

**Vibrational spectroscopy of cyanide-bridged, iron(II) spin-crossover coordination polymers:
Estimation of vibrational contributions to the entropy change associated with the spin-transition**

Gábor Molnár, Virginie Niel, Ana B. Gaspar, José-A. Real, Antoine Zwick, Azzedine Bousseksou, John J. McGarvey

Supporting Information

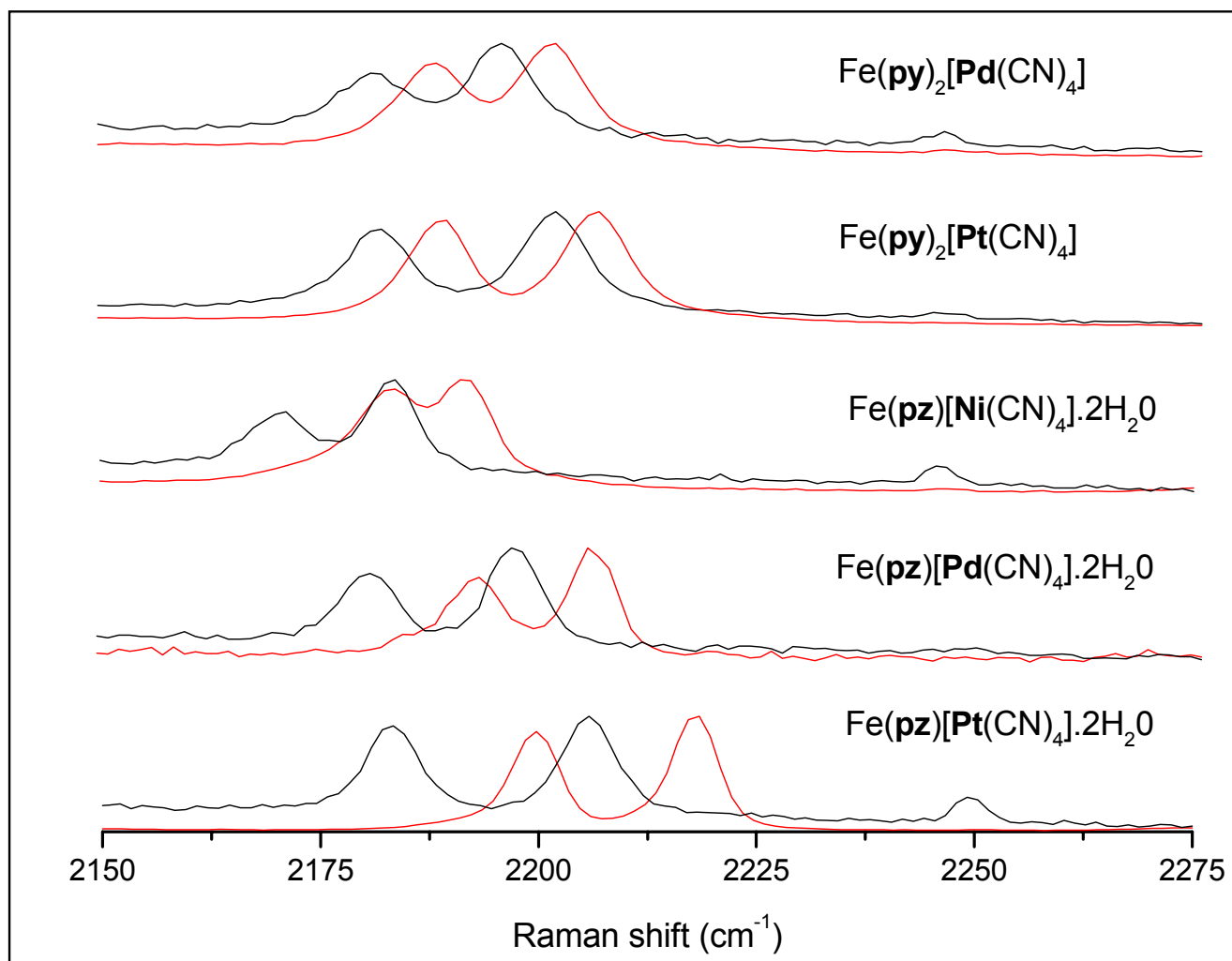


FIGURE 1: Raman spectra of coordination polymers: CN stretching frequencies (Spectra recorded above (below) T_c is in black (red))

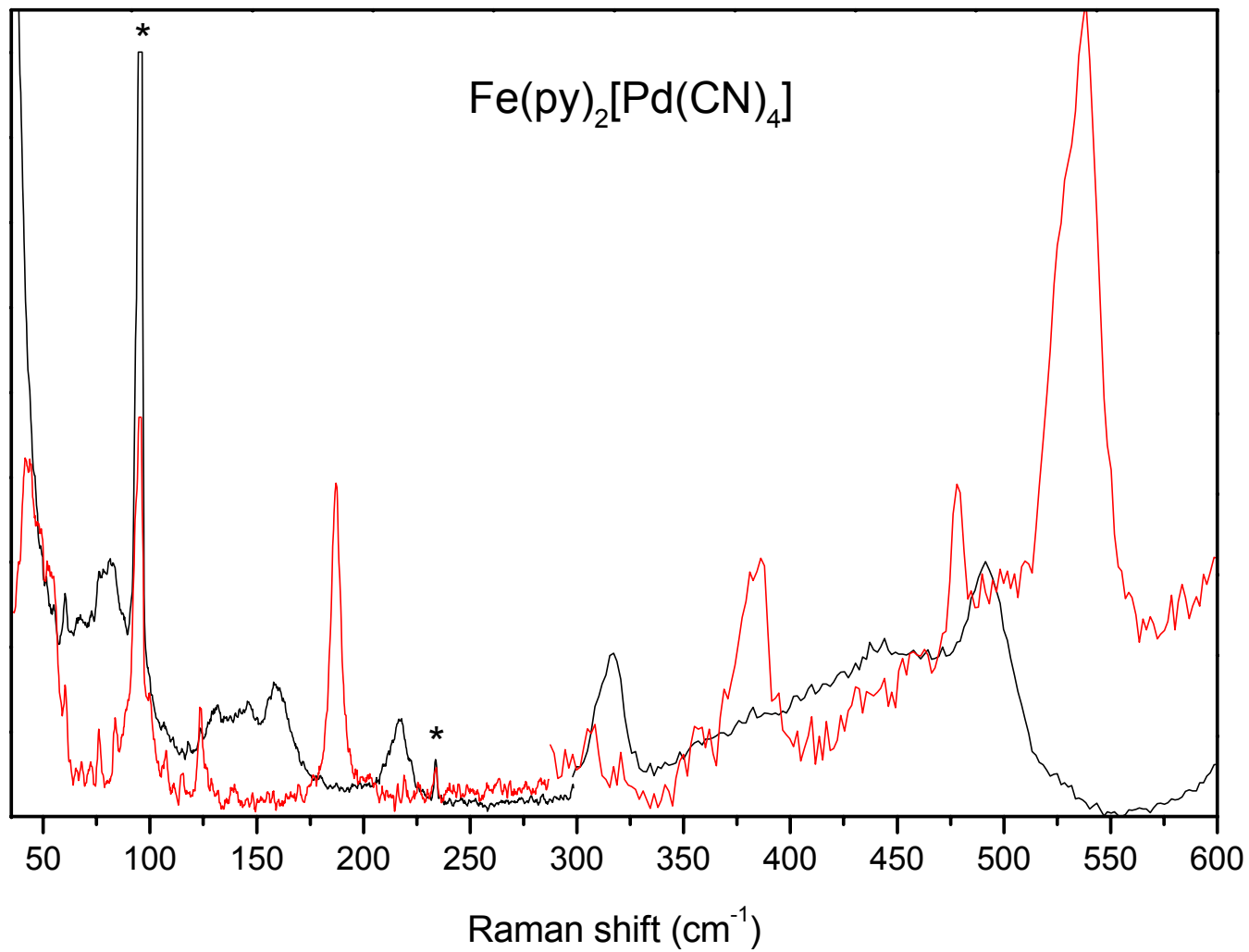


FIGURE 2A: Raman spectra of $\text{Fe(py)}_2[\text{Pd(CN)}_4]$ in the low-frequency region
Spectra recorded above (below) T_c is in black (red) (* indicates Kr^+ plasma lines)

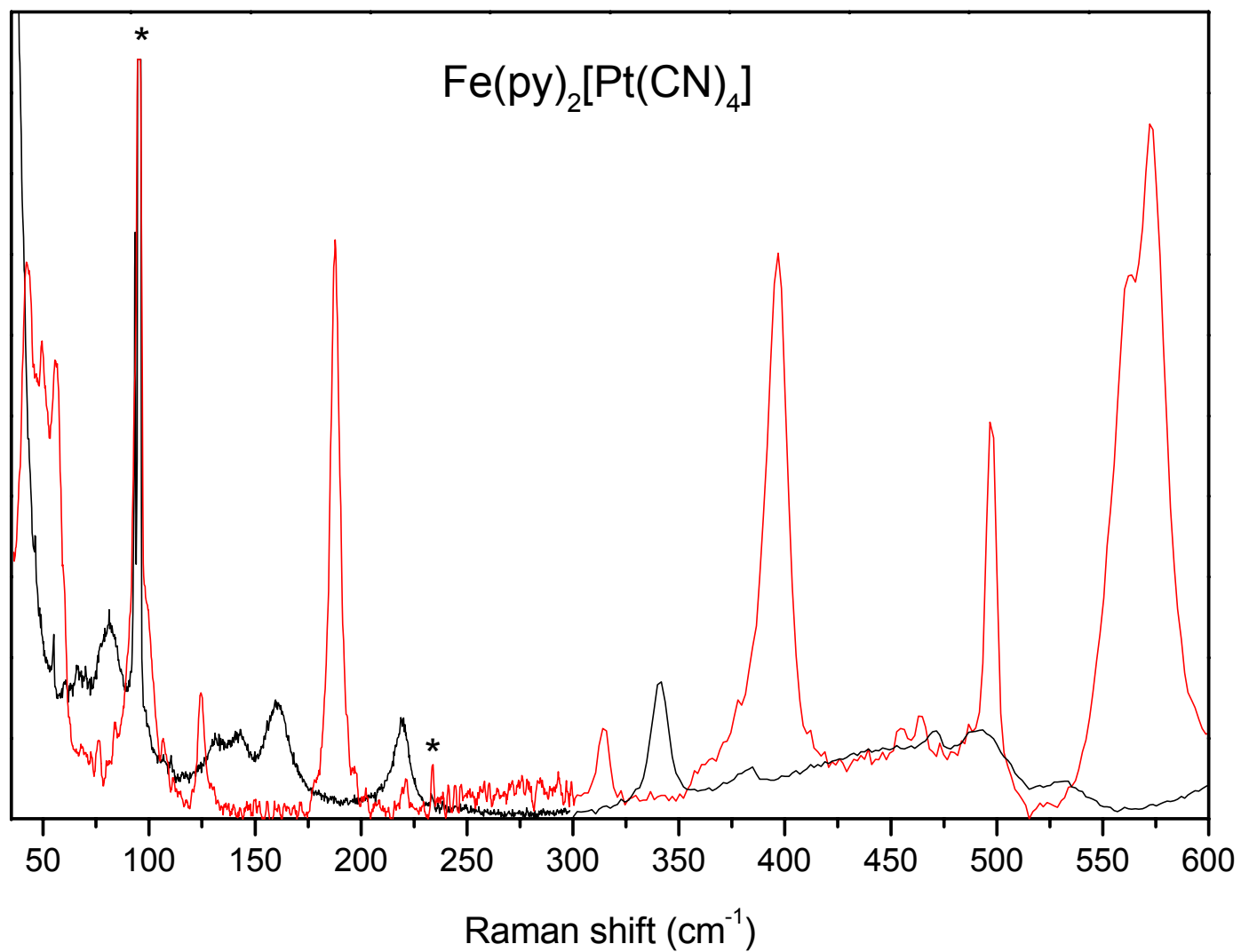


FIGURE 2B: Raman spectra of $\text{Fe}(\text{py})_2[\text{Pt}(\text{CN})_4]$ in the low-frequency region
Spectra recorded above (below) T_c is in black (red) (* indicates Kr^+ plasma lines)

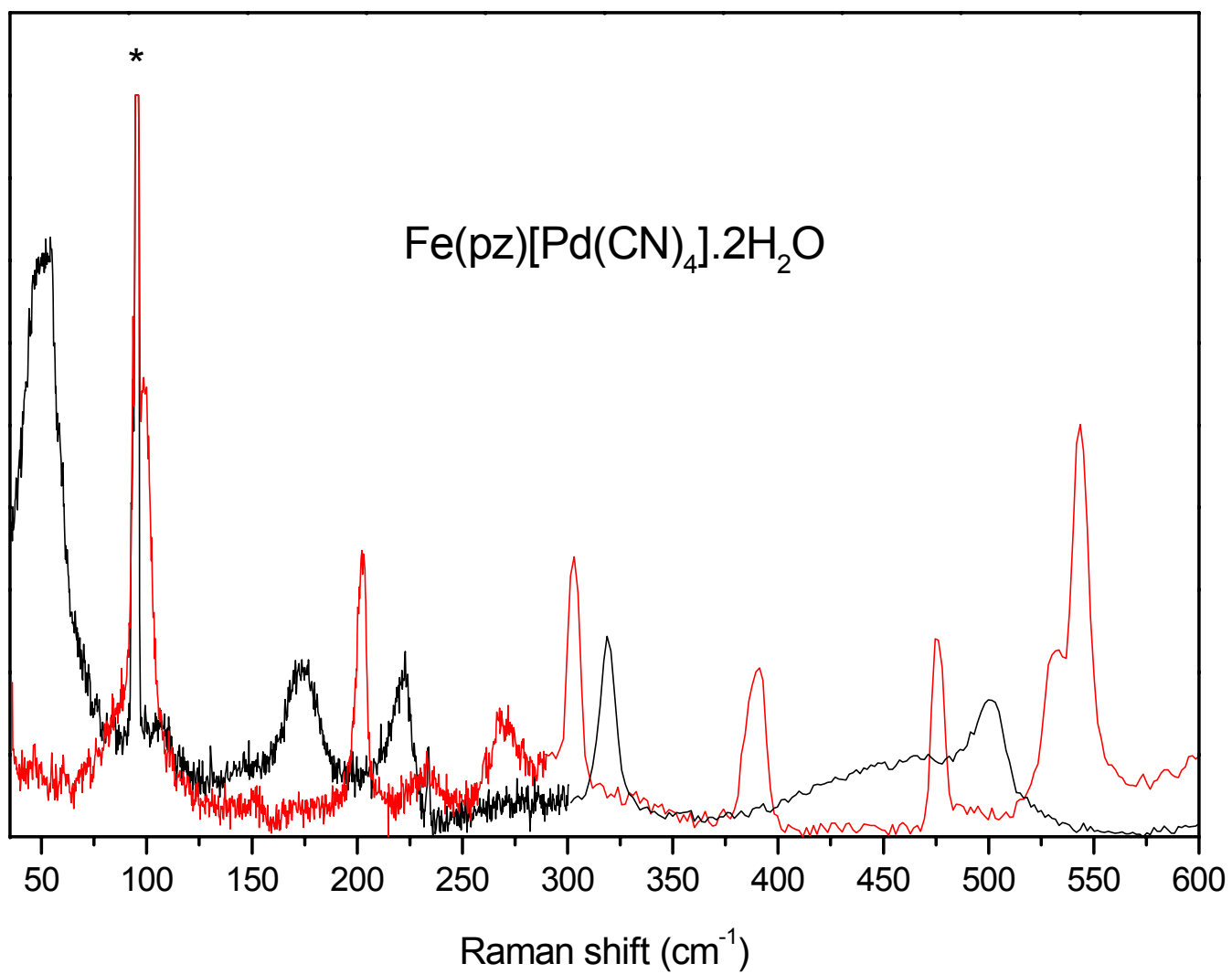


FIGURE 2C: Raman spectra of $\text{Fe(pz)[Pd(CN)}_4\text{].2H}_2\text{O}$ in the low-frequency region
Spectra recorded above (below) T_c is in black (red) (* indicates Kr^+ plasma lines)

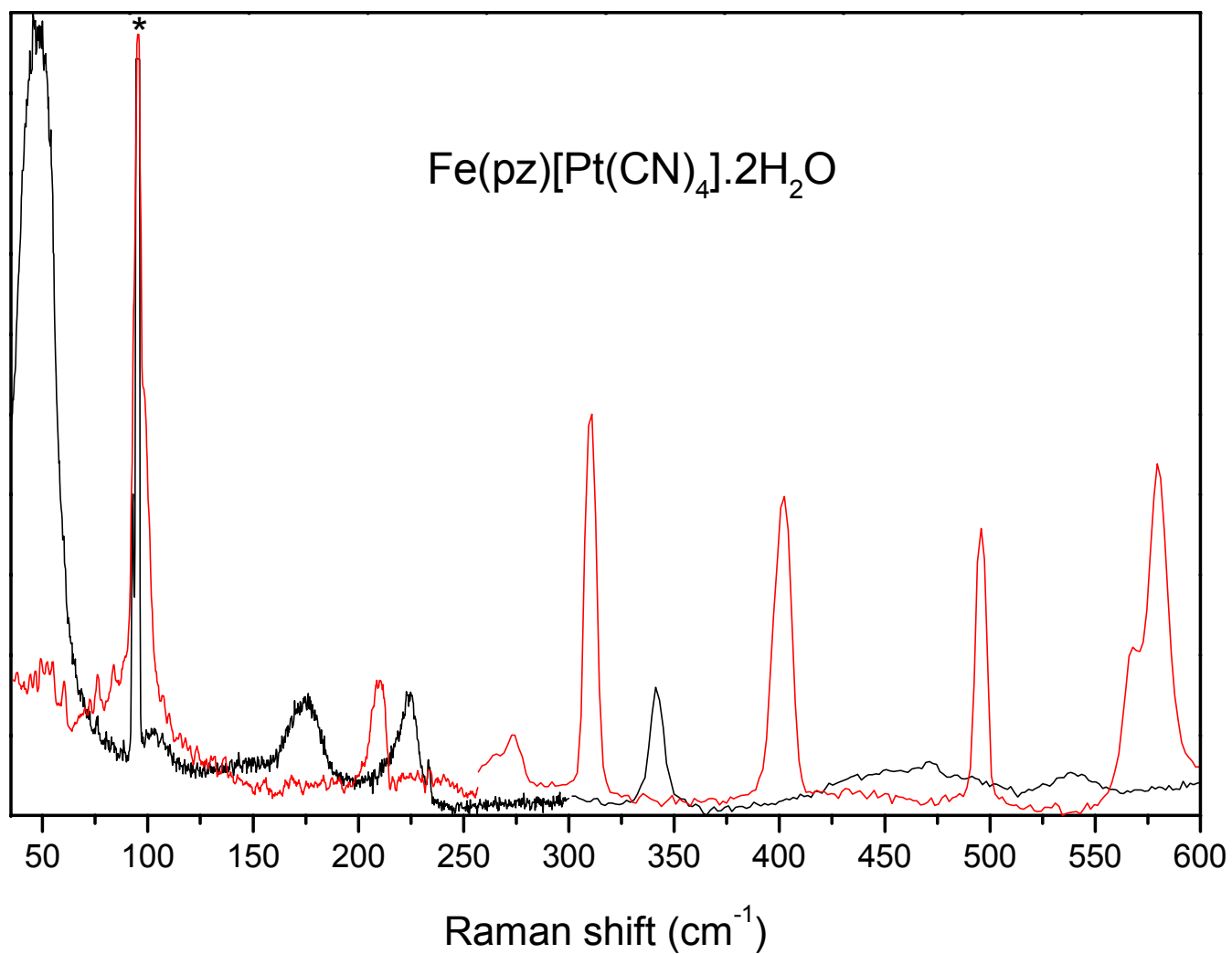


FIGURE 2D: Raman spectra of $\text{Fe(pz)[Pt(CN)}_4\text{].2H}_2\text{O}$ in the low-frequency region
Spectra recorded above (below) T_c is in black (red) (* indicates Kr^+ plasma lines)

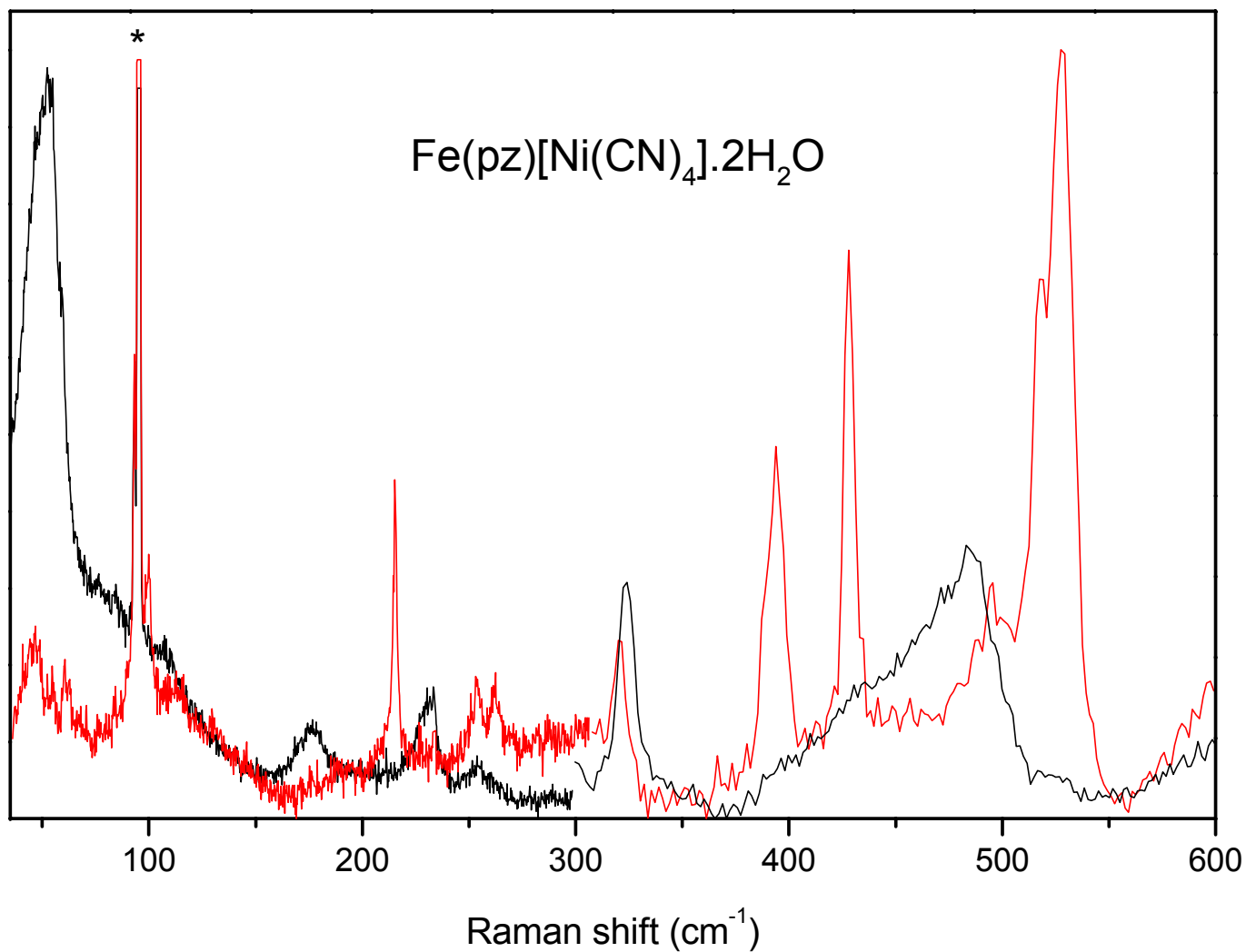


FIGURE 2E: Raman spectra of $\text{Fe(pz)[Ni(CN)}_4\text{].2H}_2\text{O}$ in the low-frequency region
Spectra recorded above (below) T_c is in black (red) (* indicates Kr^+ plasma lines)

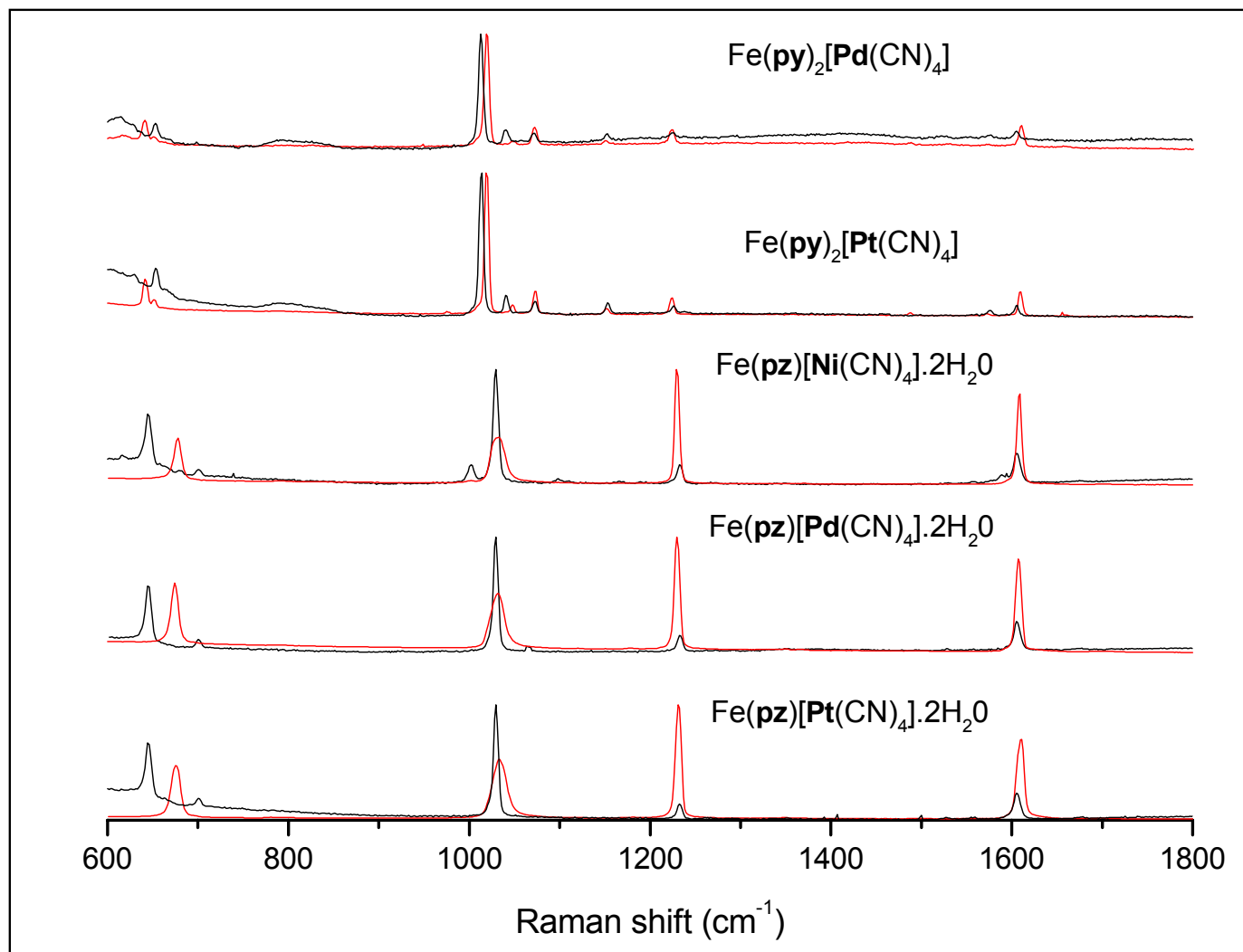


Figure 3: Raman spectra of coordination polymers: pyridine or pyrazine internal modes
Spectra recorded above (below) T_c is in black (red)