

Appendix A

General References

Note that many of these are available in the lab. Also, see hyperlinks in the class web page (e.g. table of isotopes).

Statistics and Data Analysis

1. "Data Analysis for Physical Science Students:", Lous Lyons (my personal favorite)
2. "Data Reduction and Error Analysis for the Physical Sciences", P. Bevington, D. Robinson (updated classic)

Experimental Methods

1. "Experiments in Modern Physics", Melissinos and Napolitano, 2nd ed., 2003, Academic Press.
2. G.F. Knoll, Radiation Detection and Measurement, 2nd ed., 1989, Wiley.
3. W.R. Leo, Techniques for Nuclear and Particle Physics Experiments, 2nd ed., 1994, Springer.
4. Technical notes are available for all experimental hardware.

Physics

1. "Optics", Hecht and Zajac, Addison Wesley Publishing Company; 3rd edition (August 1997).
2. "Electricity and Magnetism, Berkeley Physics Series Vol II", E. Purcell, McGraw-Hill Science/Engineering/Math; 2 edition (August 1, 1984)
3. any recent modern physics book
4. Melissinos (op. cit.)