

Quick pw90 (90° Pulse Width) Determination

Determine the pw360 and pw90 for the sample (more details of this operation can be found in handout UVU423):

mp(1,2)

jexp2

nt=1

array <rtn> NOTE: The next four items are the answers to the questions posed by the array macro)

Parameter to be arrayed: **pw** <rtn>

Enter number of steps in array: **10** <rtn>

Starting value: **29** (This should be set to [(4***pw90 from the default setup**) - 1], and changes for different probes and different instruments.)

Array increment: **0.5** <rtn>

pw[1]=1 replaces first array element, 27, with the value 1.

da displays current array values for pw

d1=10

ai vp=70 sets absolute intensity mode; places spectrum about half-way up on the display.

ga As the spectra accumulate, use **dssh** to view them. You can terminate the experiment with **aa** when you have determined the pw360. NOTE: if the second spectrum is already positive, reset the array with a smaller starting value.

jexp1

pw90=(the numeric value for the 360 found above)/4; e.g., pw90=29/4

pw=pw90