

LECTURE 7 HYDROGEN ATOM WAVEFUNCTIONS

I. Hydrogen Atom Wavefunctions

- A. Orbitals
- B. Degeneracy

II. Shapes of H Atom Orbitals

- A. Probability density
- B. Radial probability distribution
- C. s wavefunctions
- D. Radial nodes

III. Bohr's Model and the Uncertainty Principle