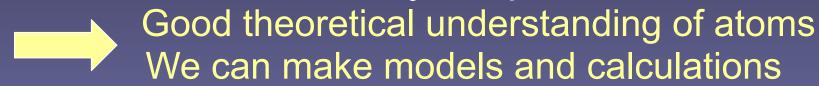




We study atoms because...

Atoms are relatively simple



We can control them well by use of lasers
Extreme accuracy of measurements

High-precision experiments provide tests of our theories and let us learn more about fundamental physics like parity violation, fundamental constants, general relativity, the weak interaction, quantum electrodynamics, etc.

- 1. Why do we study atoms?
- 2. What is atomic spectroscopy?
- 3. What is a frequency comb?
- 4. Why Potassium?
- 5. What have I done this summer?