An X-ray view of gas and dust in the diffuse interstellar medium

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B

Appendix to Chapter 3

Metallic iron measurements

Here we report the results of eight laboratory measurements of bulk metallic iron in the literature (Fig. B.1). To measure the spread in the energy range we used the peak at the L_3 edge, as it is more easily identifiable than the onset of the edge. The measurements are spread over 1.68 eV. This translates into $\sim$715 km s^{-1}, to be compared to the resolution of *Chandra*-MEG at the iron L edge energy of about 393 km s^{-1}.

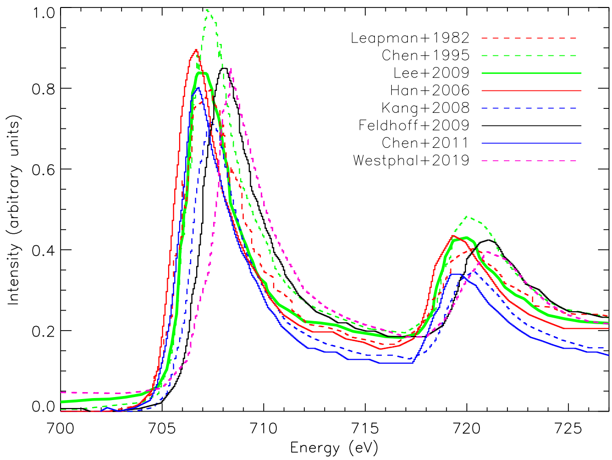

Figure B.1: Comparison of the L_2 and L_3 profiles taken from the literature. Note that the profile adopted in Lee et al. (2009) was obtained in Kortright & Kim (2000).