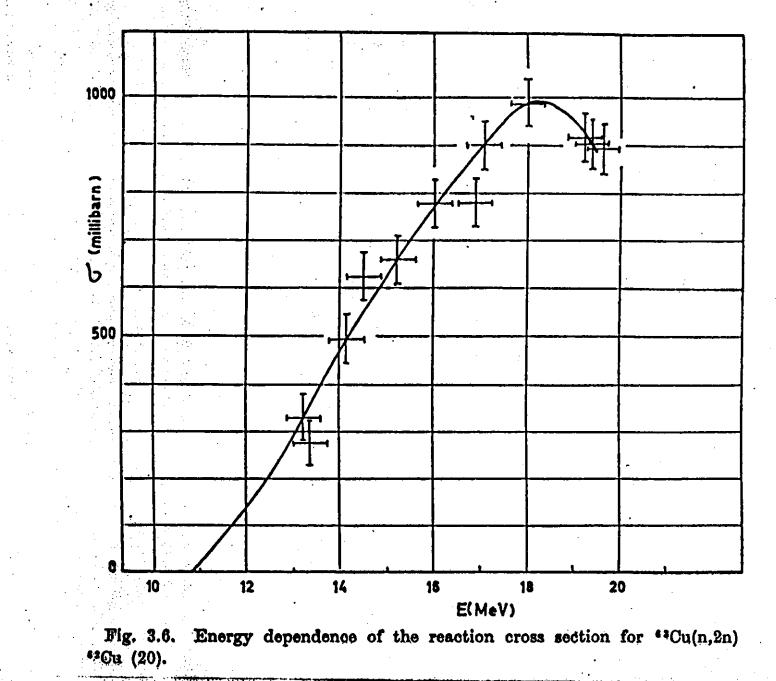
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3. NEUTRON INDUCED REACTIONS

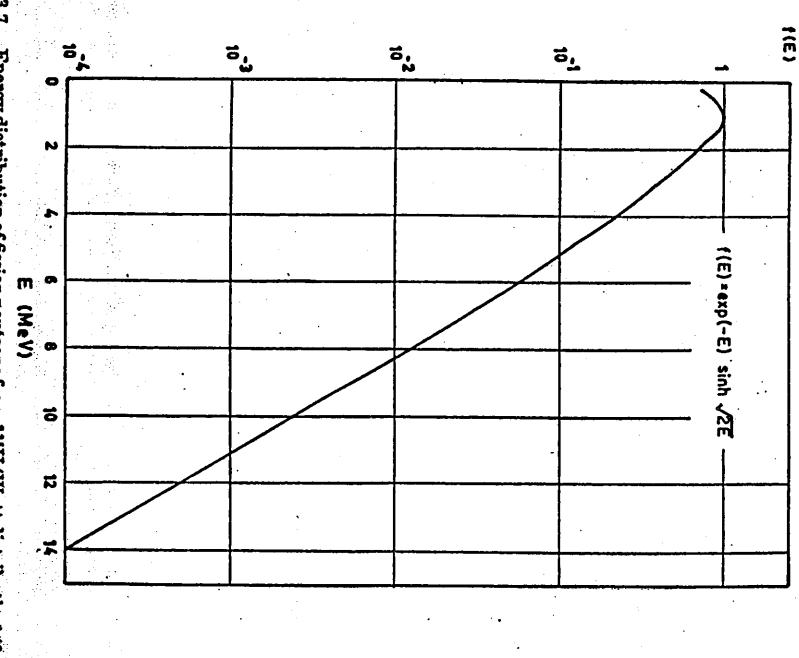
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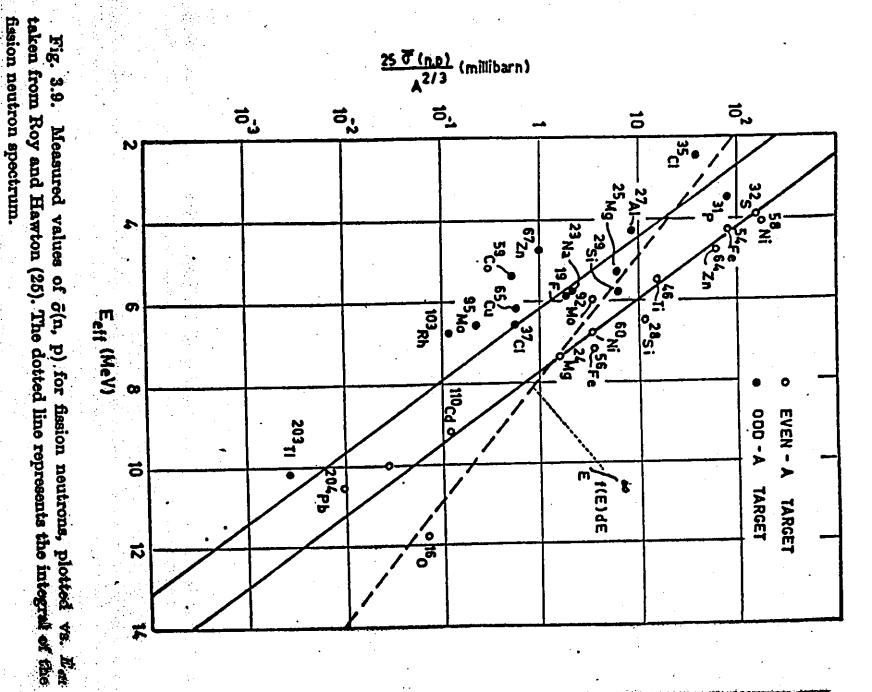


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3.50

Fig. 3.7. Reading, Mass.) (Permission of Hughes, D. J., Pile Neutron Energy distribution of fission neutrons from """U (Watt distribution) (2 Research, 1953, Adison-Wesley





3. NEUTRON INDUCED REACTIONS

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