

We study atoms because...

- Atoms are relatively simple



Good theoretical understanding of atoms
We can make models and calculations

- 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?