

Monday, February 23

Last Time:

- Recap of spatial and spin wave functions
- Effective charge and shielding
- Ionization energies and the periodic table

Today:

- Applications: atomic spectroscopy
 - AA: atomic absorption
 - X-ray spectroscopy: EDS/WDS
 - Photoelectron spectroscopy PES

Readings:

- Levine 18.6–18.10

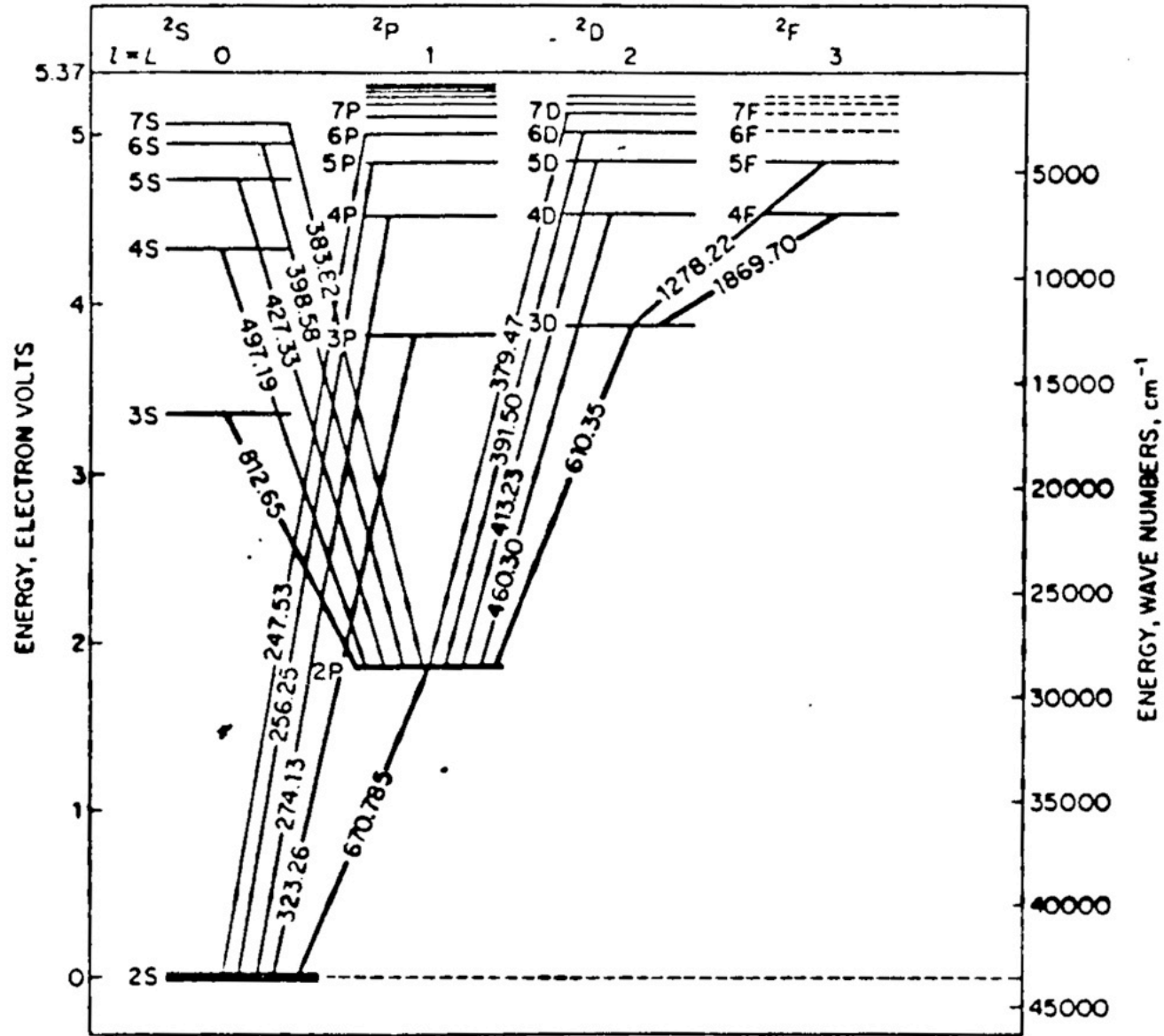
Handouts:

Reminders:

- Take-home exam out on Wednesday

Li Spectrum

$$E_{2s} \neq E_{2p}$$



Orbital Energies vs Z

