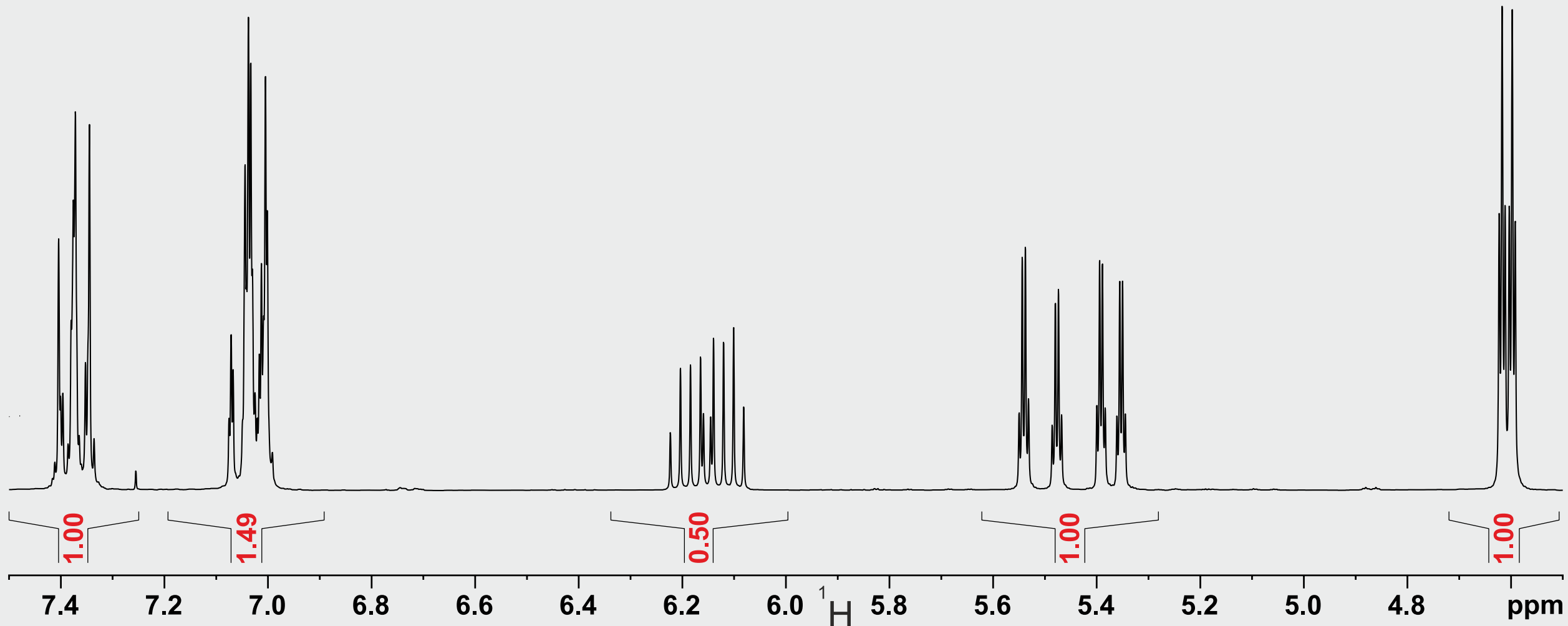


# Exercise plus Solution – Quick overview

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.



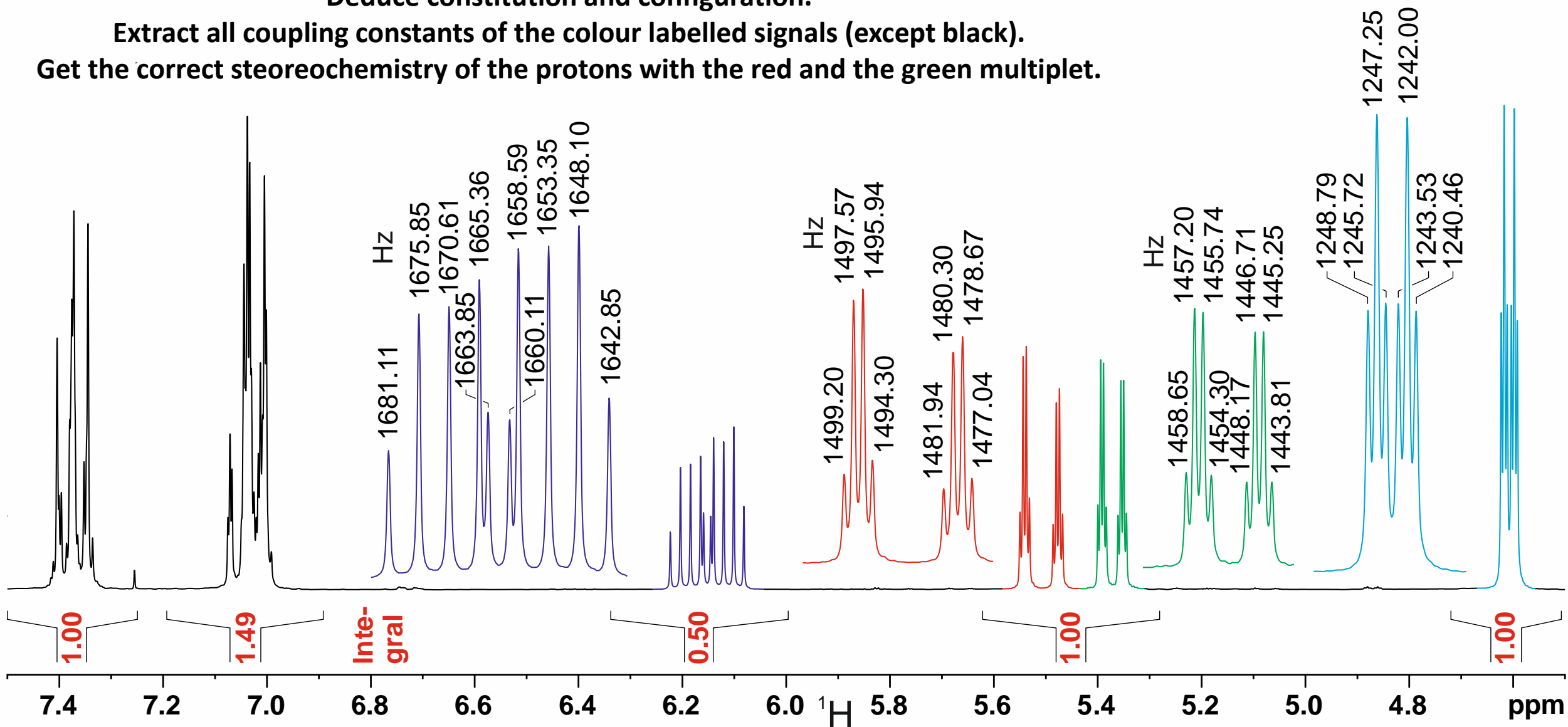
# $C_9H_{10}O$ measured in $CDCl_3$

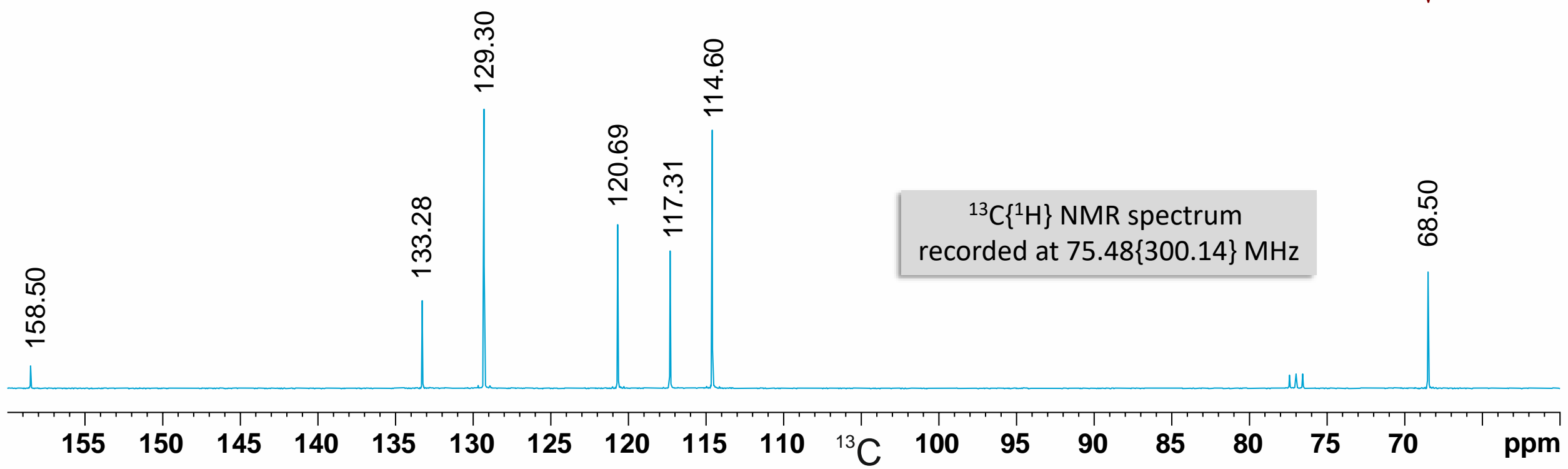
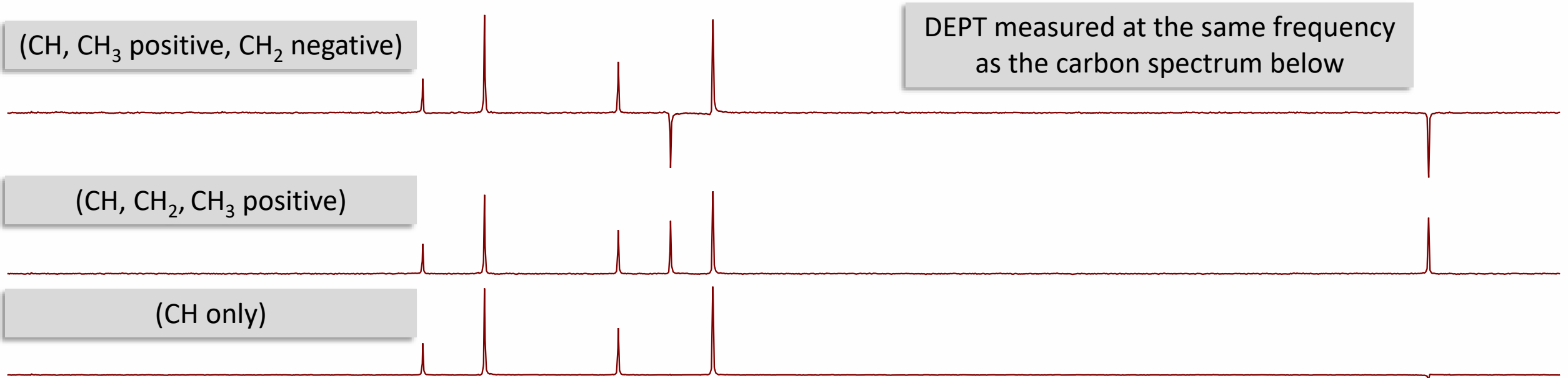
$^1H$  NMR spectrum  
recorded at 270.14 MHz

Deduce constitution and configuration.

Extract all coupling constants of the colour labelled signals (except black).

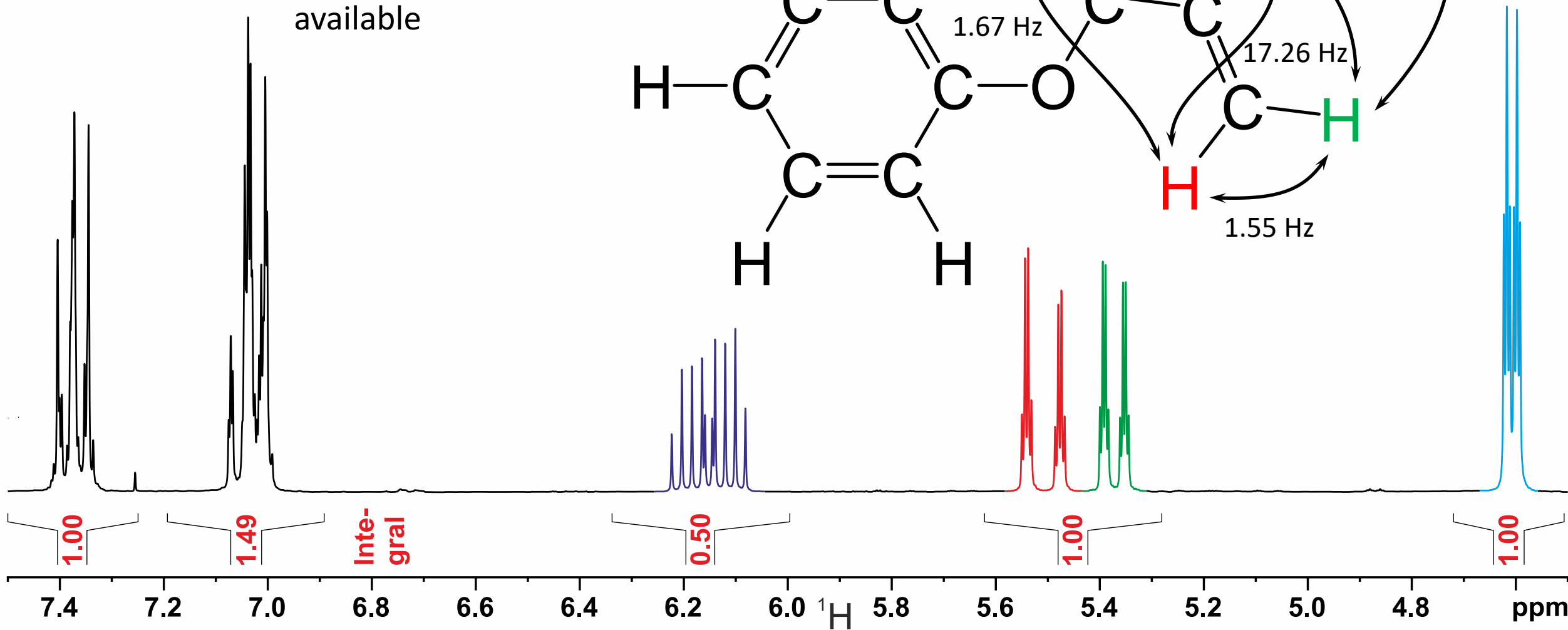
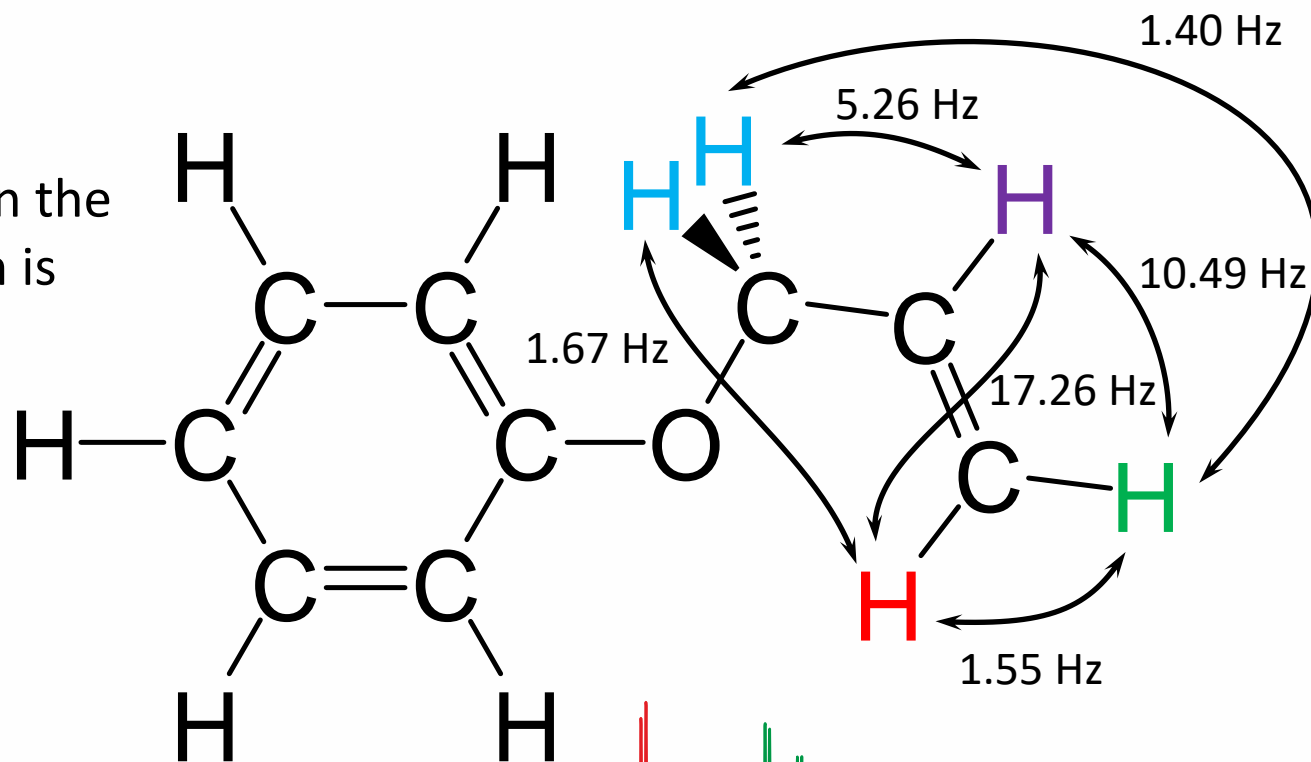
Get the correct stereochemistry of the protons with the red and the green multiplet.





# Solution at a glance

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



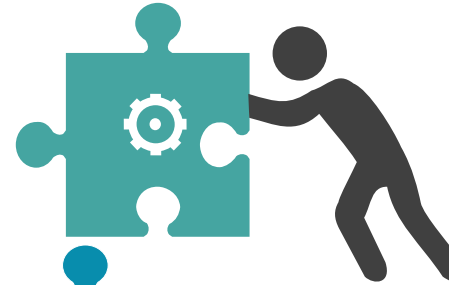
# Contributions

Spectrometer time

Goethe University Frankfurt

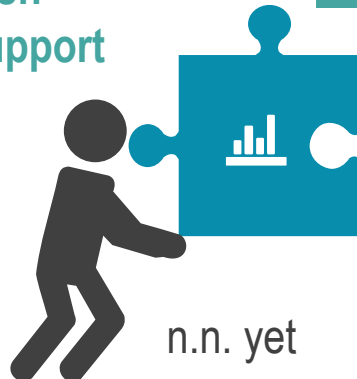


Measurements



Gottfried Zimmermann

Discussions and  
native English  
language support



n.n. yet

Compilation



Rainer Haeßner

[More exercises ...](#)