

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

- <u>Nuclear Physics</u>
- <u>Atomic/Molecular Physics</u>

Related Areas

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

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