

During week 9, we will have a symposium where we will celebrate AMO-related modern research. Please find a partner to present with, so we have groups of two people give 12-minute presentations (6 minutes per person) + 3 minutes for questions.

Below are some examples of topics, but you can choose any modern-research-in-spectroscopy-related topic you like to learn more about and share with others. By May 22, please let me know what topic you chose and who you are partnering with. I will also be asking for title, abstract, and references you are basing your presentation on as a part of HW5.

Examples of topics:

Atomic beam spectroscopy

Doppler-free two-photon spectroscopy

Saturation spectroscopy

Quantum beat spectroscopy

Laser cooling and trapping of atoms

Atom optics

Atom interferometry

Atomic clocks

Spectroscopy in astrophysics

Coherent anti-Stokes Raman spectroscopy

Coherent THz spectroscopy

Photon echo

Optical nutation

Electromagnetically induced transparency

Photon anti-bunching and sub-Poissonian light

Quantum optics