Delta Tips

NMDT_0020

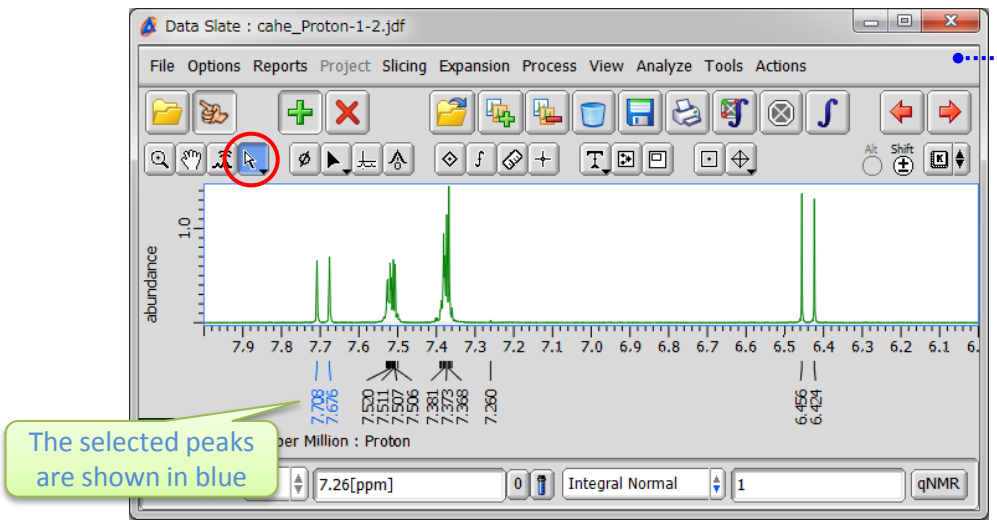
NMR data processing software

Delta NMR Software v5.0

How to Measure Coupling Constant

^{1}H-^{1}H coupling constant (also called *J*-coupling) can be measured as the horizontal distance between two peaks in proton spectra. First of all, perform peak picking in **Processor** or **Data Slate**. We show a Data Slate window in the figures below.

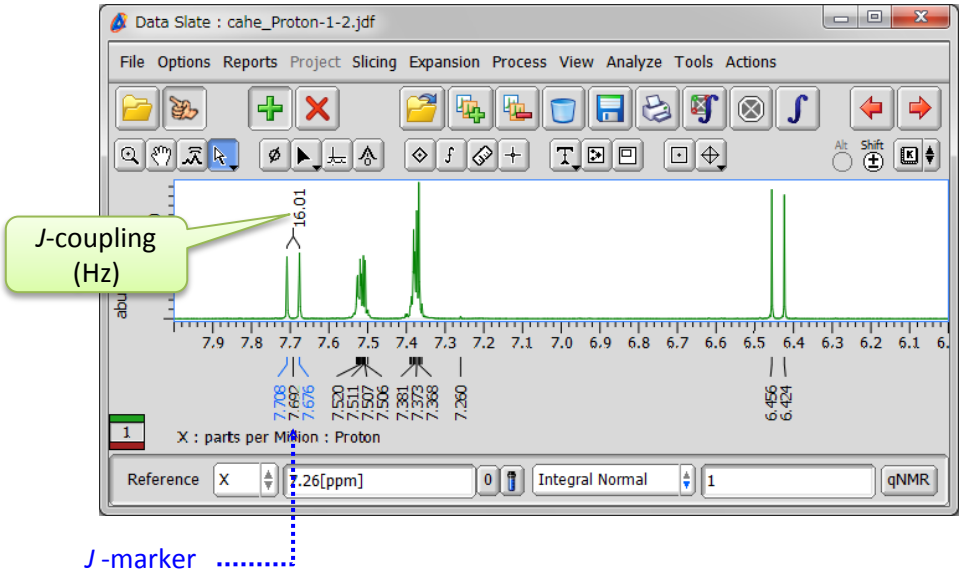
① Click the button and select two peaks to measure *J*-coupling between them.



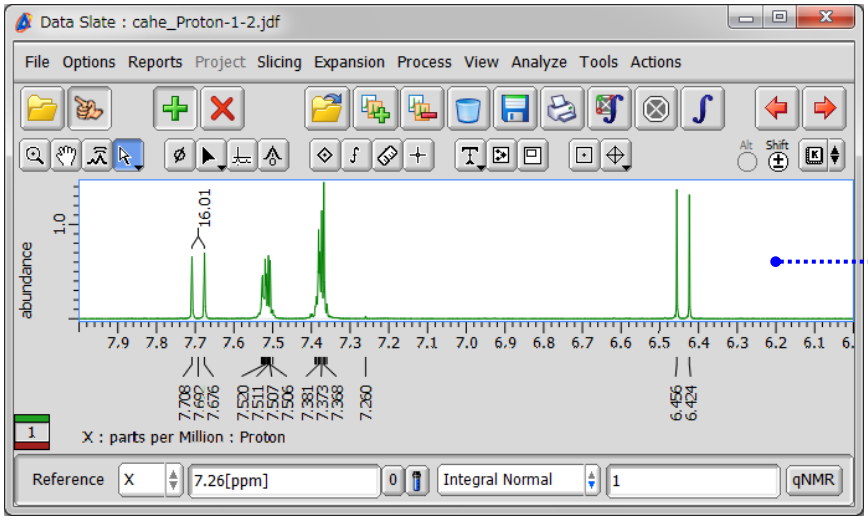
★ It is possible to select peaks one by one while holding the Shift key.

② Hit the J key to display the *J*-coupling value between the peaks in Hz unit.

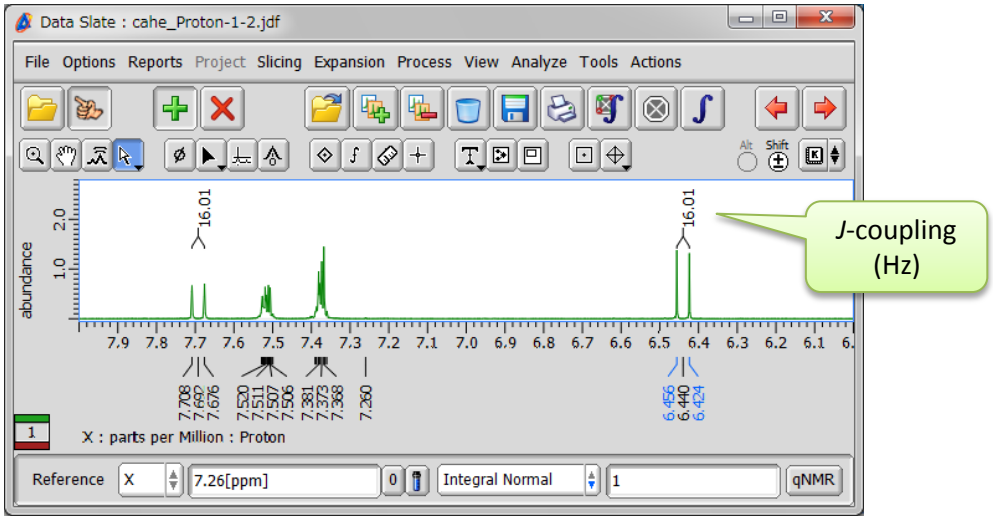
Note that *J*-coupling value is displayed above the peaks. The lines indicate the peaks and the value.



③ If you wish to measure *J*-coupling between another two peaks, hit the U key to unselect the previous pair. Alternatively, you can clink inside the spectral area to unselect the peaks.



④ Select another two peaks and display the *J*-coupling value by hitting the J key.



★ To remove the *J*-coupling value, select the *J*-marker and hit the Delete key as shown below.