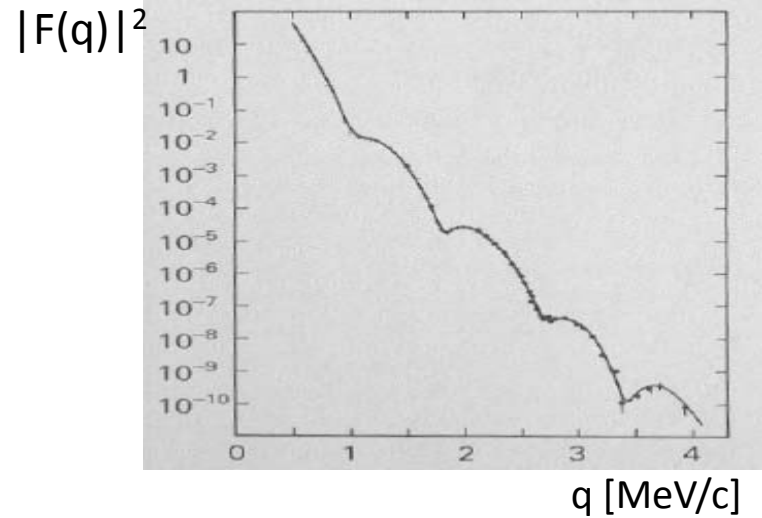


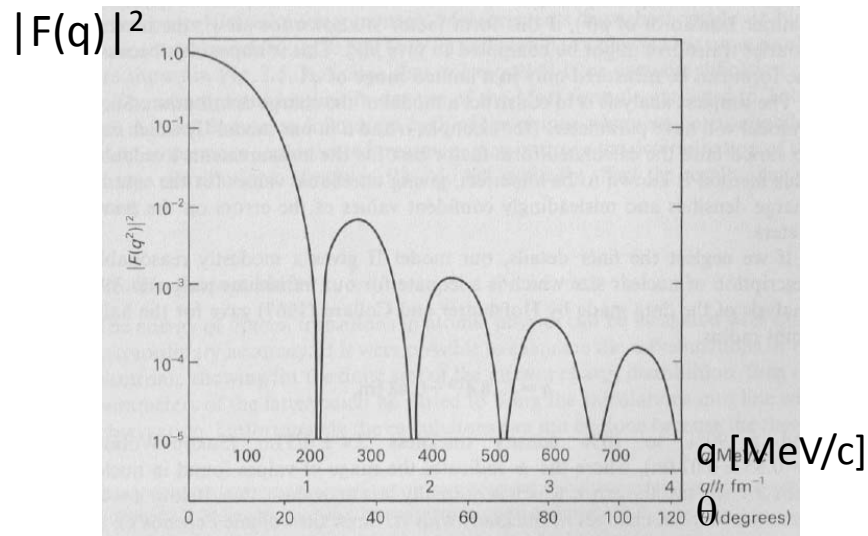
Sipanje na porazdelitvi naboja (oblikovni faktor)

$$\frac{d\sigma}{d\Omega} = \underbrace{\left[\frac{Ze^2 m}{8\pi\epsilon_0 p^2} \right]^2}_{\text{Rutherford}} \frac{1}{\sin^4\left(\frac{\theta}{2}\right)} \underbrace{|F(q)|^2}_{\text{oblikovni faktor}}$$

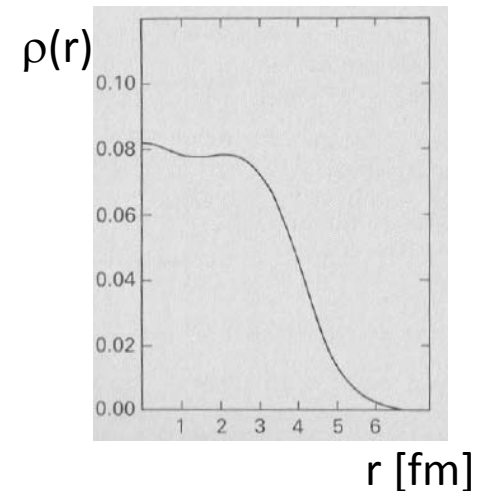
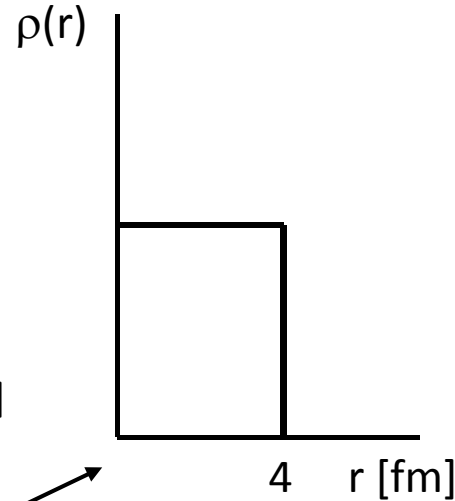
$$F(q) = \int \rho(\vec{r}) e^{i\vec{q}\vec{r}} d\vec{r}$$



meritev, 450 MeV e⁻ na ⁵⁸₂₈Ni



izračun za enak. porazd. naboja



porazd. naboja, ki
ustreza meritvi