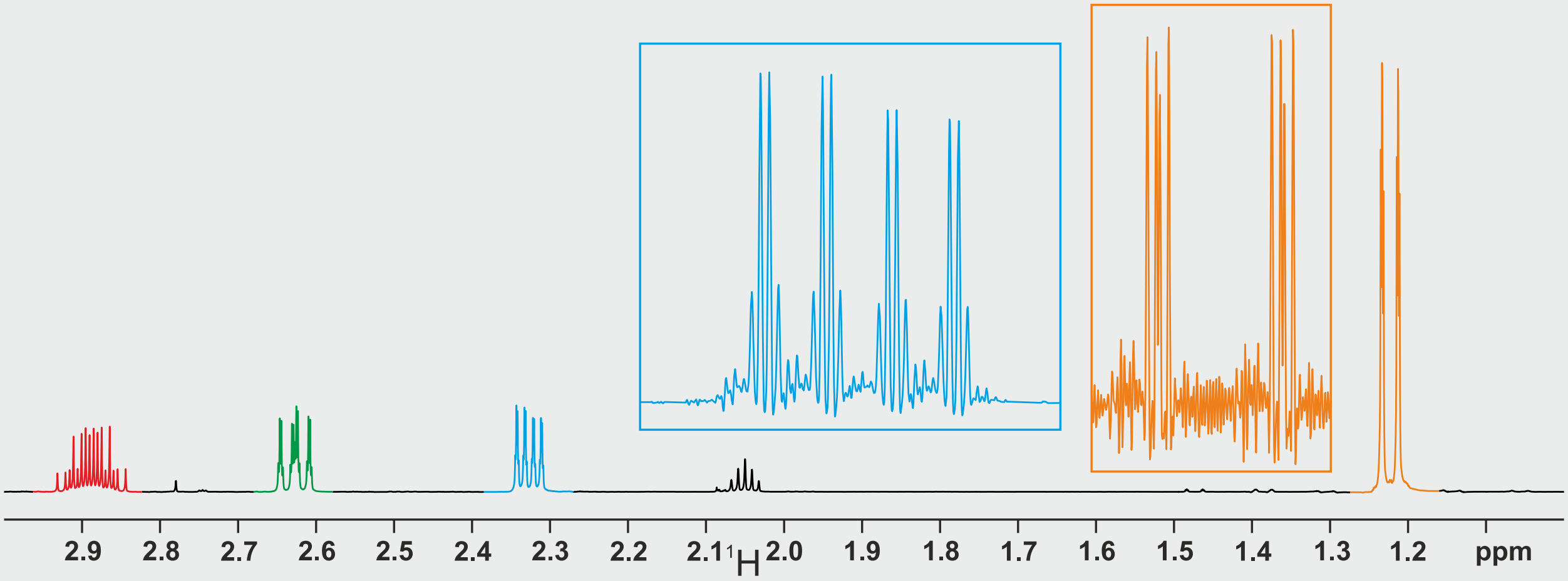
Exercise plus Solution – Quick overview

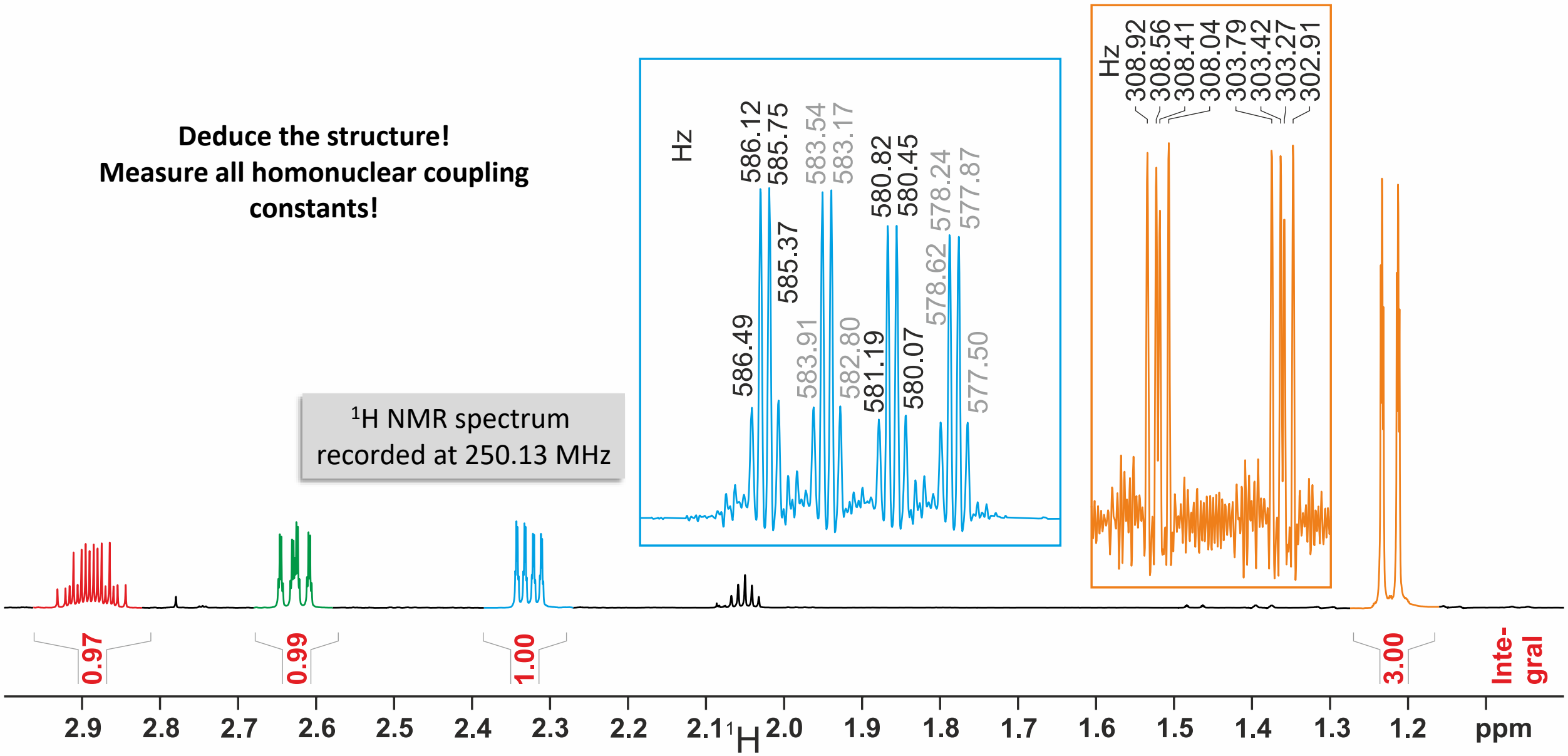
It is recommended to use this version only for a quick overview of the NMR challenge. All animations of the PowerPoint version are missing, under certain circumstances quality deficiencies may also occur.
The higher quality PowerPoint files are freely available for download at any time.



C_3H_6O measured in Acetone-d_6

Deduce the structure!
Measure all homonuclear coupling constants!

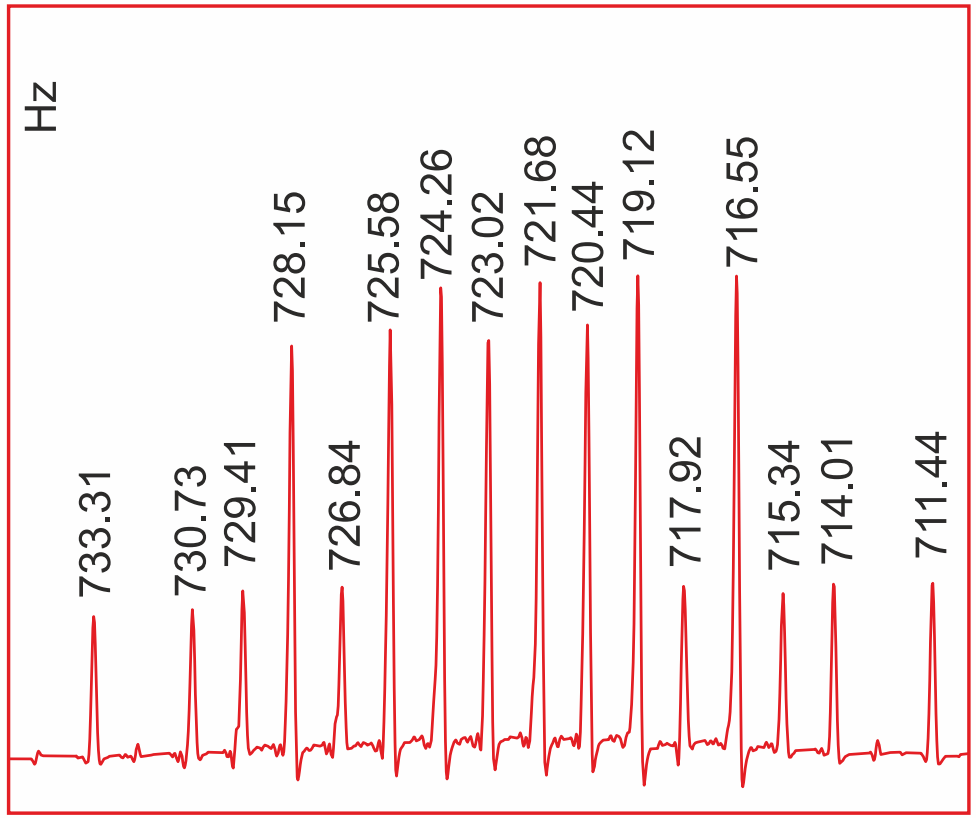
^{1}H NMR spectrum recorded at 250.13 MHz

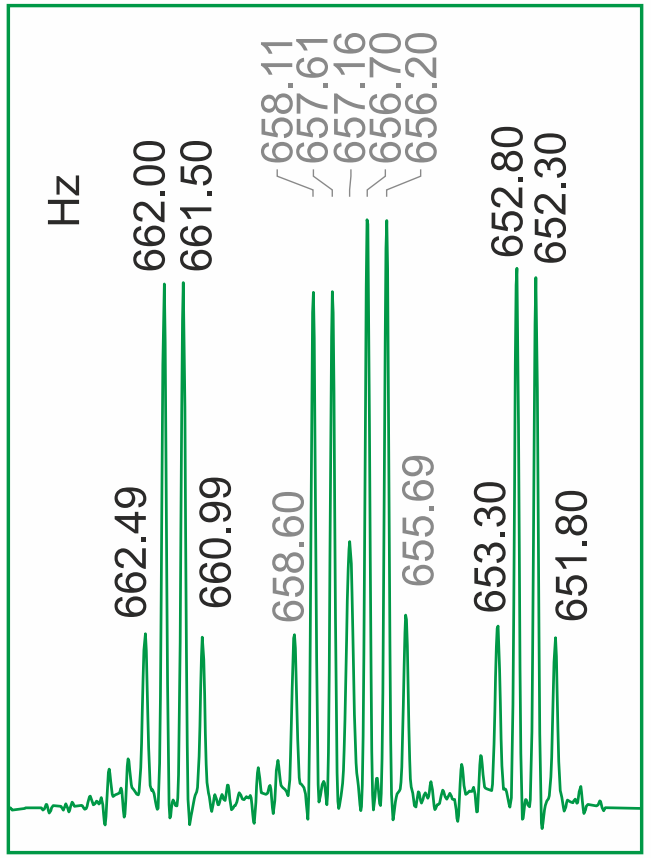


Enlarged multiplets from the overview spectrum.

Some peak labels have been slightly differentiated in shade for reasons of clarity.

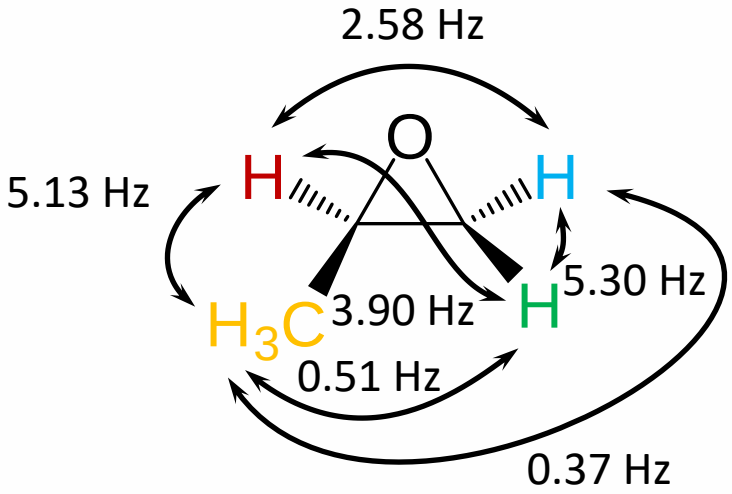
Different parameters of a Lorentz to Gaussian transformation were used for the individual multiplets in order to obtain an optimal resolution in each individual case.



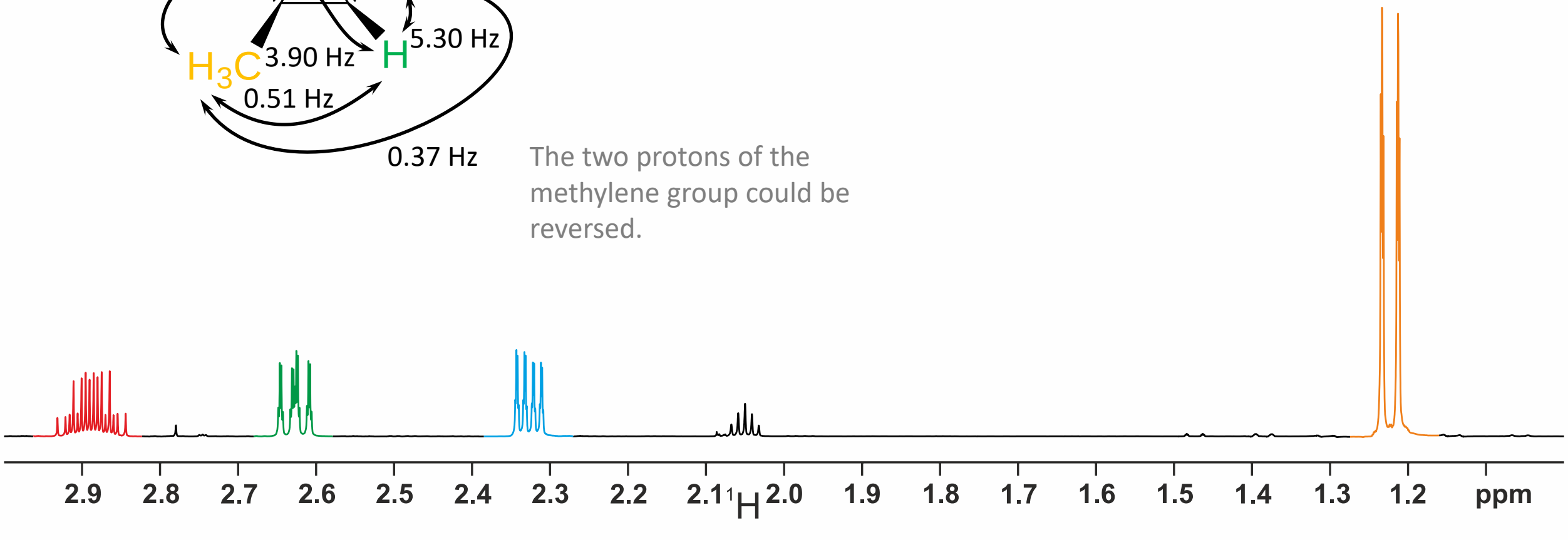


Solution at a glance

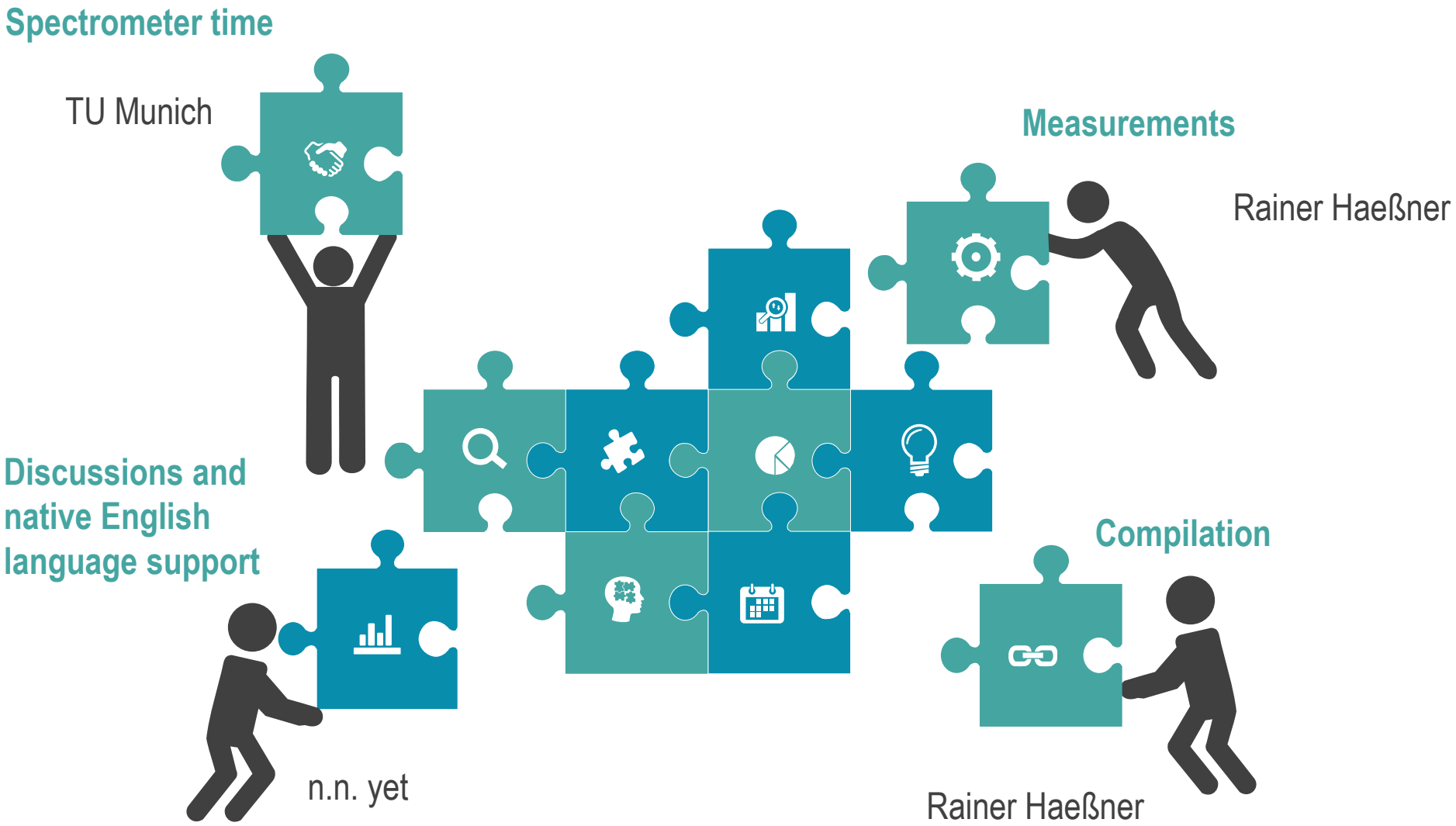
As soon as you see the green footprints on the problem icon, the step-by-step-solution is available



The two protons of the methylene group could be reversed.



Contributions



More exercises ...