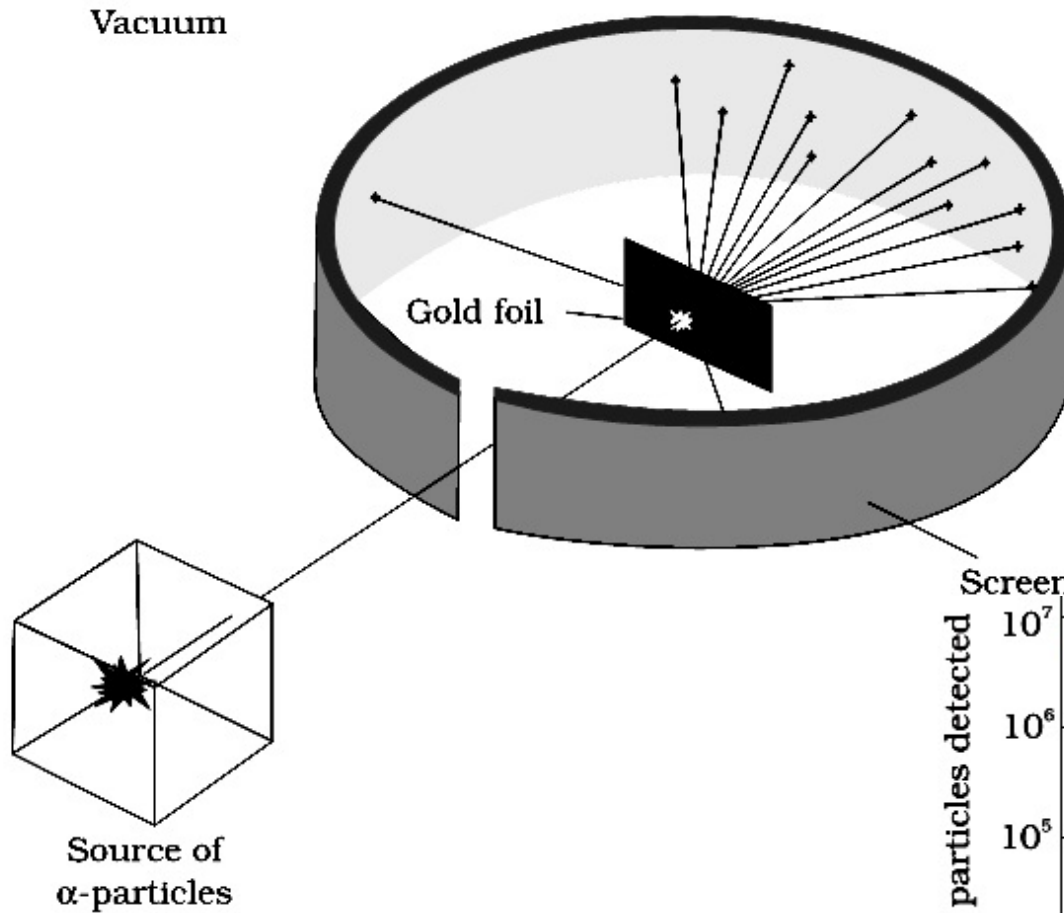
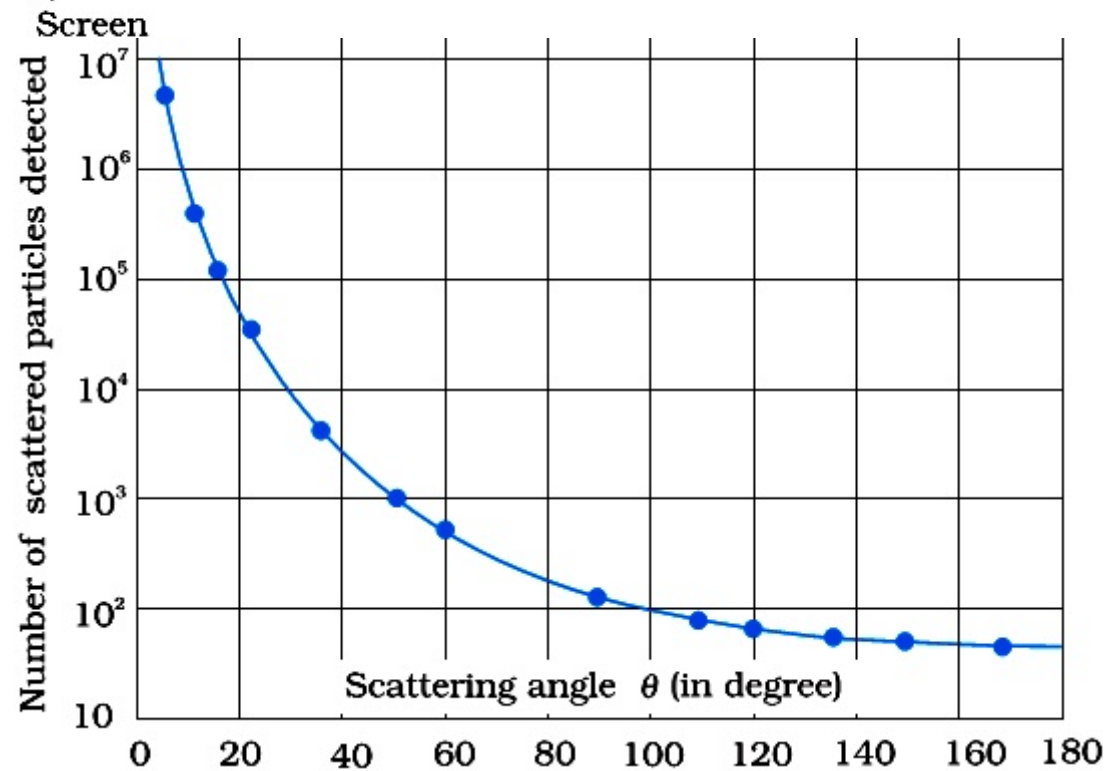


Rutherford Streuung



$$N \sim (\sin \theta/2)^{-4}$$



R. Hofstadter, Stanford 1956/57

500 MeV Linearbeschleuniger

Nobelpreis 1961

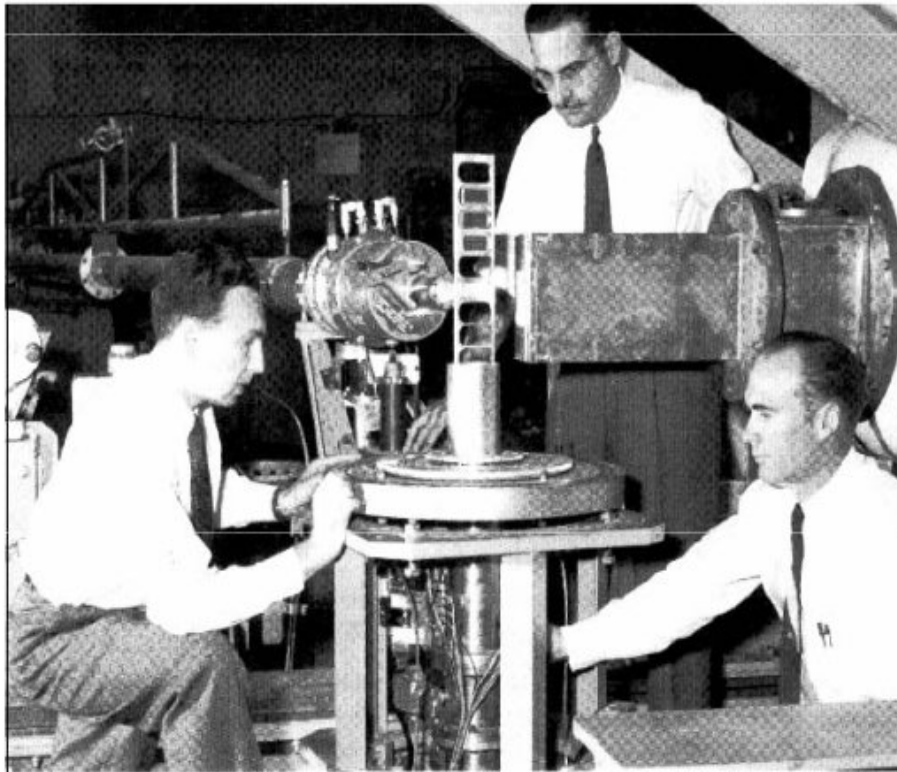
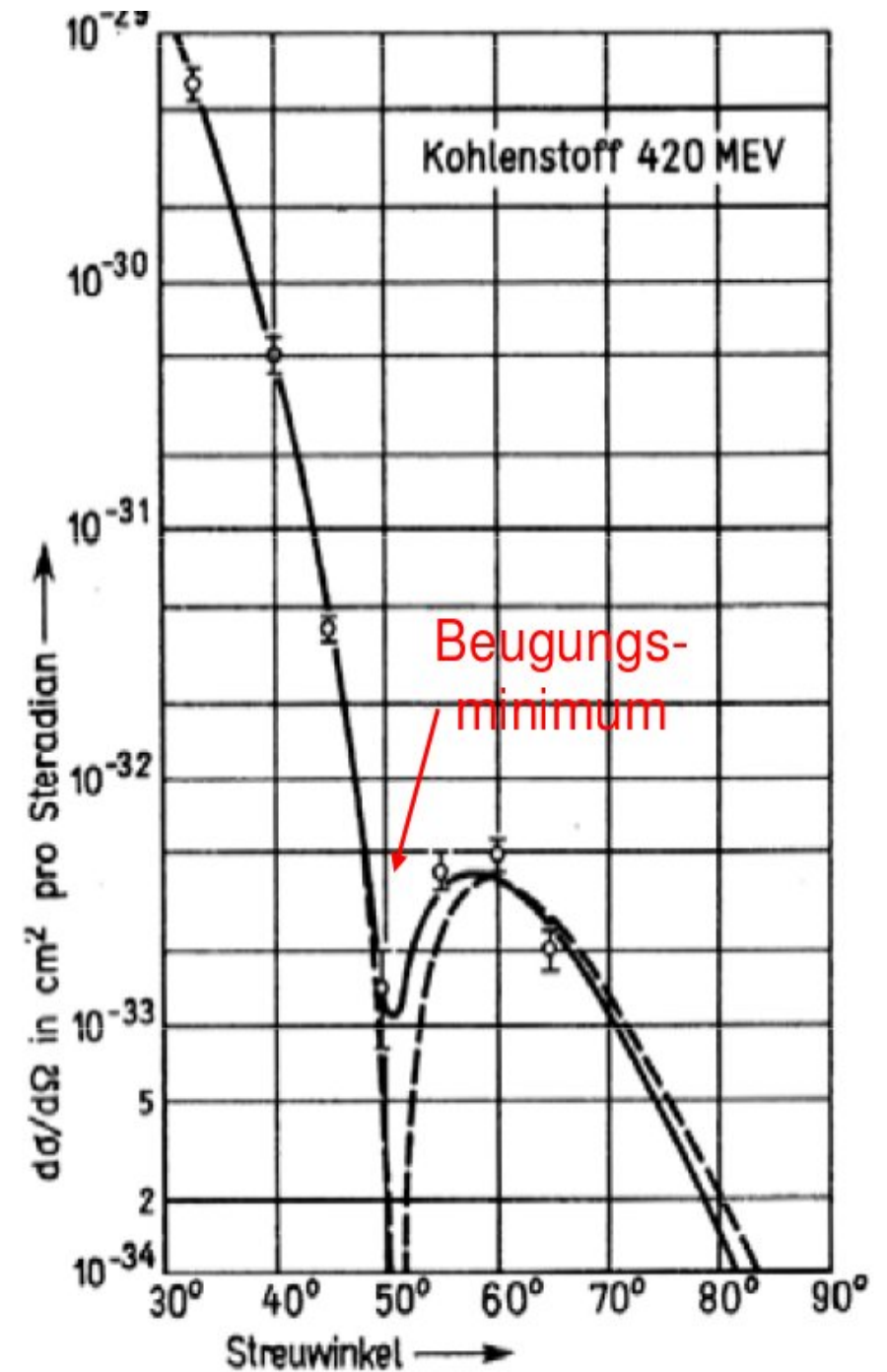
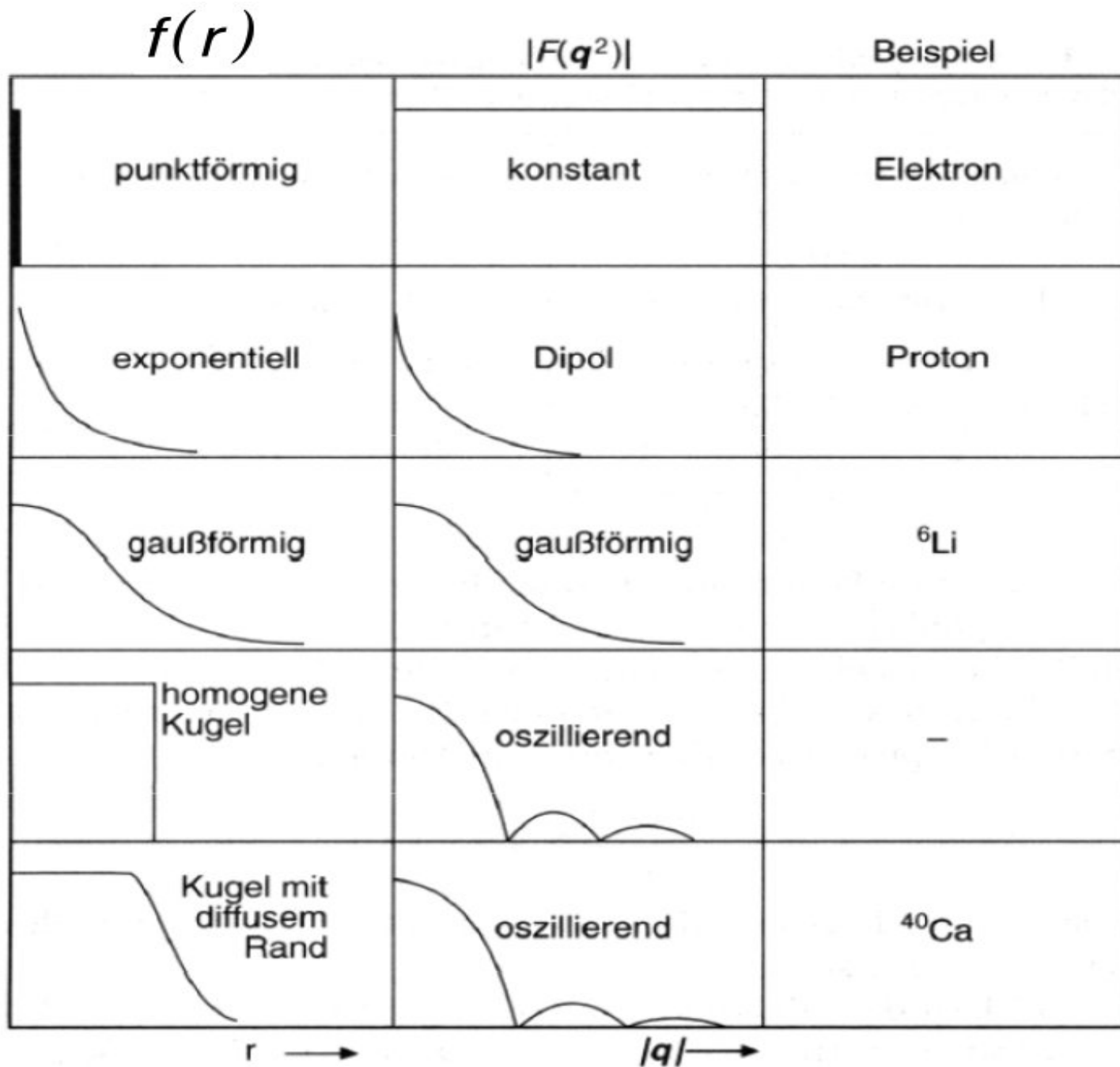


Abb. 3.3: Das Experiment von Robert Hofstadter (links) bei SLAC; neben ihm seine Kollegen Lance Rogers (oben) und Bud Bunkers (Foto SLAC).



Ladungsverteilung und zugehörige Formfaktoren



Gemessenen Ladungsverteilung von Kernen

