



Figure 14: Variation of Mössbauer ^{57}Fe hyperfine parameters for sample Ae75#20 (hd₂₅ae₇₅) with temperature: (a) isomer shift for all Fe species, (b) quadrupole splitting for all Fe subcomponents (c) fraction of iron in the Fe^{n+} state (for total iron = 100 %); (d) variation of Fe^{2+} quadrupole splitting distribution curves with temperature. Error bars are smaller than the symbols if not visible. Lines fitted to the data are guides to the eye.