

ICON-NMR USER GUIDE

Starting IconNMR:

If IconNMR is not open, start TopSpin. Enter the command "iconnmr". Click the Automation button to begin.

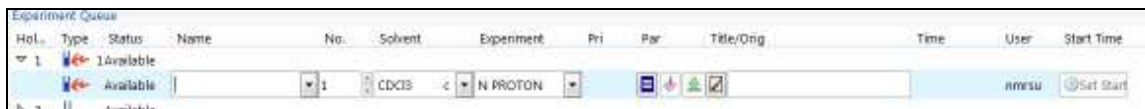


Experiment Setup:

1.) Click the **Change User** button to make sure the correct user is selected.



2.) In the Experiment Queue, click the first empty experiment and enter the information for your experiment. The holder number does not matter.



- Name – enter your sample name here
- Experiment types:
 - N PROTON32 – 1H experiment with 32 scans
 - N 13CCPD256 – 13C experiment with 256 scans
 - N 13CDEPT135 – DEPT135 with 256 scans

Note that all experiments on the 300 have fixed numbers of scans and fixed experiment times. (About 17 min for 13C and DEPT135, 2.5 min for 1H)

- (Optional) If you wish to run more than one experiment on the sample, (i.e. a proton and a carbon) right click on the experiment and choose "Add". Enter the details for your additional experiment.

3.) Place your sample in first empty position to the left of the start in the NMR Case carousel. The numbers printed on the carousel do not matter.



4.) Click the **Submit** button to queue your experiment(s). If yours is the first experiment, make sure the **Start** button has been clicked.



Night Experiments:

Overnight experiments are set up identically to day experiments. Simply choose "13CDEPT13510K" or "13CCPD10K" as the experiment type. However, remember that you must use the FACES system to reserve the 300 overnight.

Processing:

Data from the experiments will be automatically transferred to the left processing computer. You can access it by opening TOPSPIN and finding your group's name under the "C:\300" directory.