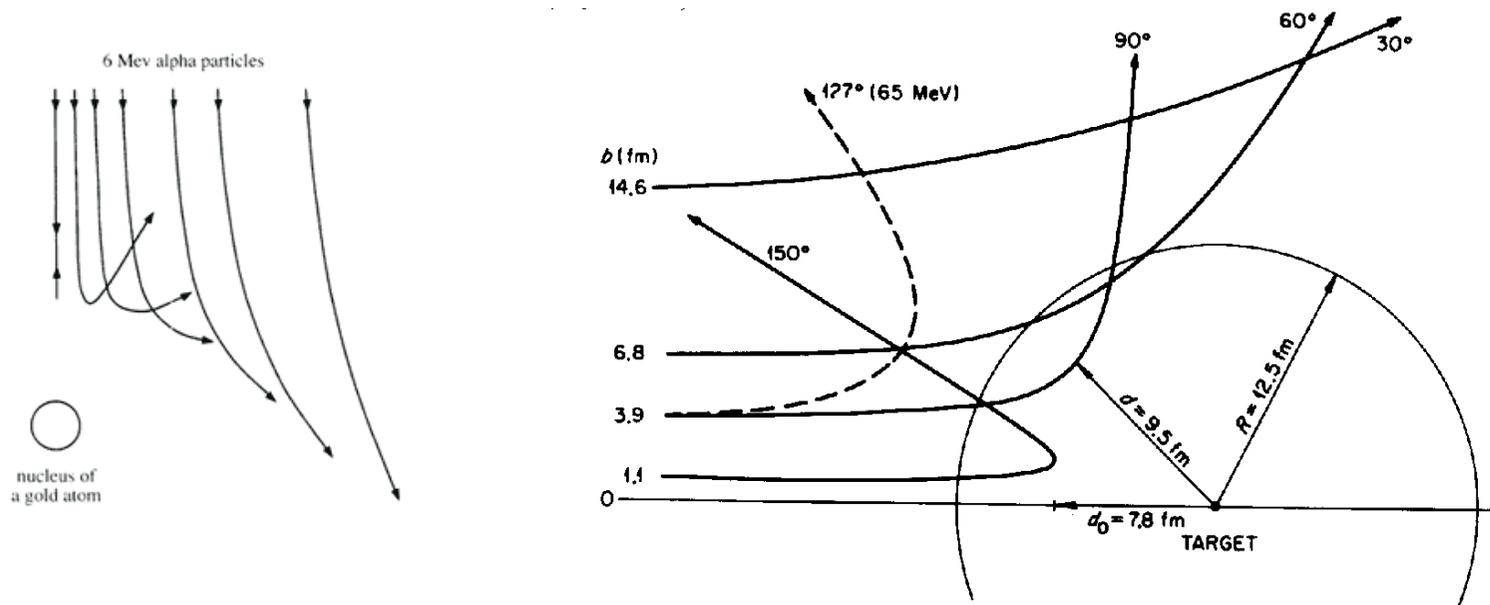
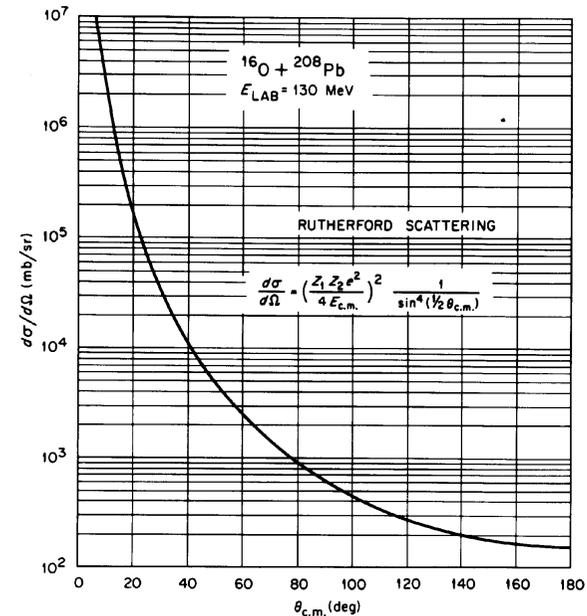


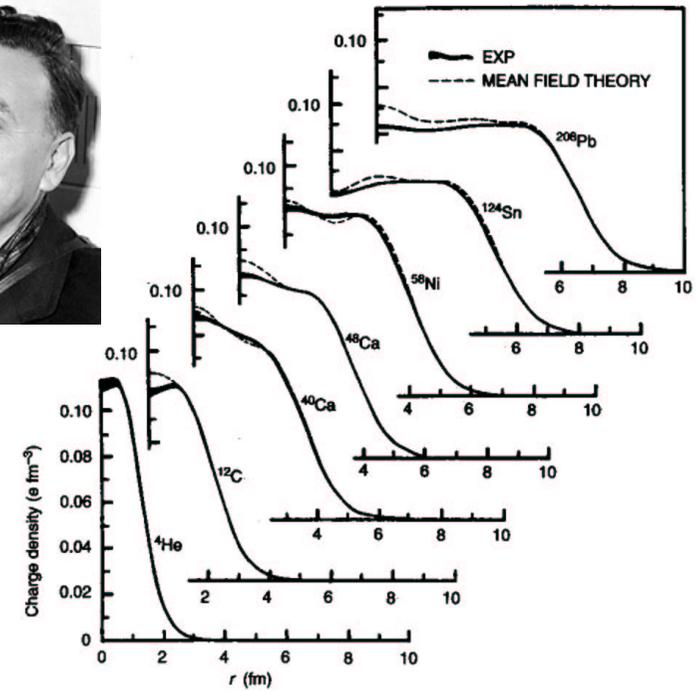
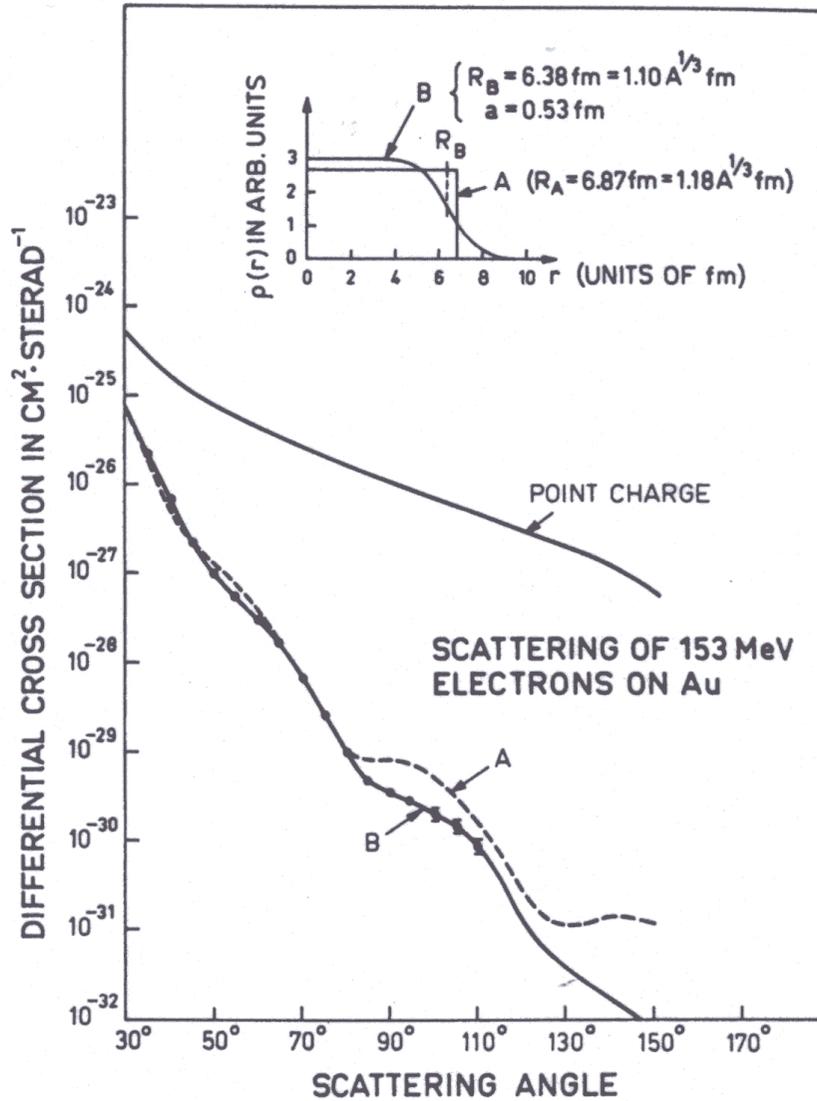
Rutherford scattering: pure Coulomb, point-like objects



$$\frac{d\sigma}{d\Omega} = \left[\frac{zZe^2}{4\pi\epsilon_0} \right]^2 \frac{1}{16E^2} \frac{1}{\sin^4 \theta/2}$$



Hofstadter Nobel Prize 1961



Nuclear plus Coulomb scattering

