

## Selective 1D COSY

## Part I - acquisition

- (A1) login, open xwin-nmr, create a new experiment number in your directory  
dir/edc
- (A2) rpar selcosy-probei.d.  
copy all  
type: t <enter> and give a title
- (A3) to optimize parameters, first type:  
pulprog zg <enter>  
ns 1 <enter>  
ds 0 <enter>
- (A4) lock  
shim  
rga  
zg  
ft  
apk  
\*optimize: sw, o1, etc.
- (A5) Set the frequency of irradiation (shaped pulse offset frequency):  
utilities -->  
click the o2 button --> click the selected peak (middle button)  
return  
type:  
o2 <enter> <enter>  
o1 <enter> <enter>  
spoffs1 <enter>  
now, type the value of o2 minus the value of o1 <enter>
- (A6) type:  
pulprog selco <enter>  
ns 8 <enter>  
ds 4 <enter>  
zg <enter>

## Part II - processing

- (P1) Use some line-broadening: lb 0.3 <return>  
fourier transform: ef  
apk  
abc

(P2) You can compare with the regular (zg) experiment in dual (set the second expno with edc2)

## Part III - printing multiple plots

- print in xedplot - type: xp  
Data -> Edit ->  
add all the experiments you wish to print to the list    Apply -> OK