

Phys 711: Quantum Mechanics I PHYSICS & ASTRONOMY

Schrodinger's equation and Hilbert spaces. Symmetry and conversation laws. Path integral quantization. Quantum theory of angular momentum. Systems of identical particles and many-electron atoms. Perturbation theory. Nonrelativistic scattering.

3 Credits

One-way corequisites

Phys 709: Advanced Mechanics I

Instruction Type(s)

Lecture: Lecture for Phys 711

Subject Areas

• Physics, General

Related Areas

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

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