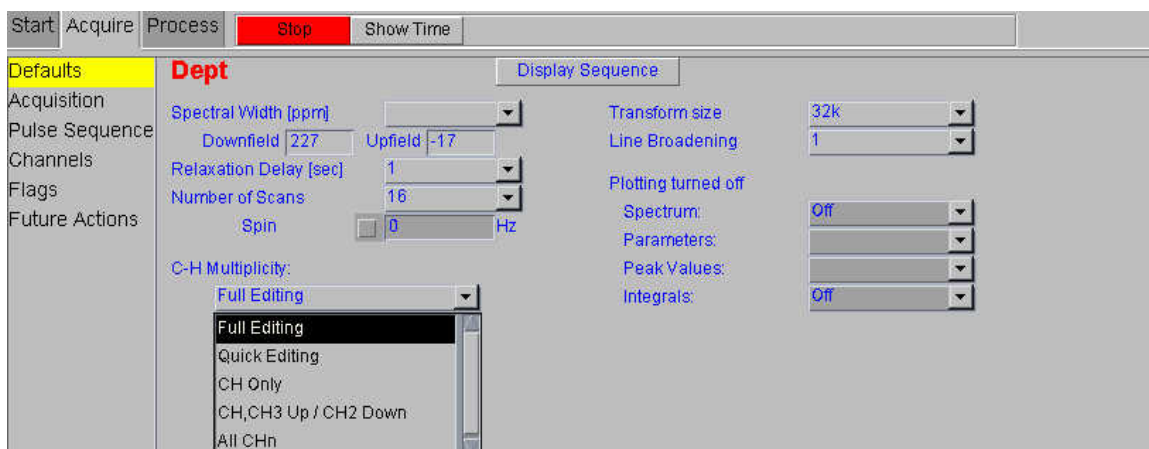


DEPT VNMRj 2.1A, walkup mode

The DEPT experiment is inherently insensitive because it is carbon detected. This experiment also requires both the proton and carbon channels. Both channels should be tuned prior to acquisition for optimum performance.

1. Load a proton experiment and use >su at the command line. Tune both channels 1 and 2, proton and carbon respectively. Run a 1-D proton and/or 1-D carbon spectrum to make sure the sample is ok.
2. Set up the DEPT in the study queue. Double click to bring in the parameters. In the Acquire->Defaults menu, select the number of scans, spectral width, relaxation delay (remember longer values usually work better for 1-D carbons), and the type of editing. The full editing is typical. The number of scans will need to be comparable or more than required for the 1-D carbon spectrum.



3. Update the time for the experiment and submit the study queue.
4. The data shown below is a fully edited DEPT (top-CH₃, 2nd - CH₂, 3rd - CH, bottom full spectrum):

