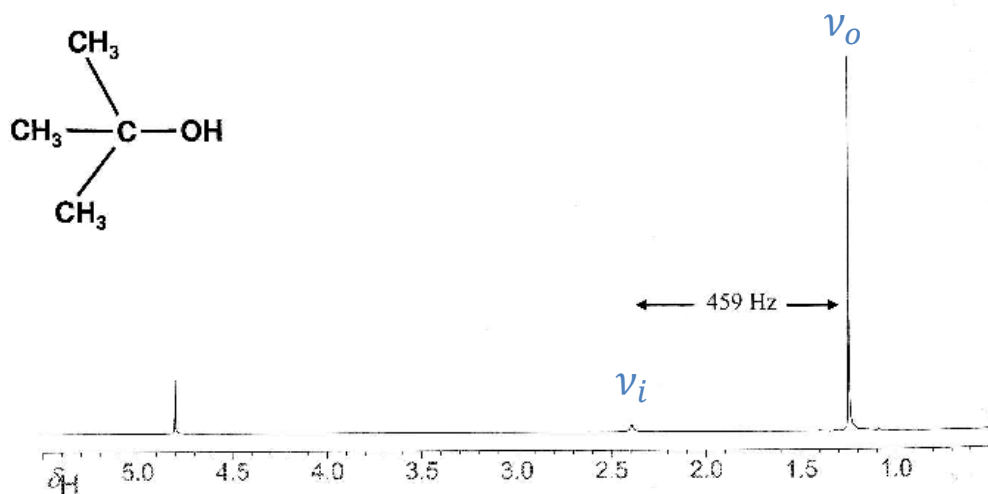


(5) NMR of heteronuclei - paramagnetism

Determination of paramagnetism – a 'paramagnetic balance'

- Using LIS for determination of molar magnetic susceptibility



Molar magnetic susceptibility can be determined in solution:

$$\chi_i = -\frac{3}{c} \frac{\nu_o - \nu_i}{\nu_o} + \chi_o$$

This allows calculation of effective magnetic moment and thus the spin state

Berger, *200 and More NMR Experiments*. 2004 (Wiley-VCH).