

**Técnicas Experimentales Avanzadas en Física Nuclear Master Inter-
universitario de Física Nuclear Curso 2018-19
IEM – CSIC Madrid**

Bibliografía:

Textos de referencia en instrumentación nuclear:

- Introduction to Accelerator Physics, P.J. Bryant, 14th. I. Winter Meeting. Eds. E. Fernández y A. Méndez. World Sci. 1897
- Gamma- and X-ray Spectrometry with Semiconductor Detectors, K. Debertin and R.G. Helmer, http://www.amazon.com/Gamma-X-Ray-Spectrometry-Semiconductor-Detectors/dp/0444871071#reader_0444871071
- Introduction to Accelerator Physics, P.J. Bryant, 14th. I. Winter Meeting. Eds. E. Fernández y A. Méndez. World Sci.
- S. Humphries, Principles of Charged Particle Acceleration, <http://www.fieldp.com/cpa.html>
- Introducción to Experimental Particle Physics, R. Fernow, Cambridge University Press, http://www.amazon.com/Introduction-Experimental-Particle-Physics-Richard/dp/0521379407#reader_0521379407
- **Radiation Detection and Measurement, G.F. Knoll, Wiley**
- **Techniques for Nuclear and Particle Physics Experiments, W.R. Leo, Springer Verlag**
- New Detector Developments for Nuclear Radiation, R. Mossbauer (J. Phys. G S1-S13 (1991))
- Particle accelerators and their uses, W. Scharf, http://www.amazon.ca/Particle-Accelerators-Their-Uses-Scharf/dp/3718605333#reader_3718605333
- Nucleon and particle physics simulations: the consortium for upper-level physics software" Bigelow et al., John Wiley 1995.
- NIST Physical Reference Data: <http://www.nist.gov/pml/data/index.cfm>

Textos de referencia en estadística aplicada a las medidas:

- P. R. Bevington and D.K. Robinson, Data Reduction and Error Analysis for the Physical Sciences, McGraw-Hill, 2003