

Chem 1410: HW # 1. Assigned 8/31. Due 9/9

1. Q.1.1

2. Q1.10

3. Based on the Bohr expression for the energy levels of the H atom, how do you expect the absorption spectra to differ for H and its isotope D?

4. P1.11

5. Read the article: <http://link.springer.com/article/10.1007%2Fs00016-003-0143-5#page-1>

And write a short (3-4 sentences) summary of the connections between the University of Pittsburgh and the measurements of black-body radiation.