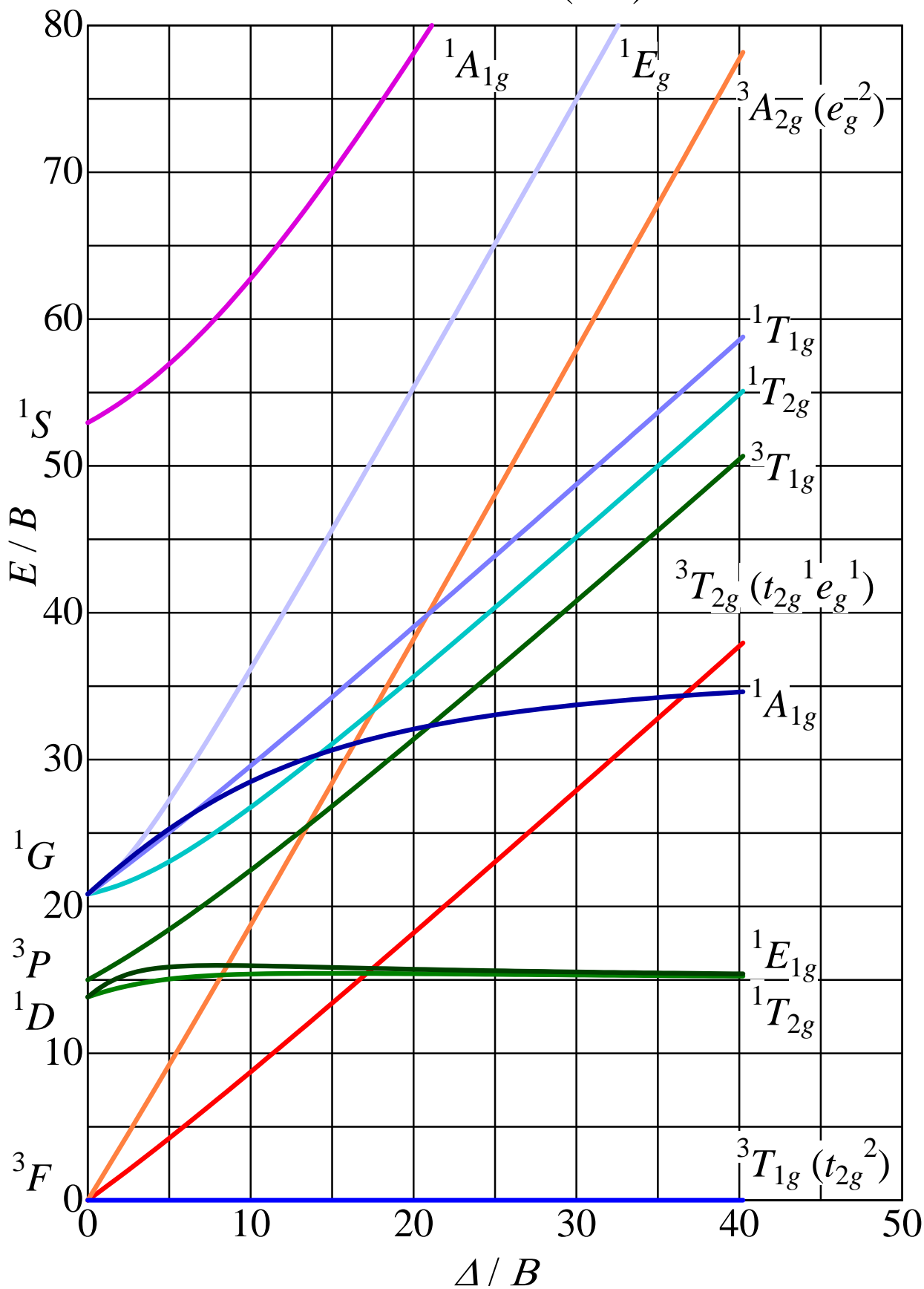
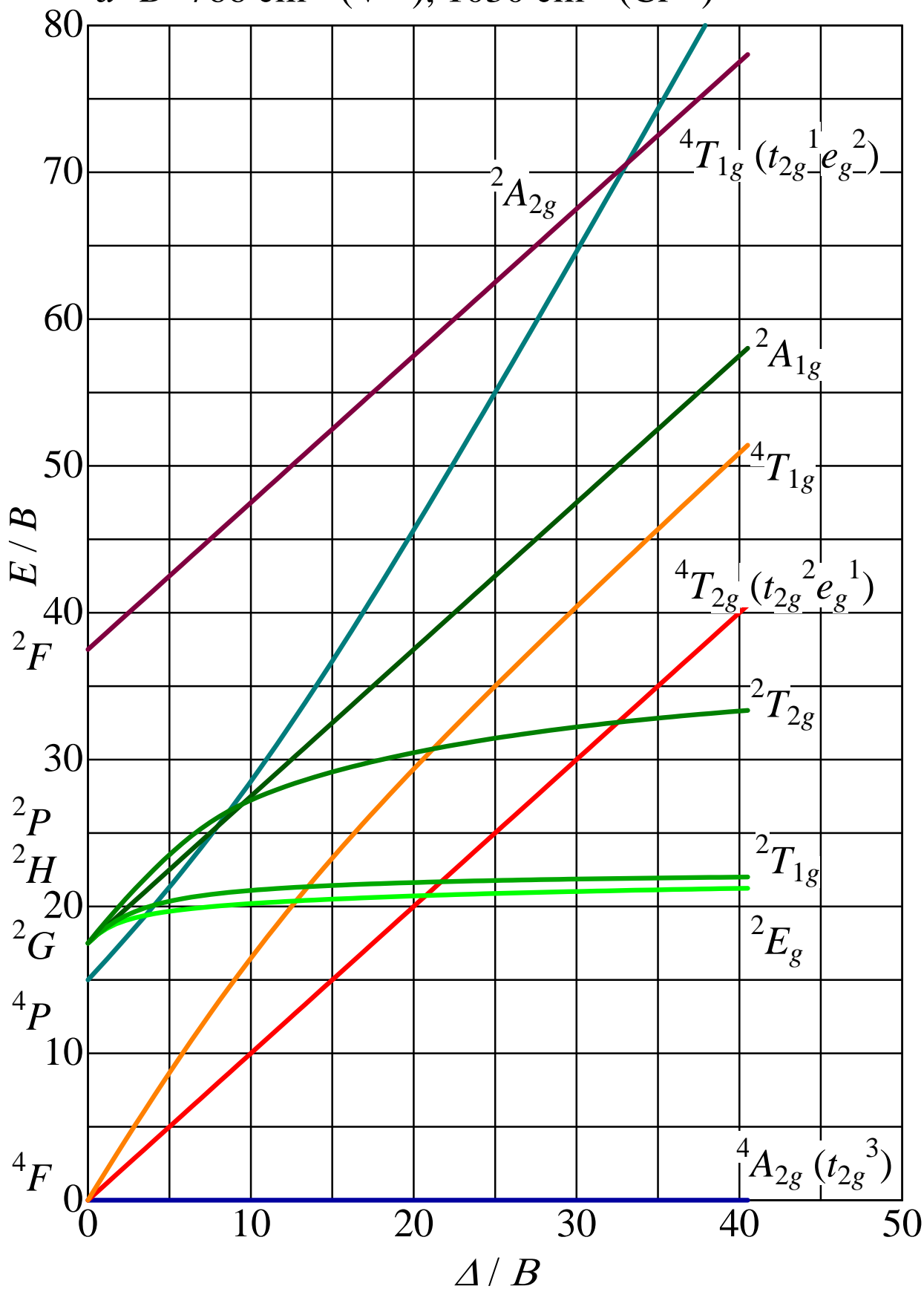


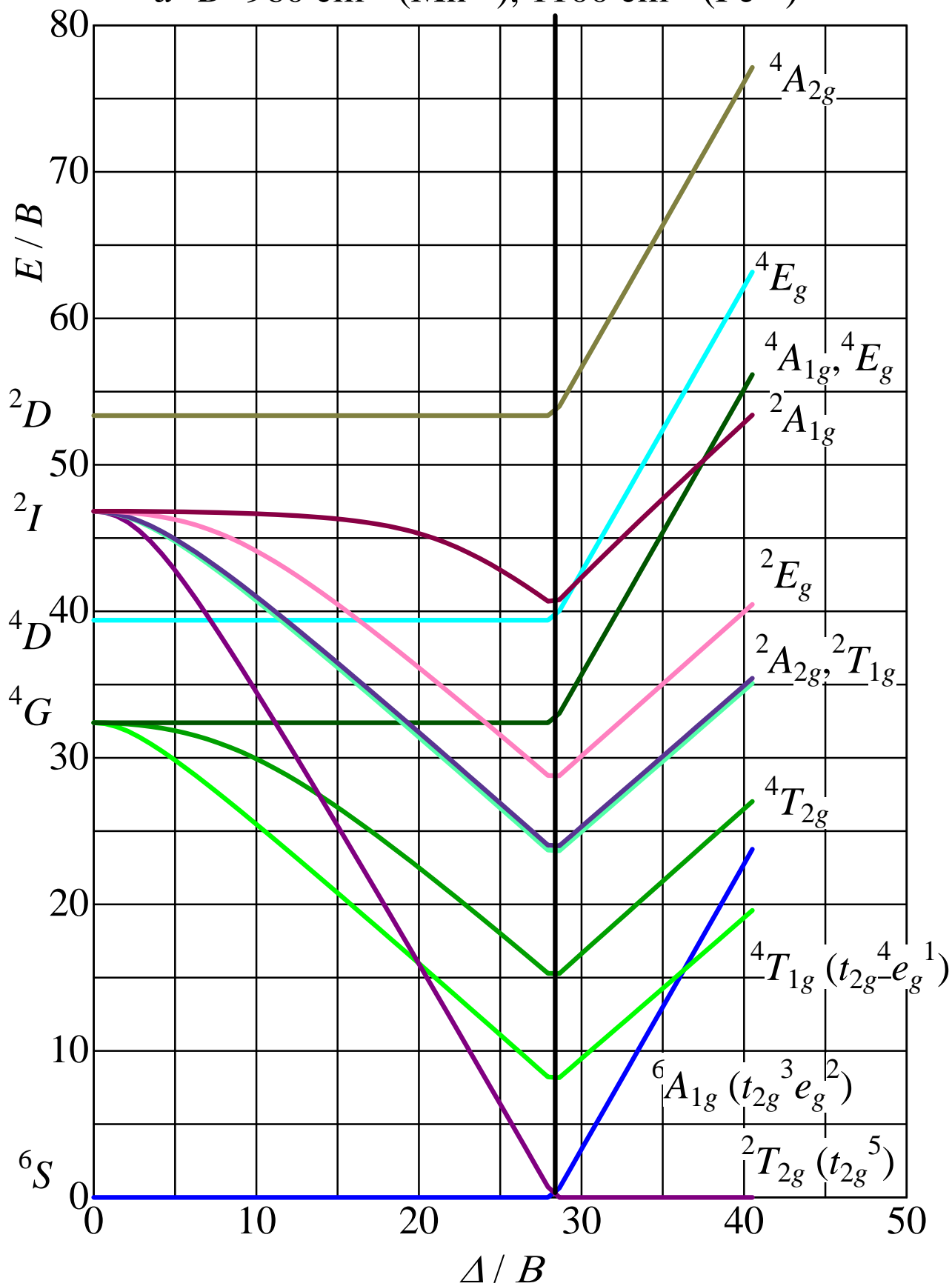
$d^2 B=860 \text{ cm}^{-1} (\text{V}^{3+})$



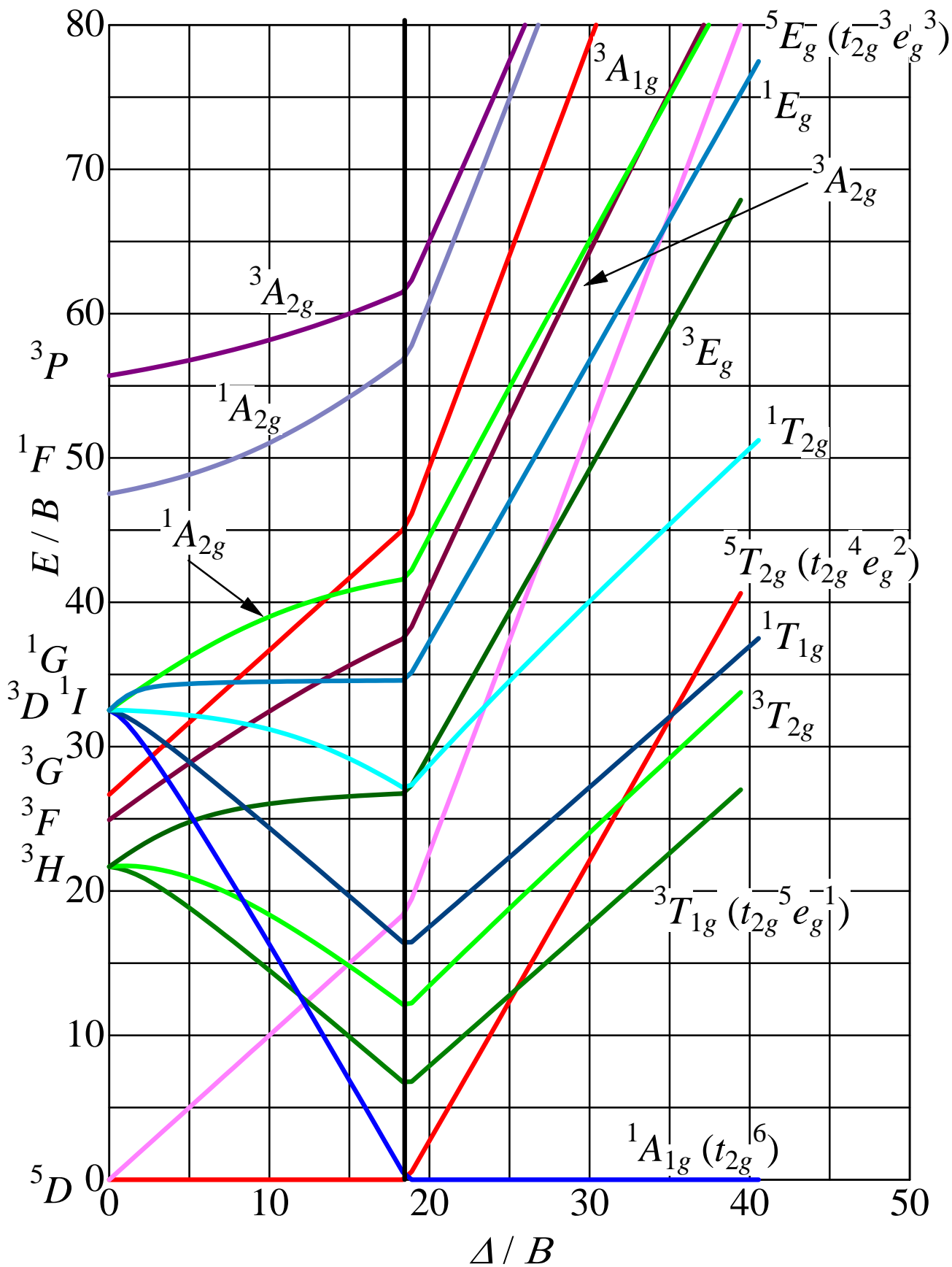
$d^3 B=766 \text{ cm}^{-1} (\text{V}^{2+}), 1030 \text{ cm}^{-1} (\text{Cr}^{3+})$



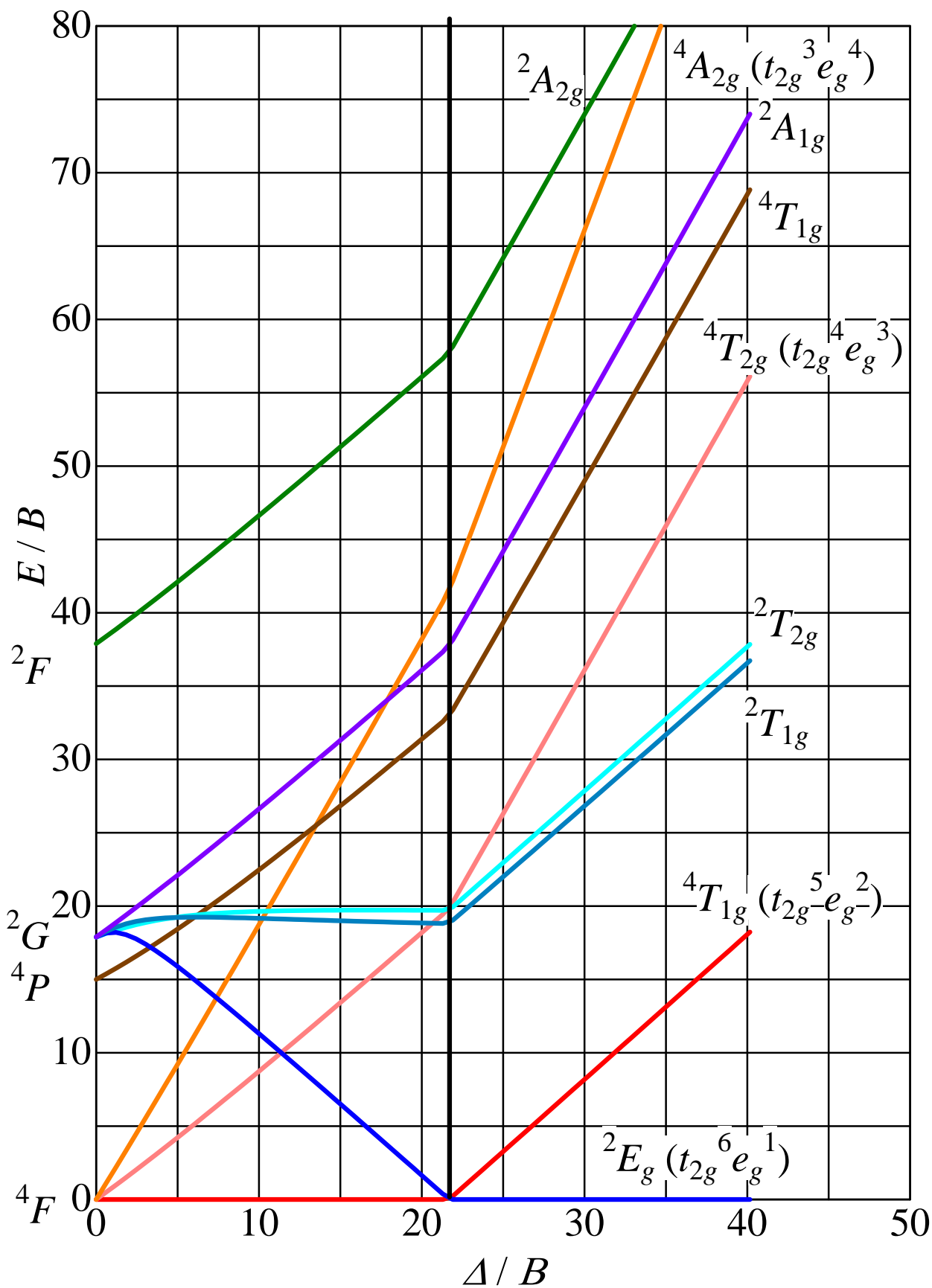
d^5 $B=960\text{ cm}^{-1}$ (Mn^{2+}), 1100 cm^{-1} (Fe^{3+})



d^6 $B=1058\text{ cm}^{-1}$ (Fe^{2+}), 1065 cm^{-1} (Co^{3+}), 1144 cm^{-1} (Fe^{4+})



$d^7 B=970 \text{ cm}^{-1} (\text{Co}^{2+})$



$d^8 B=1080 \text{ cm}^{-1} (\text{Ni}^{2+})$

