

02/16/09

## 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% 04/15/09
  - Final Exam 35% 06/18/09
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\\_09s](http://hep1.phys.ntu.edu.tw/~pchang/quantum_physics_09s)

Assistant : 李建宏 , 蔡偉駿

4. Topics :
  - (1.) Multielectron atoms – Optical excitations
  - (2.) Quantum Statistics
  - (3.) Molecules
  - (4.) Conductors and Semiconductors
  - (5.) Superconductors
  - (6.) Nuclear Models
  - (7.) Nuclear Decays and Nuclear Reactions
  - (8.) Elementary Particle Physics (1)
  - (9.) Elementary Particle Physics (2)