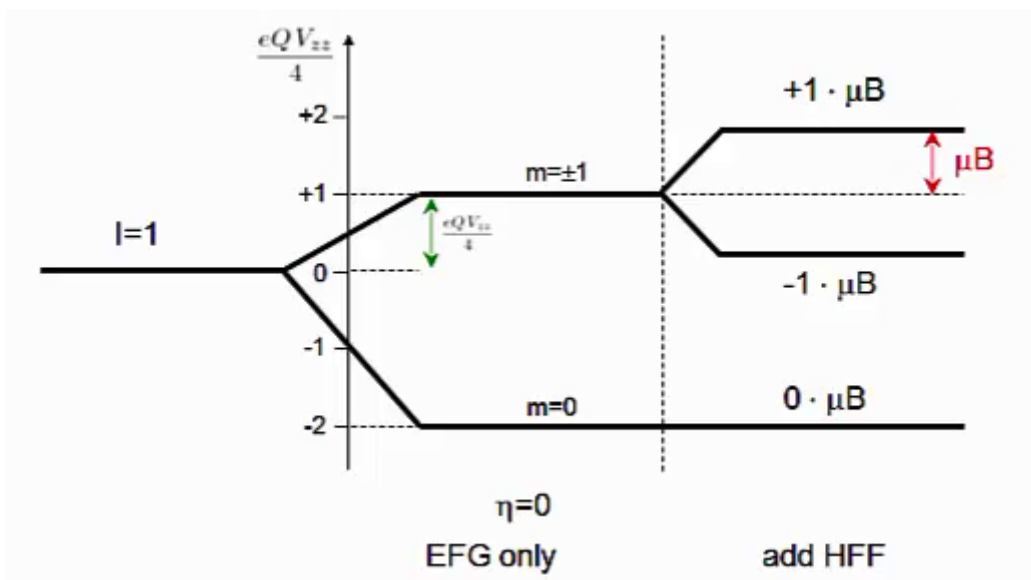# miscellaneous topics

1. Do as suggested in the video for this level scheme: calculate this situation the other way around (=applying first the magnetic interaction), and show that this gives the same result.

(Hint: you can save time if you sketch this by hand on paper, together with the few calculations you need. Then scan it to pdf. No need to spend much time typing all calculations and making a neat electronic picture.)

2. Do as suggested in the video: describe the PAS of the magnetic interaction and the PAS of the quadrupole interaction (and their mutual orientation)for the three Fe atoms in Fe_4N.