

Homework 3 Reflection

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1. I could have gone into more detail on this one, but it seems like what I wrote was at least sufficient.
2. I made the graph so that the deuterium spectrum was behind the hydrogen spectrum. This way, both are visible, rather than the deuterium eclipsing the hydrogen.
3. I didn't realize that the mass has a small effect on the energy of the photon. That is interesting.
4. I did the calculations here by hand. It makes sense that you were expecting them to be done in the code.
5. I just didn't do this one.
6. I only plotted the spectrum without matching any lines.
7. (a) This one is good!
(b) I forgot that I had to change the radius used in the calculation.
(c) My answers for part b were too high, but I had the right idea here.
(d) I don't really understand what is going on in the frequency part of the table.
8. I drew this by hand instead of plotting it on a computer.
9. This one I just got correct. I didn't write and calculations because I found it for the previous question.
10. I don't understand what I did wrong here. I did the same calculation and got the same answer as you.