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
- Nuclear Physics

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