

09/15/08

Syllabus of Quantum Physics

1. Textbook: Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles
2nd Edition; Rober Eisberg & Robert Resnick
- 2 Grading Rule :
 - Homework 30%
 - Midterm 35% 11/13/08
 - Final Exam 35% 01/15/09
3. Office and Office Hours: Rm. 527, New Physics building
TEL: 33665151 Tuesday 10:00~12:00

Web site : http://hep1.phys.ntu.edu.tw/~pchang/quantum_physics_08

Assistant : 李建宏 , 蔡偉駿

4. Topics :
 - (1.) Thermal Radiation & Planck's Postulate
 - (2.) Photons ---- Wave-Particle Duality
 - (3.) Matter Waves
 - (4.) Bohr's Model
 - (5.) Schrödinger's Theory
 - (6.) Time-independent Schrödinger Equation
 - (7.) One-Electron Atom
 - (8.) Spin and Transition Rates
 - (9.) Multi-electron Atoms