Phys 707: Atomic and Nuclear Physics

PHYSICS & ASTRONOMY

This course is devoted to the main experimental and theoretical results in atomic and subatomic physics. These include atomic configurations and spectroscopy; properties of atoms in magnetic and electric fields including fine and hyperfine structure in atomic spectra; X-ray spectroscopy; main concepts of nuclear physics for understanding influence of the nucleus on atomic spectra.

3 Credits

Instruction Type(s)

- Lecture: Lecture for Phys 707

Subject Areas

- Nuclear Physics
- Atomic/Molecular Physics

Related Areas

- Acoustics
- Condensed Matter and Materials Physics
- Elementary Particle Physics
- Optics/Optical Sciences
- Physics, General
- Physics, Other
- Theoretical and Mathematical Physics