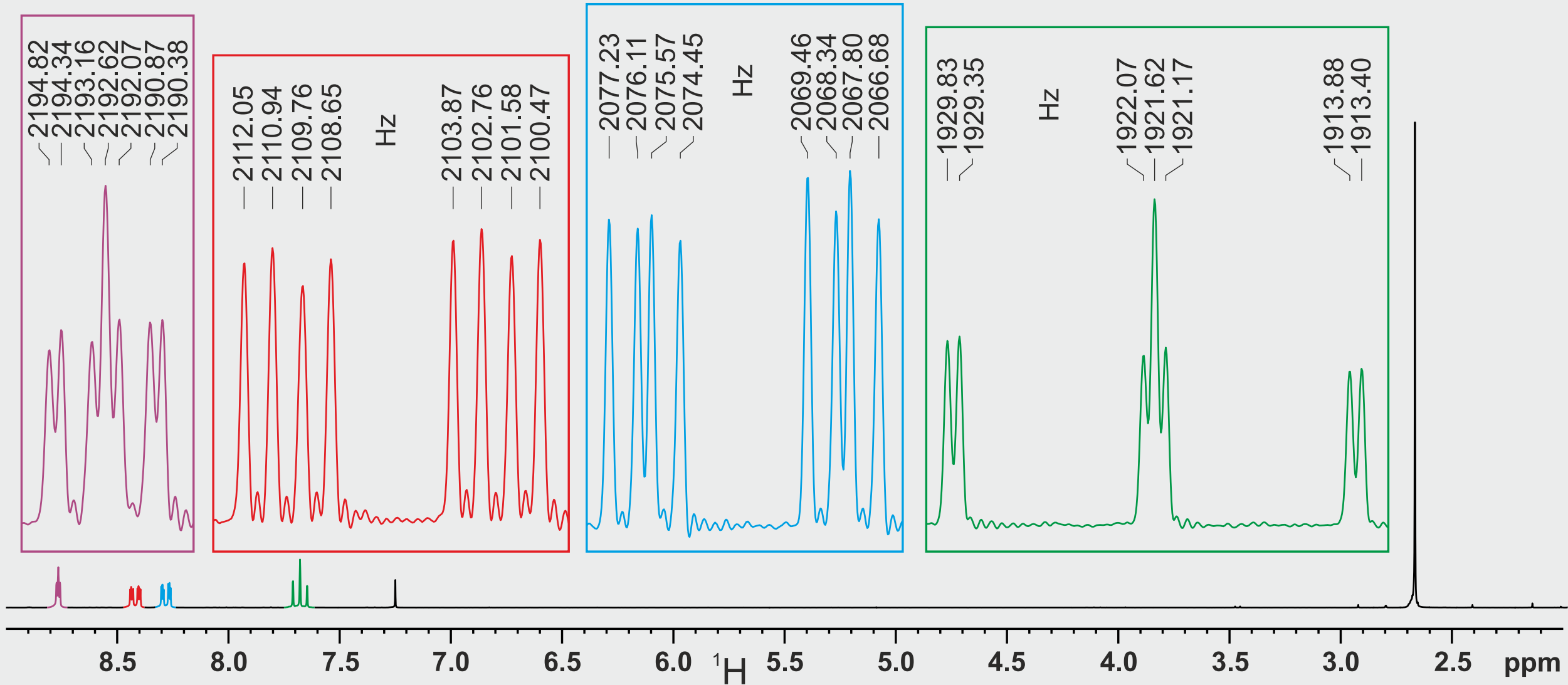


# Exercise plus Solution – Quick overview

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.

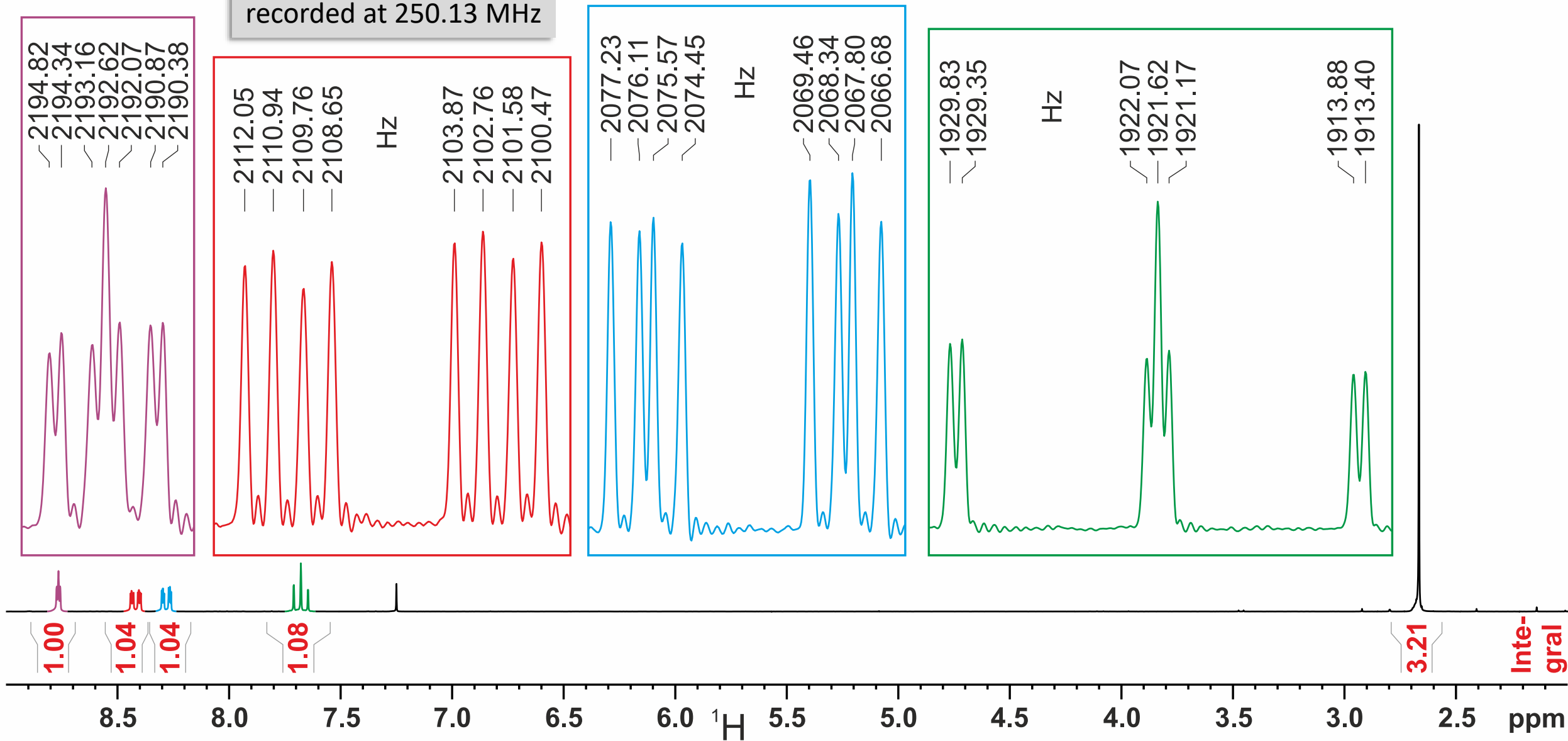


# $C_8H_7NO_3$ measured in $CDCl_3$

Determine the structure and the absolute value of all of the coupling constants!

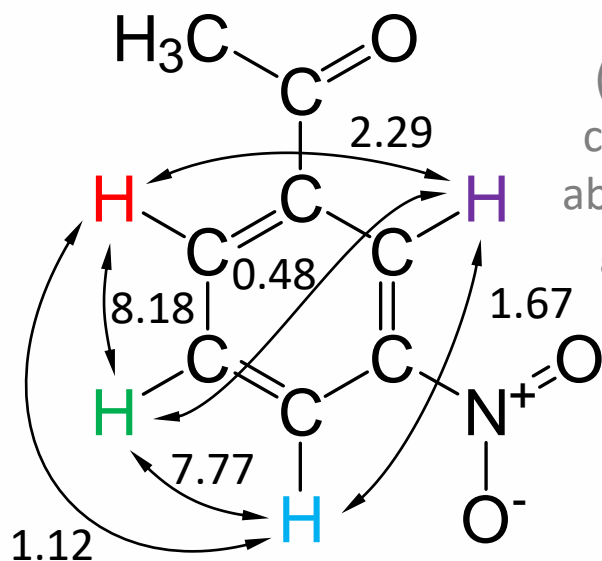
Please note: the nitrogen is not part of a ring system.

$^1H$  NMR spectrum  
recorded at 250.13 MHz

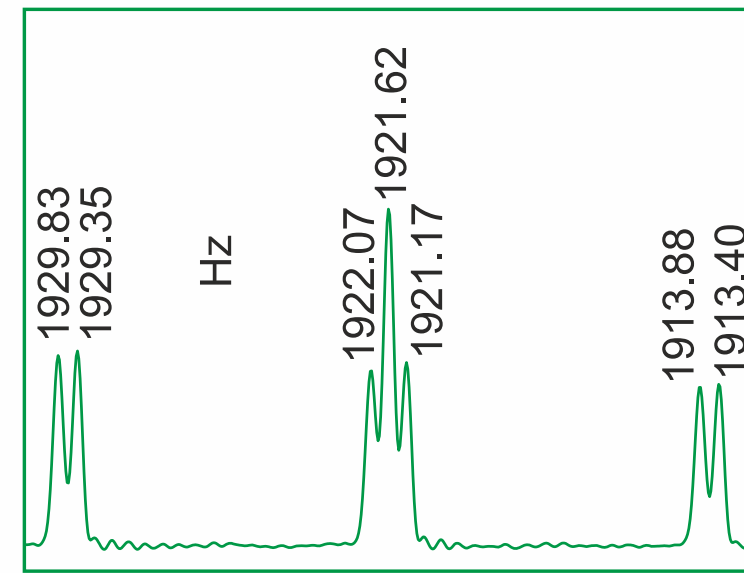
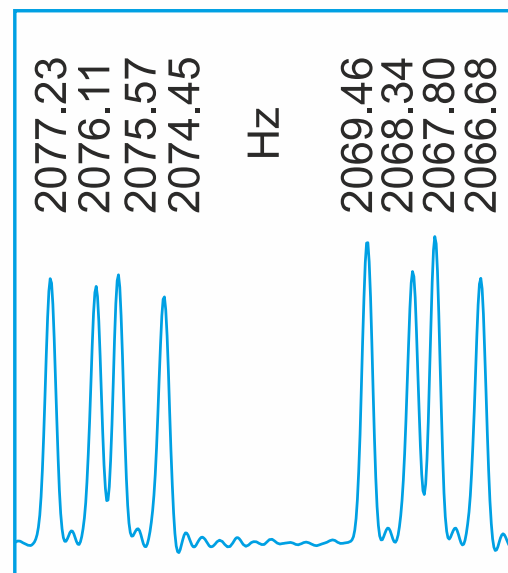
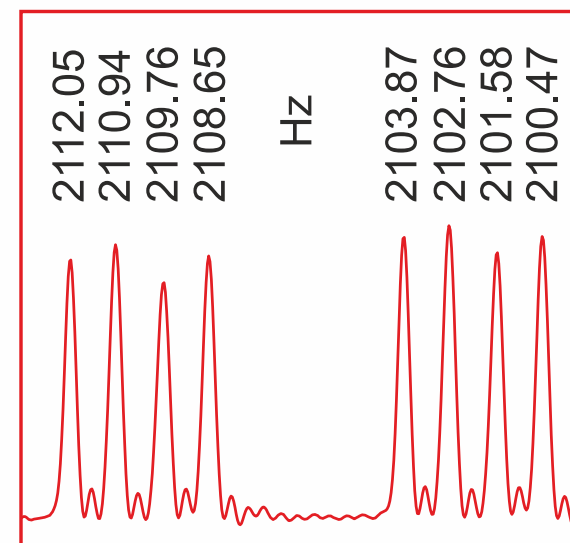
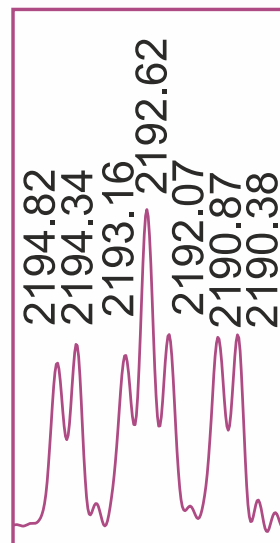
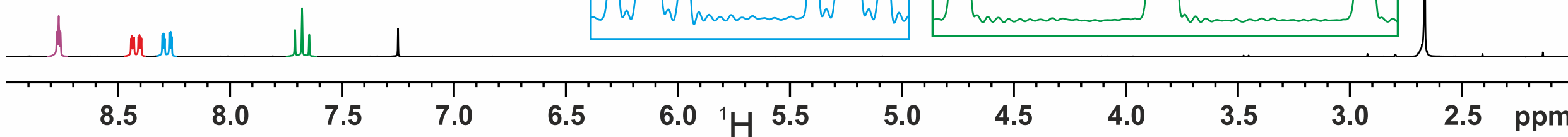


# Solution at a glance

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



(all coupling constants are absolute values given in Hz)



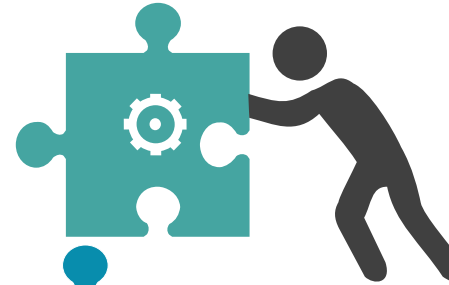
# Contributions

Spectrometer time

TU Munich

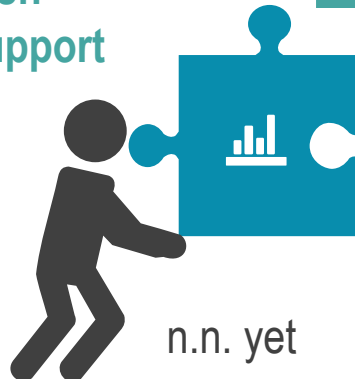


Measurements



Rainer Haeßner

Discussions and  
native English  
language support



n.n. yet

Compilation



Rainer Haeßner

[More exercises ...](#)