

Phys 723: Nuclear Physics I Physics & Astronomy

This two-course sequence covers nucleus and nucleons, mass, binding energy, nuclear force, nuclear models, nucleon structure, quarks; nuclear reactions, conservation laws, nuclear decay; radioactivity, nuclear fission and thermonuclear energy; nuclear fusion, solar fusion, controlled fusion reactors; experimental methods and applications of nuclear physics.

3 Credits

Instruction Type(s)

Lecture: Lecture for Phys 723

Subject Areas

<u>Nuclear Physics</u>

Related Areas

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