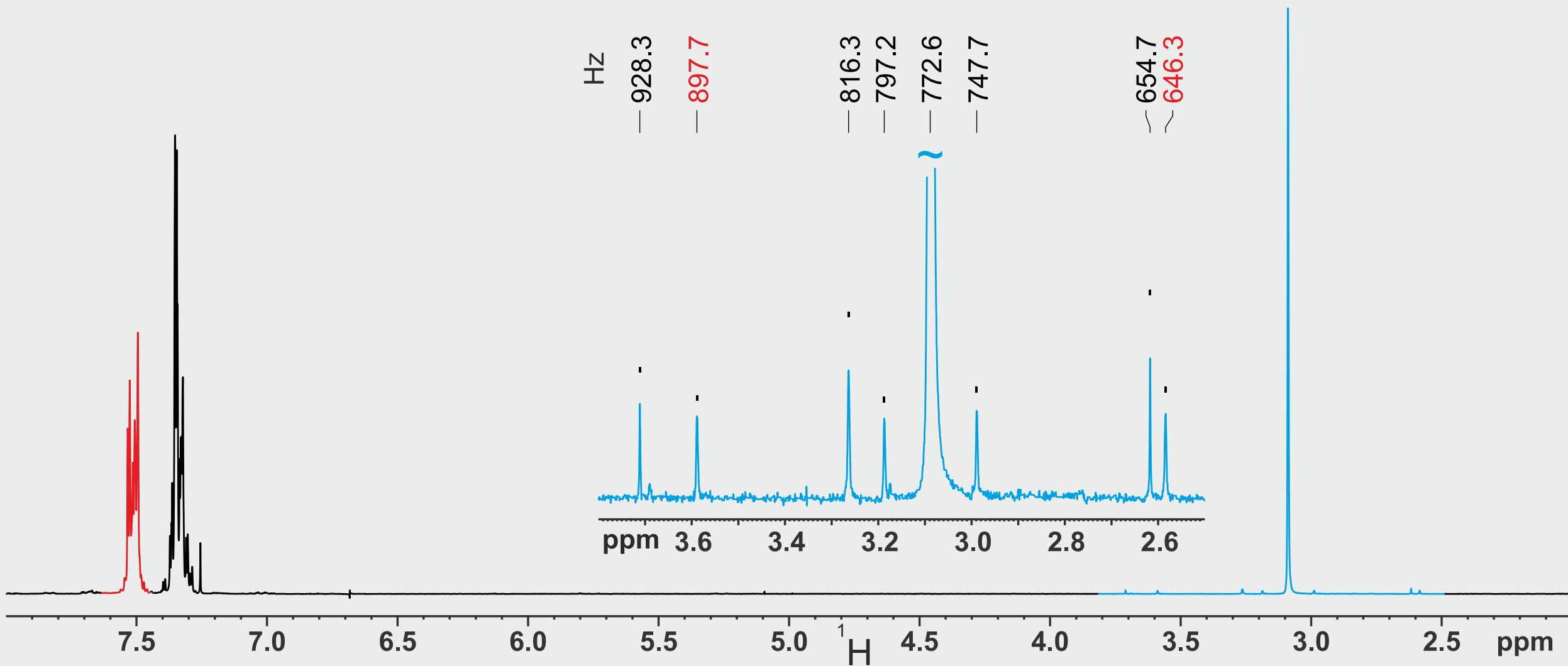


Exercise plus Solution – Quick PDF overview

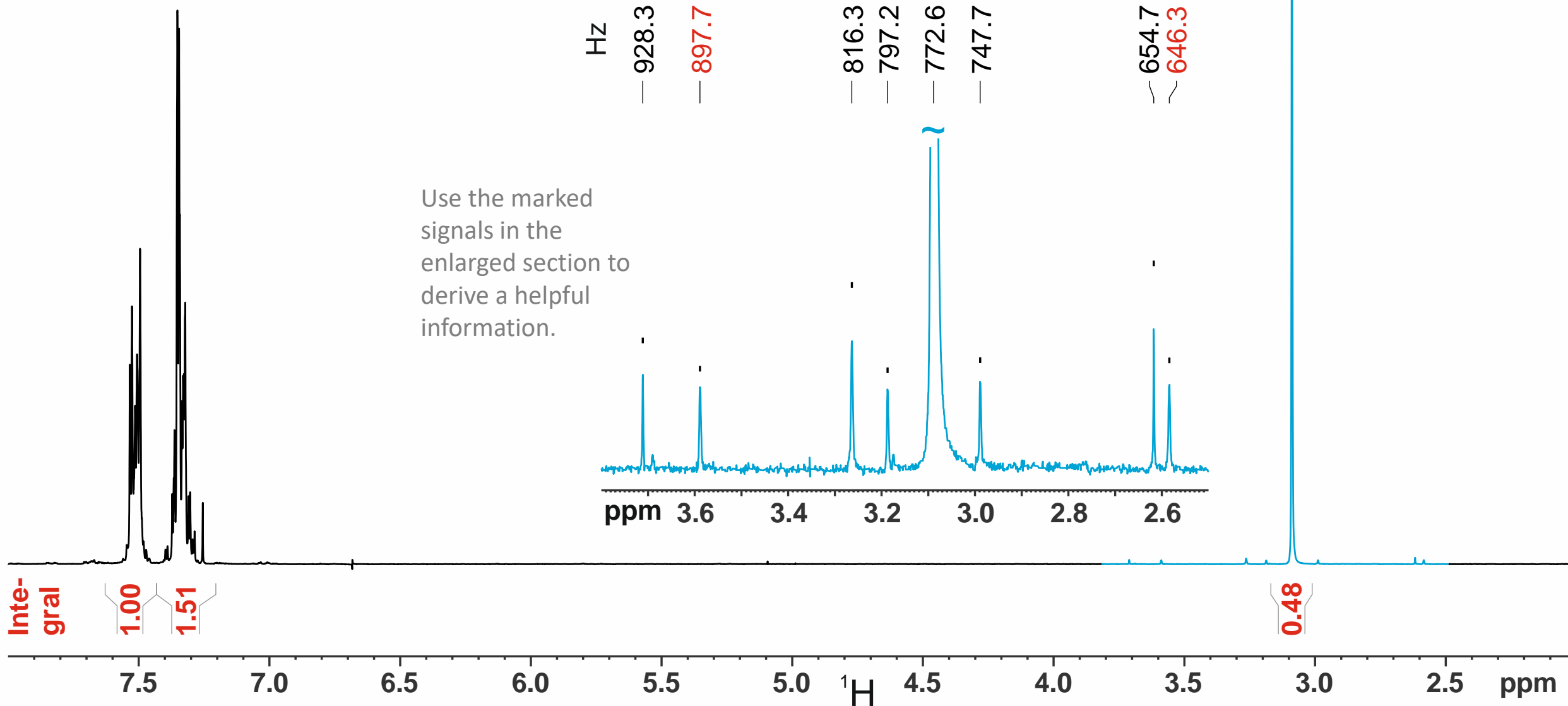
It is recommended to use this PDF version only for a quick overview of the NMR challenge. All animations of the PowerPoint version are missing, under certain circumstances quality deficiencies may also occur. The higher quality PowerPoint files are freely available for download at any time.



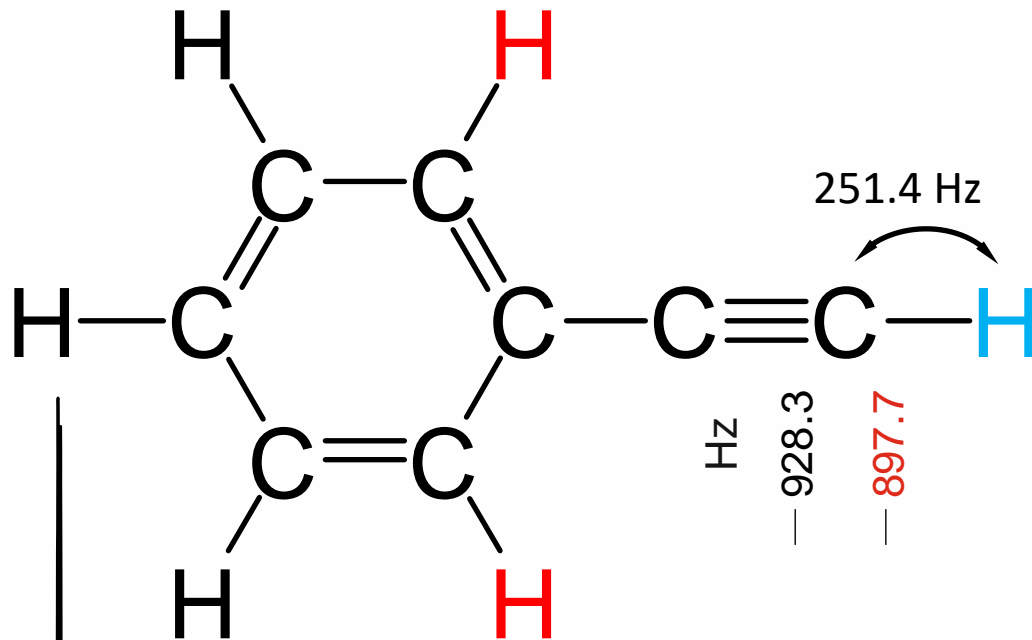
C_8H_6 measured in CDCl_3

Deduce the structure!

^1H NMR spectrum
recorded at 250.13 MHz



Solution



Hz

— 928.3

— 897.7

— 816.3

— 797.2

— 772.6

— 747.7

— 654.7

— 646.3

ppm 3.6 3.4 3.2 3.0 2.8 2.6

7.5

7.0

6.5

6.0

5.5

5.0

¹H

4.5

4.0

3.5

3.0

2.5

ppm

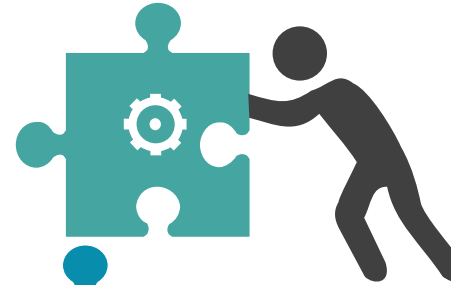
Contributions

Spectrometer time

TU Munich

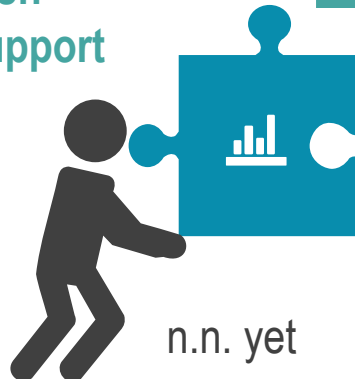


Measurements



Rainer Haeßner

Discussions and
native English
language support



n.n. yet

Compilation



Rainer Haeßner

[More exercises ...](#)