

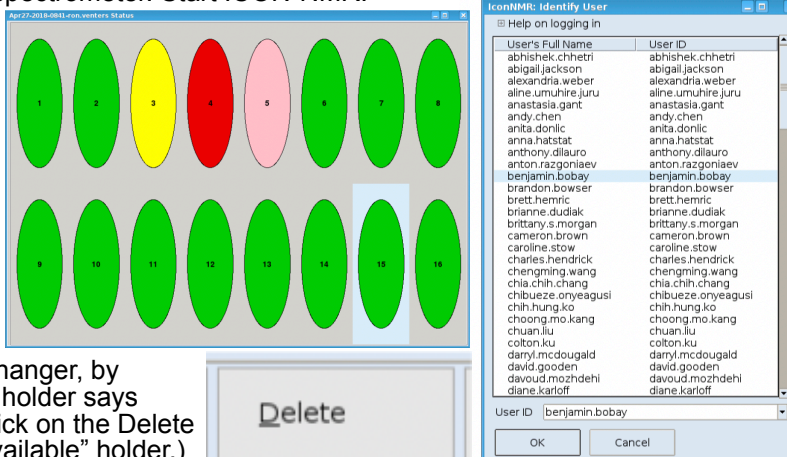
A. Step by step instructions for running a sample in ICON-NMR

1. Login to ICON-NMR on the spectrometer. Start ICON-NMR.

2. Insert your sample into the spinner, and use the gauge to determine appropriate sample depth.

3. View the sample changer interface screen. Place your NMR tube with spinner in the sample changer and note the number of the holder.

4. Select the holder in ICON-NMR with the same number as you used in the sample changer, by double clicking on it. (If your holder says "Finished", highlight it and click on the Delete button, then highlight the "Available" holder.)



5. Fill in the fields Name, Solvent, and Experiment.

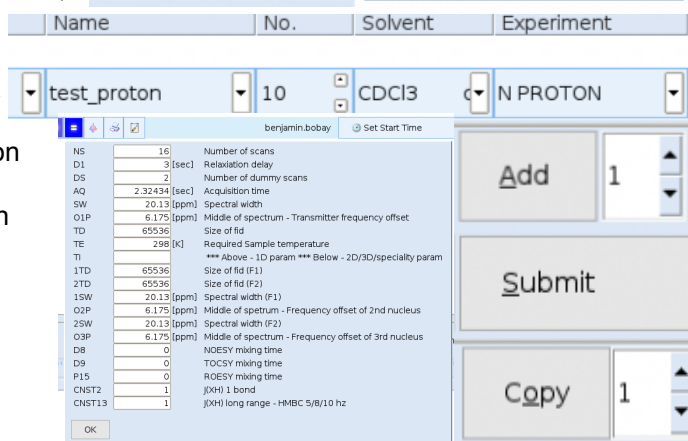
6. (Optional) Click on the blue/yellow box button to change a few parameters.

7. (Optional) Click on the pencil/paper icon to set any notes you may want

8. (Optional) Click the Add or Copy button to set up further experiments for this sample if needed.

9. To submit an experiment to the queue for acquisition, click on the Submit button while that experiment/holder is highlighted.

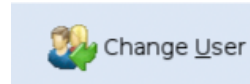
10. Note that if you want to replicate an experimental setup for additional samples (such as running proton 1D spectra in the same way for several samples), the Copy button copies the experiments in one holder to the other holder. Remember to change the Name and Title appropriately before submitting the new experiment(s).



11. To view your data - double click on the data set in the bottom of the ICON-NMR window.

This will open your data in the TOPSPIN software where you will have limited processing options.

12. When you are finished submitting samples and leaving the spectrometer to run independently, log out by clicking on the Change User button and then the Lock ICON- NMR button.



13. Remember to come back and retrieve your samples from the sample changer after data acquisition is complete.

14. If setup correctly, your data will automatically be backed up to Chemistry IT cloud computer. If you are not in the Chemistry department, you will need to get your from the SMB share.

Windows 10:

- Open an Explorer window (Start menu, select "File Explorer")
- On the left, click on This PC.
- At the top, click Computer -> Map Network Drive.
- Choose a drive letter
- For the Folder: \\nmr.chem.duke.edu\NMR
- Click Finish

MacOS:

- In the Finder, Go -> Connect to Server...
- The Server Address is smb://nmr.chem.duke.edu/NMR
- Connect as a Registered User. The Username should be your Duke NetID prefixed with "WIN" (e.g., WIN\my-netid). Use your NetID password.
- Click Connect.