Outlook

Re: Experimetnal Wavelength Calculation for a NA-S transition.

From Aufdenberg, Jason P <aufded93@erau.edu>
Date Wed 4/2/2025 9:48 PM
To Newell, Madison <NEWELLM2@my.erau.edu>

Hi Madison,

Are you including the quantum defects (Table 6.1 in the text) for neutral Sodium ?

Dr. Aufdenberg

> On Apr 2, 2025, at 8:17 PM, Newell, Madison <NEWELLM2@my.erau.edu> wrote:
>
> Dr. Aufdenberg,
>
> Is this code a good way of calculating the NA-S lines? I am getting some pretty low values.
>
> It assumes that I am given some experimental wavelength and searches for a value close to the specified line. It is similar to one of our homework problems, but I thought NA-S should be in the UV spectrum?
>
> The input wavelength is just a sample... I could use any? Am I approaching this wrong?
>
> <image.png>
>
> *Kindly*,
> **Madison J. Newell** (Elena J. Sedlackova, She/Her)
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> **"[Study] what interests you most, in the most**
> **undisciplined, irrelevant, and original**
> **manner possible."**
> *-Richard Feynman, Famous Physicist*
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> <[1] btain_theorticalApproximation.py>