

VIP - 1

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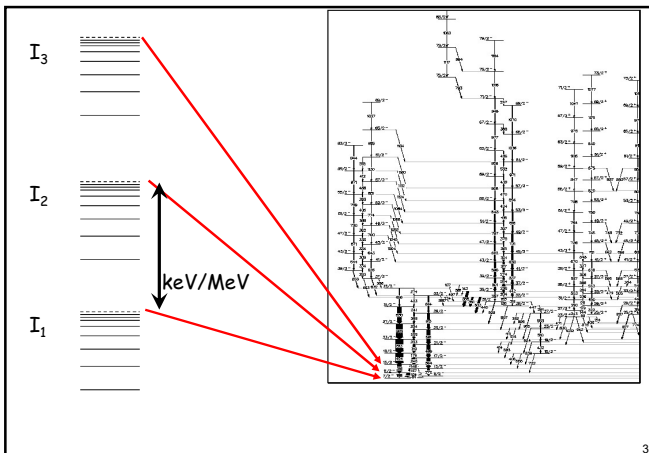
back to basics: the H- or He-atoms

When you studied H or He in your first courses on quantum physics, you made the following approximations :

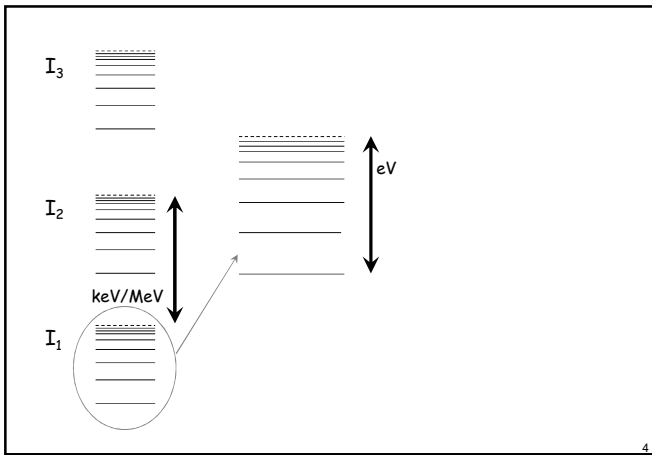
- non-relativistic
- effective electron-electron interactions (He, not H)
- infinitely heavy nucleus
- point nucleus

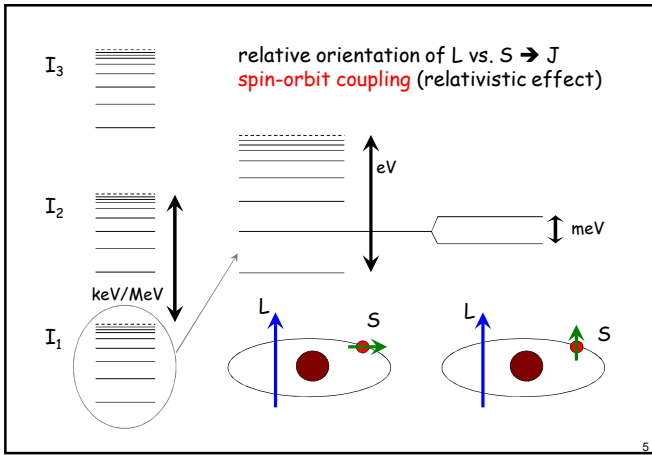
this course:
examine and exploit the new features that appear once the approximation of a point charge nucleus has been abandoned.

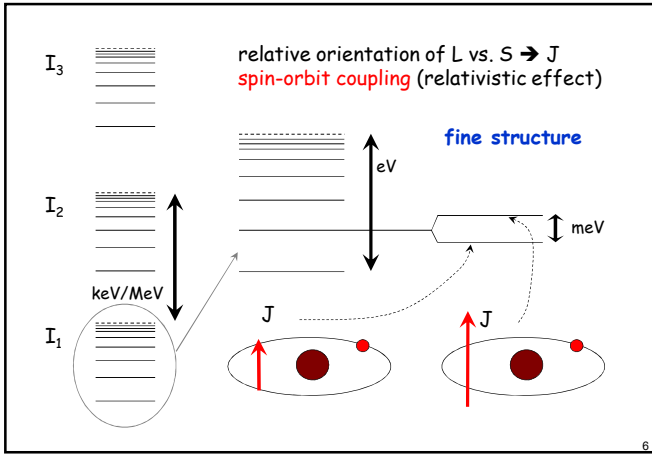
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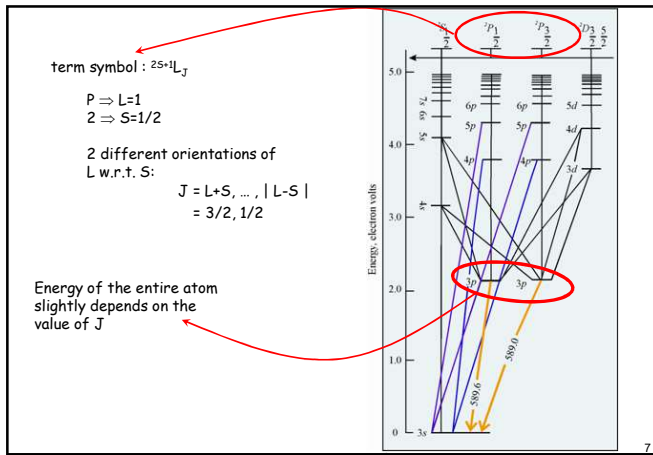


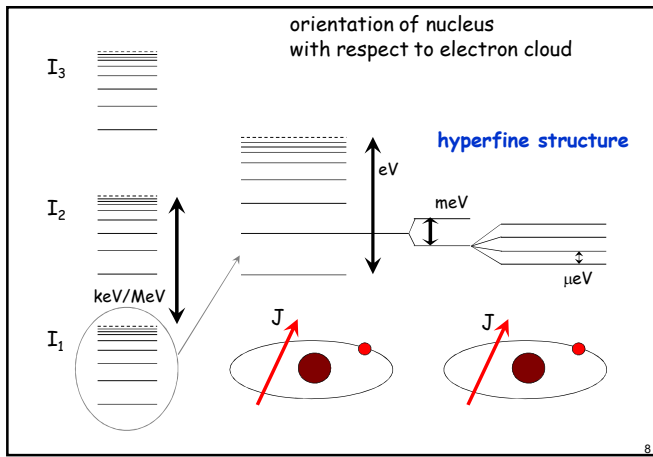
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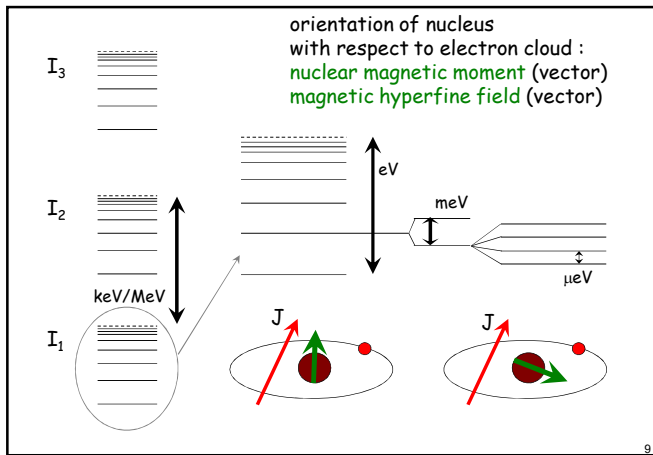


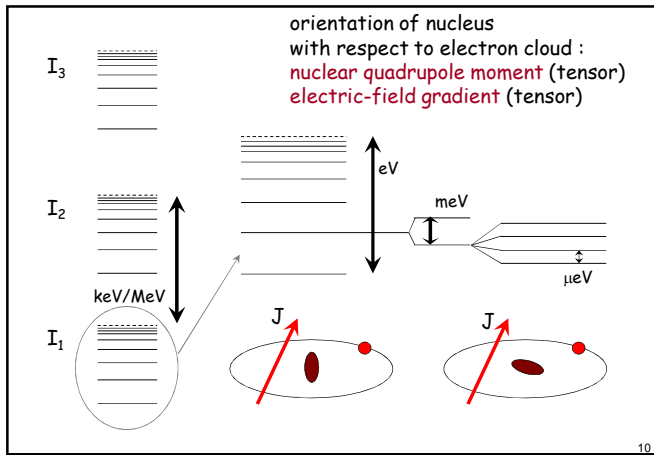












Attention !

There will be 2 VIPs^(*) in this course, and on the following slide you have the first one.

(*) Very Important Pictures

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