Physics 741  
Experimental Nuclear Physics  
Revised September 3, 2008

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Website: http://neutrino.physics.wisc.edu/teaching/PHYS741/

Meetings: MW, 11-12.15pm, 2104 Chamberlin  
(*please note the revised meeting time and place*)

References:

1. Various review papers (links will be provided on course website)

The following books will be used and referred to in the course. I would recommend maybe buying one of them. Most of these books are available in the Physics Library. Some book chapters will be made available as a PDF on a restricted website. I will post more references on the course website as needed.

2. “Subatomic Physics”, Henley and Garcia


4. “Particles and Nuclei”, Povh, Rith, Scholz, and Zetsche

5. “Nuclei and Particles”, Segre


7. “Radiation Detection and Measurement”, Knoll

Course Grading:

1. Homework problems will be assigned every other week, or as needed.
2. Papers will be given to read that will be discussed in class. Class participation and discussion is important.
3. Project: Instead of an exam, there is a class project that will require some effort:
   a. Investigating and reporting on an unsolved problem in experimental nuclear physics that is not directly connected to your research.
   b. Preparing a conference-style presentation.
   c. Attending extra seminar classes near the end of the quarter (when projects are presented). Project papers will be made available on the web site.