

Procedure:

Book time and log in computer as usual

Take cap off from magnet first

Open Topspin 3.6.1

Ah1

30 degree pulse angle for routine H-1

A. Under "Start",

1. create dataset (**new** or **edc**): name; exp #; pro #; solvent; directory (D:\group name\user name\yrmo)

2. (**rpar Ah1**)

B. Under "Acquire",

3. eject sample (**ej**); wait for air flow (no air, no sample); load sample; insert sample (**ij**)

4. (**lock**): select the right solvent

5. tune (**atma**)

6. no spinning

7. (**rsh shim.current**); shim (**topshim**)

8. prosol (**getprosol**)

9. gain (**rga**)

10. check: (**ns**), (**ds**), (**d1**)

11. go (**zg**)

C. Under "Process",

12. (**efp;apk**)

13. adjust phase if necessary

14. calibrate spectrum

15. pick peaks

16. integrate

17. advanced if necessary

D. Under "Analyse"

18. eject sample (**ej**); take sample; (**ij**) to turn off air

19. close topspin

20. log off

21. **put cap back on magnet**

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