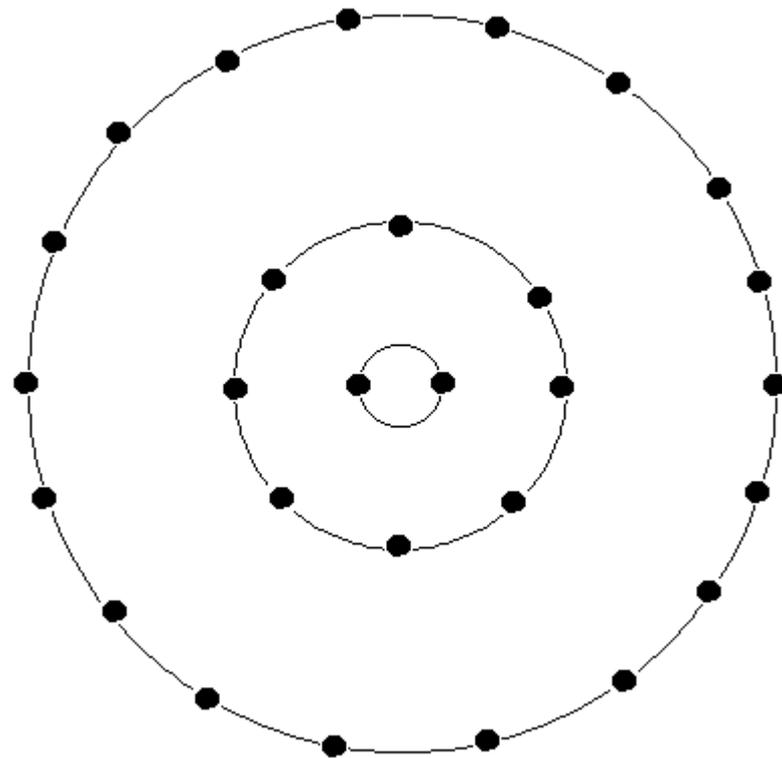
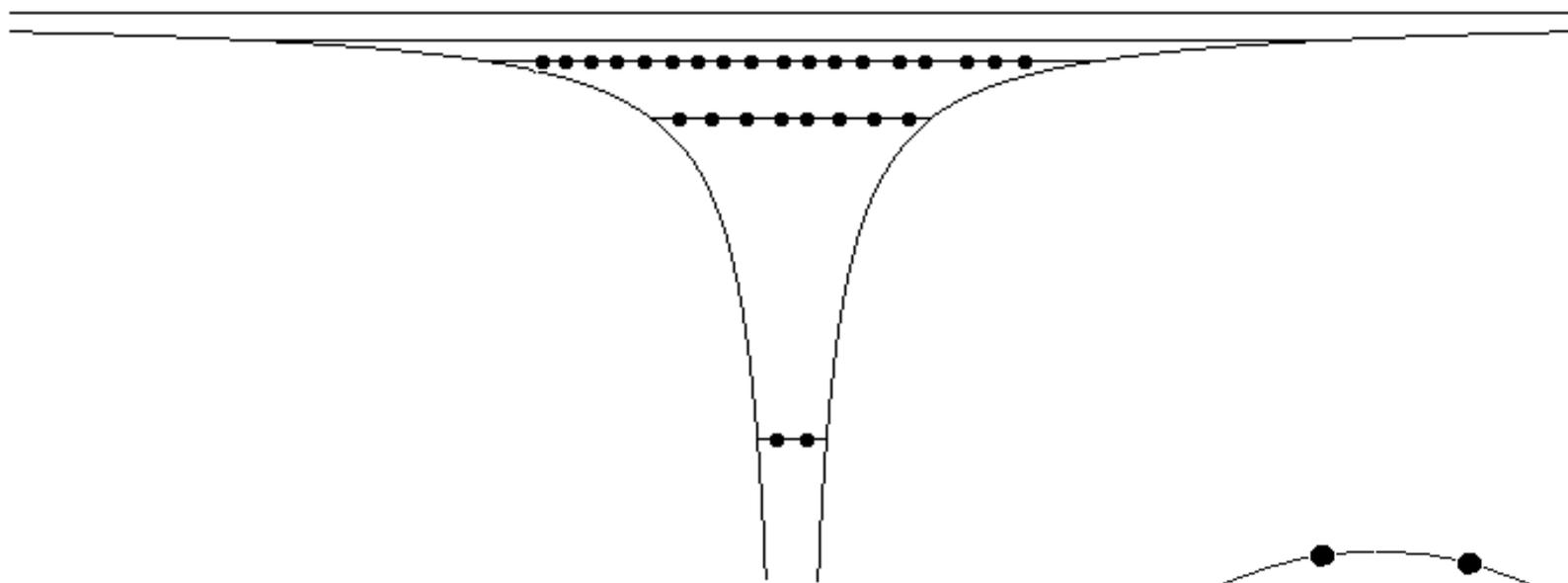
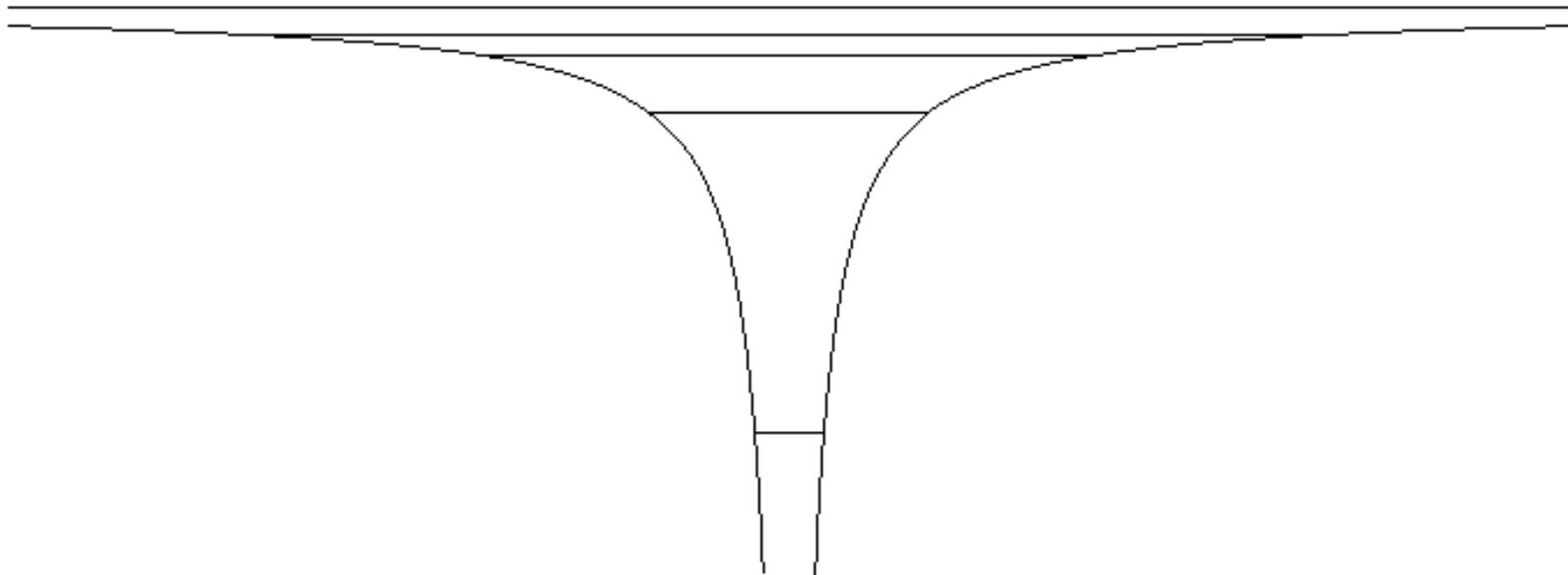
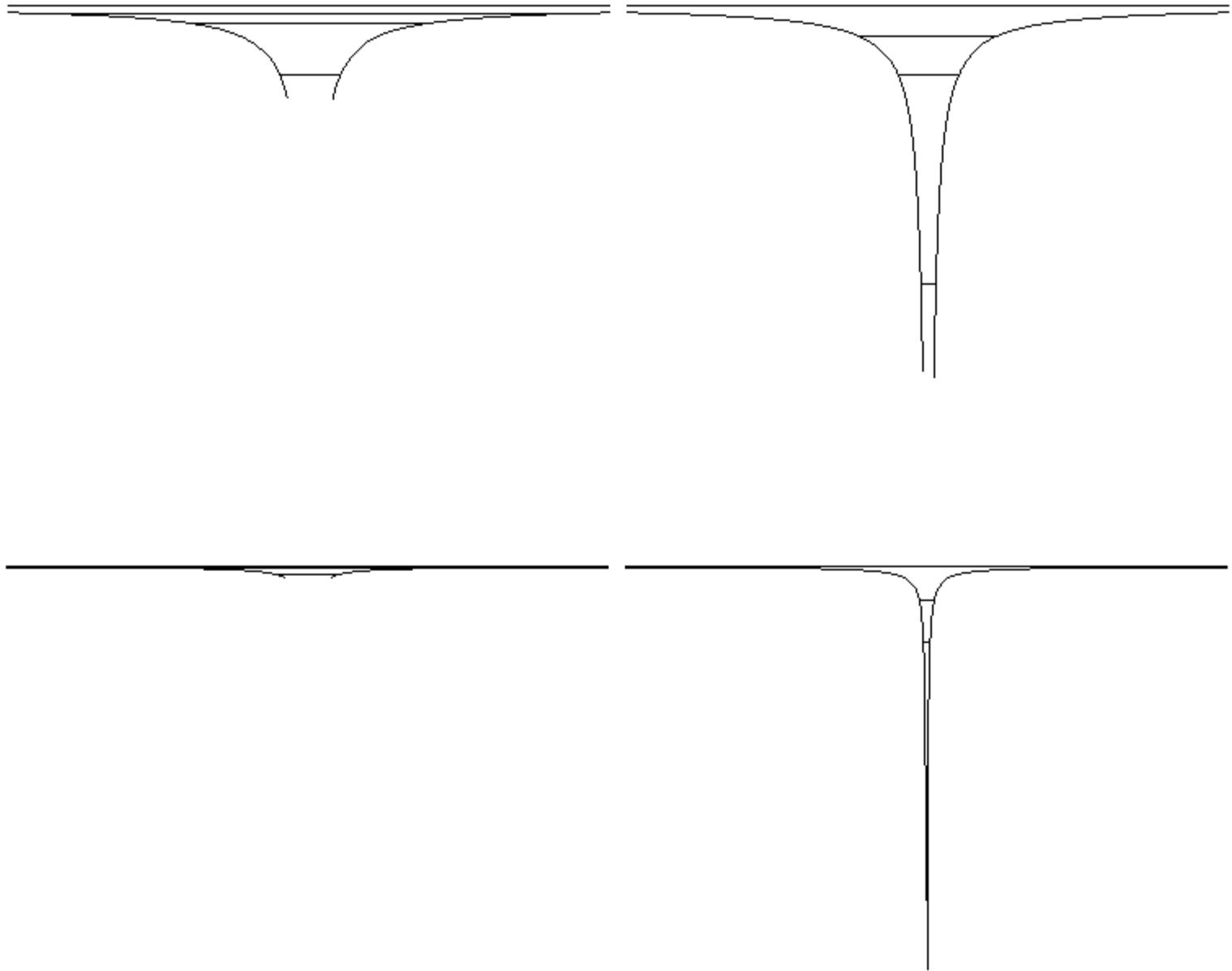


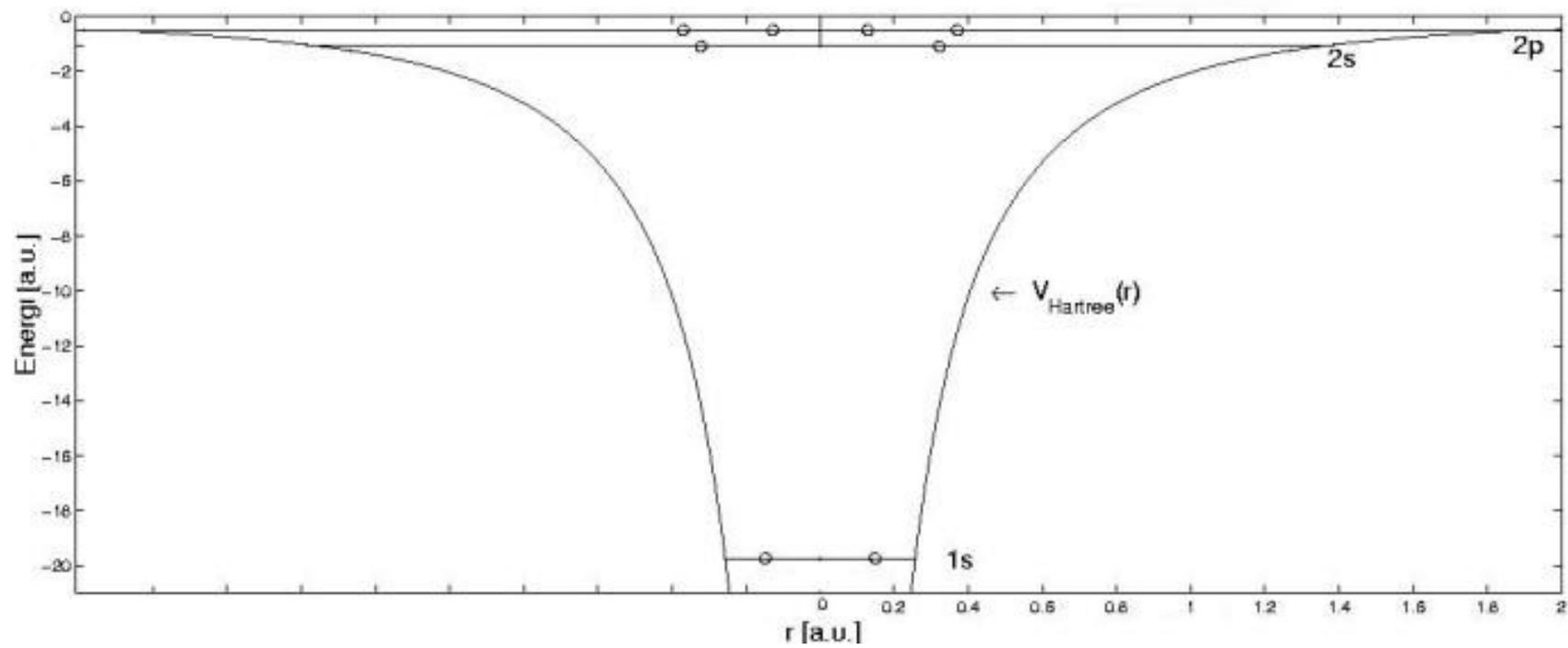
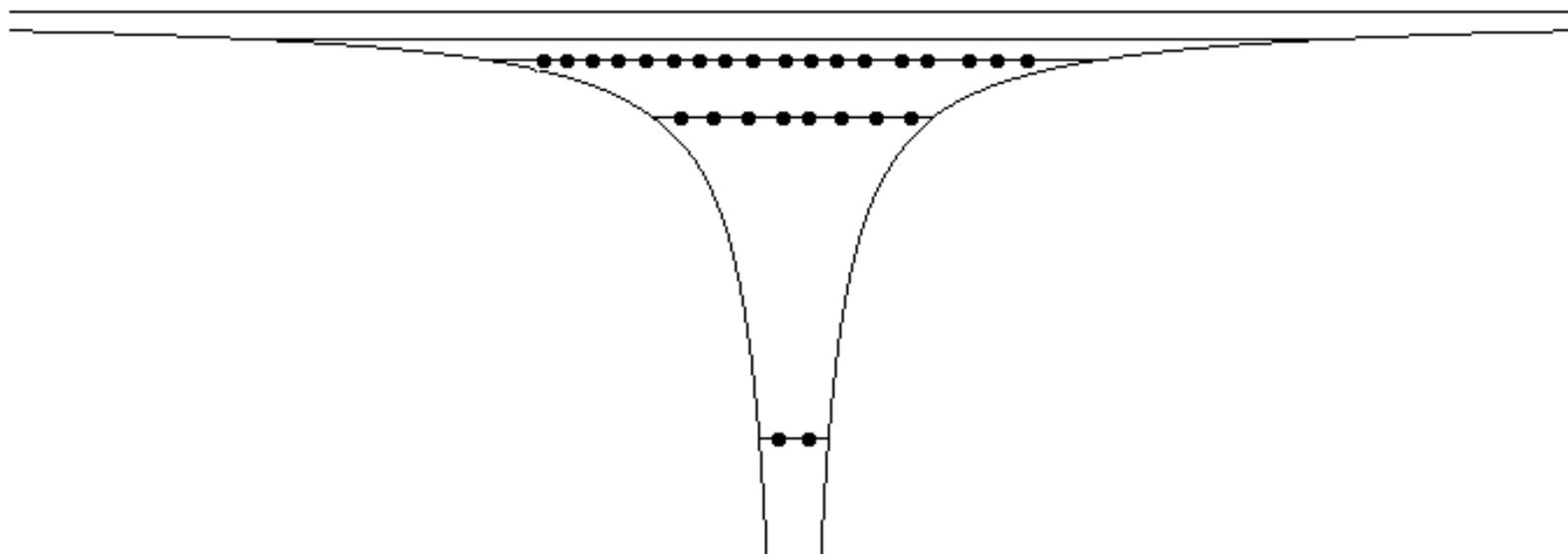
Torsdag 7. mars 2002



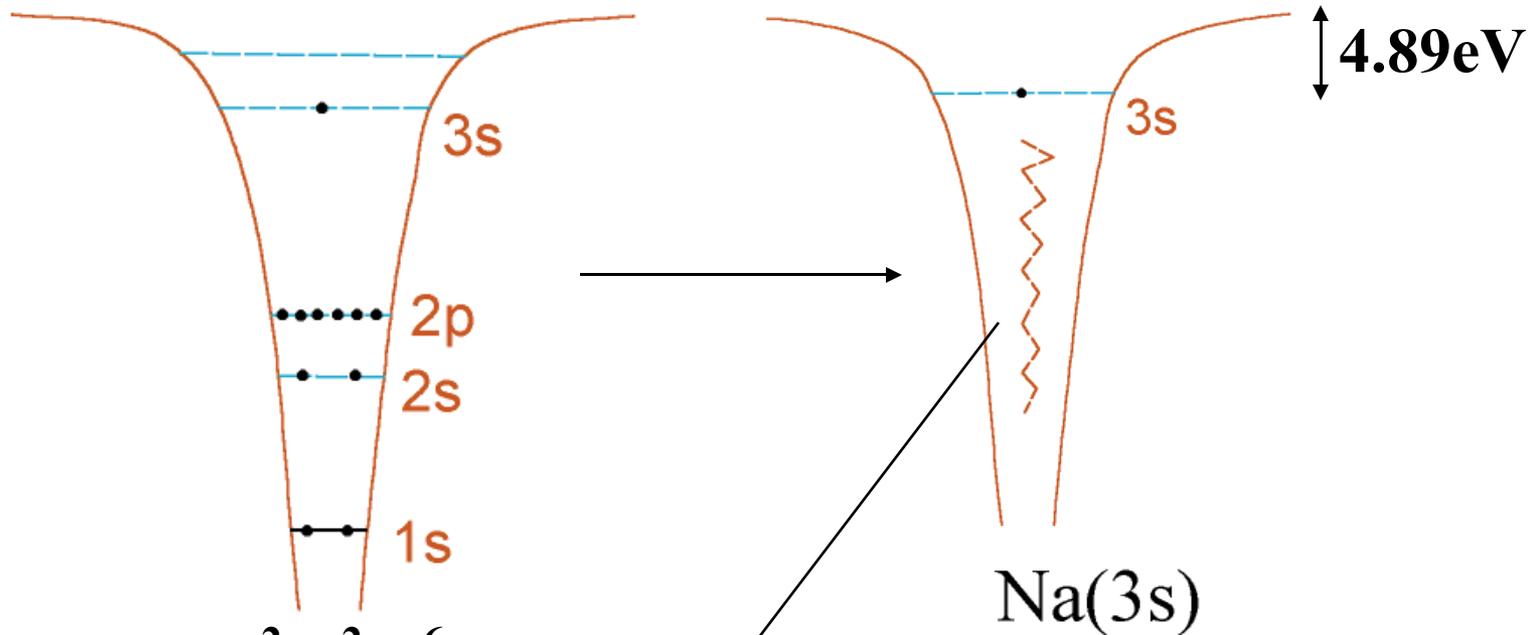


Torsdag 7. mars 2002





Nearly one-electron systems

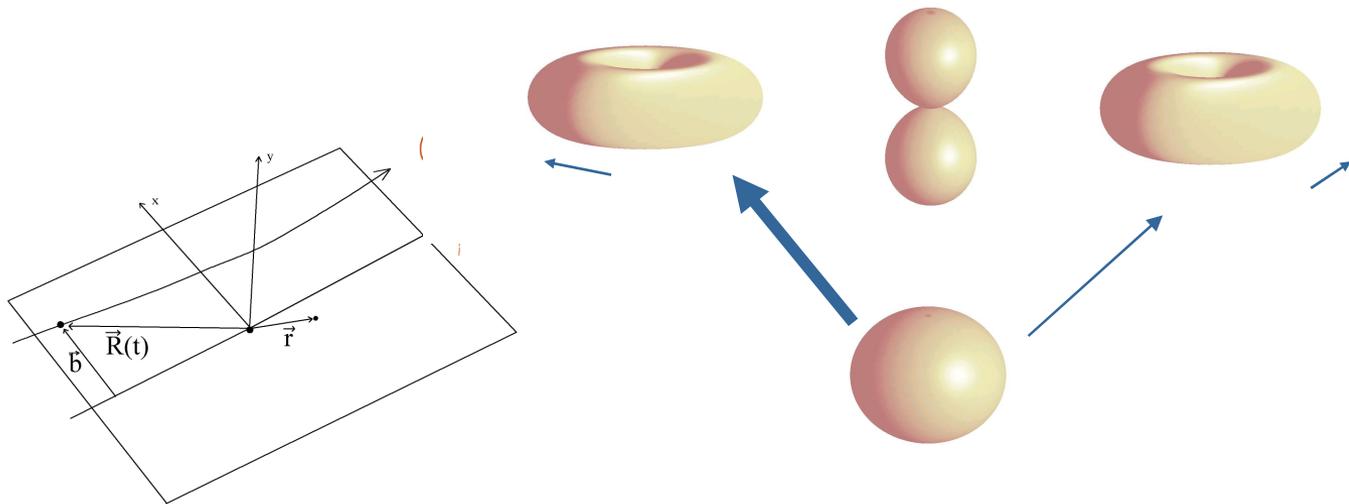


$$\hat{H} = -\frac{\nabla^2}{2} - \frac{1}{r} + V_{core}$$

$$\hat{H} \Psi_{n,l} = \epsilon_{n,l} \Psi_{n,l}$$

Geometriske aspekter:

- Eksempel: $S - P$ Eksitasjon:



Orientation parameter:

$$L_i(b, \nu) = \frac{|c_{m=+1}|^2 - |c_{m=-1}|^2}{|c_{m=+1}|^2 + |c_{m=-1}|^2}$$

$$L_i(b, \nu) = -2 \frac{K_0(q_0 b) K_1(q_0 b)}{|K_0^2(q_0 b) + K_1^2(q_0 b)} < 0$$

I overenstemmelse med eksperimenter/beregninger for en rekke s-p prosesser!

Hansen og Hansteen,
J. Phys. B. **25**, L183 (1992)

Tidsutvikling:

