

Lec 7 – 14 Oct 2014

Review HW#5

setups: use pulse sequence changes (pulprog) or parameter set (new, rpar)

APT, DEPTQ, INEPT

HSQC

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Big picture is critical

trees: different ways to setup experiments in TopSpin....

Forest: What is the questions to be solved?

Which experiment can answer? What are the alternatives?

gatedec again

Which spectrometer?

What concentration, and how many scans?

Fast or slow relaxation? How to set D1?

What other parameters to set/optimize?

$$\mathbf{s/n} \propto \mathbf{c} \cdot \gamma_{\text{ext}} \cdot \gamma_{\text{obs}}^{3/2} \cdot \mathbf{B}_0^{3/2} \cdot \sqrt{t} / T$$