

$$E_d = 7 \text{ MeV}$$

$$b = 0.83 \text{ fm}^{-1} \times 4.3 \text{ fm} \\ \times 2 \times 0.174 = \underline{\underline{1.2}}$$

$$k_d \sim 0.83 \text{ fm}^{-1}$$

$$1.9 \text{ MeV}$$

$$l=1$$

$$R_0 = 6 \text{ fm}$$

$$\sin \frac{20^\circ}{2}$$

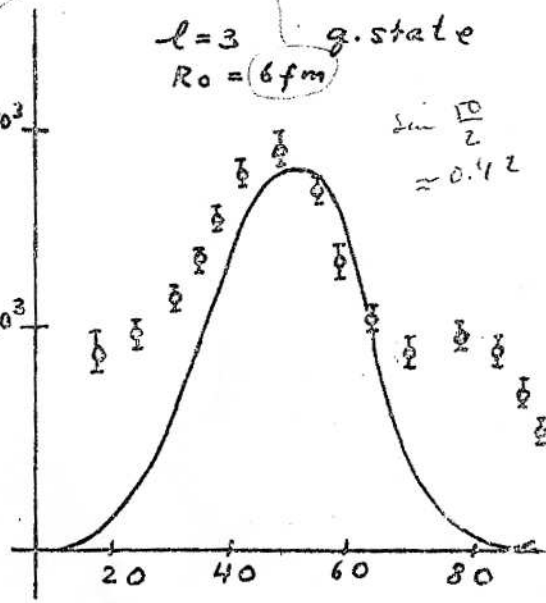
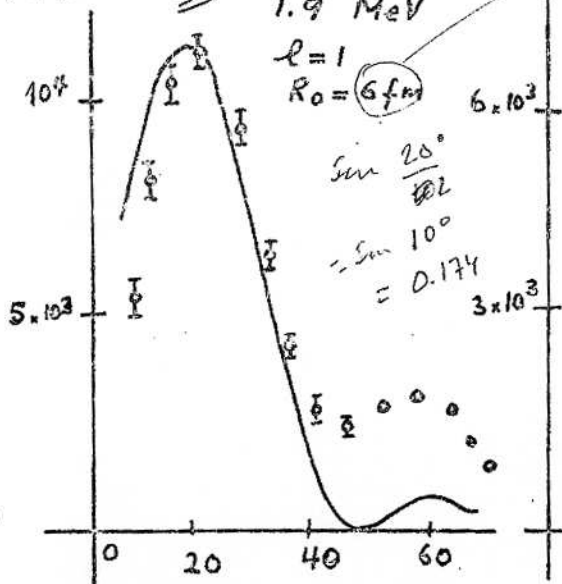
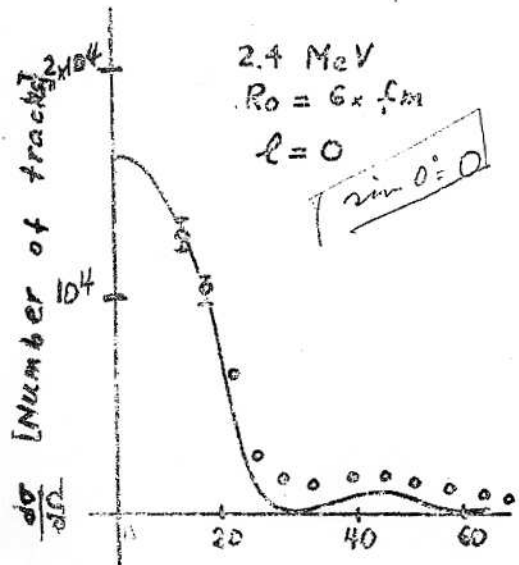
$$= \sin 10^\circ \\ = 0.174$$

$$4.3 \text{ fm}$$

$$4.3 \text{ fm} \times 0.83 \text{ fm}^{-1} \\ \times 2 \times 0.42 \\ = \underline{\underline{3}}$$

$$l=3 \quad \text{g. state} \\ R_0 = 6 \text{ fm}$$

$$\sin \frac{10^\circ}{2} \\ = 0.42$$



$\bar{\square}$  : experimental value from W.R. Cobb and D.B. Guth, Phys. Rev. 107, 181 (1957).  
 — : plane wave estimate