

Book time and log in computer as usual

Ah1

30 degree pulse angle for routine H-1

Procedure:

Open Topspin 4.0.6

A. Under "Acquire",

1. create dataset (**new** or **edc**): name; exp #; directory (D:\group name\user name\yrmo); solvent
2. Read a parameter set (**rpar Ah1**)
3. eject sample (**ej**); wait for air flow (no air, no sample); load sample; insert sample (**ij**)
4. (**lock**): select the right solvent
5. Manually tune (**wobb**) and (**stop**)
6. no spinning
7. Read a shim file (**rsh shim.current**); shim (**topshim**)
8. prosol (**getprosol**)
9. gain (**rga**)
10. check parameters: (**ns**), (**ds**), and (**d1**)
11. run (**zg**)

B. Under "Process",

12. Data process and phase correction (**efp;apk**)
13. adjust phase if necessary
14. adjust baseline if necessary
15. calibrate spectrum

C. Under "Analyse",

16. pick peaks
17. integrate
18. others if necessary
19. eject sample (**ej**) and then (**ij**) to turn off air
20. Put the cap back

d1 is relaxation time in seconds

ds is dummy scans for warming up the spin system

ns is number of scans

Remark:

- lock and shim well
- tune probe
- no spinning
- no pulse cal in automation
- optimize offset (**o1p**) and spectral width (**SW**) for advanced applications

Follow the basic procedure from your basic H1 training.