

New experiments!

Two new experiments have been added to all IconNMR users. These are combinations of 2 or 3 2D experiments and are set up in such a way that they can be run in the same time as ONE normal 2D experiment.

- **BACS_HSQC_HMBC**
 - HSQC and HMBC in 16 minutes (33 minutes for stand-alone experiments)
- **BACS_HSQC_COSY_NOESY**
 - HSQC, COSY and NOESY in 22 minutes (40 minutes for stand-alone experiments)

Please use them, it will save a lot of spectrometer time!

Even if you only want a HSQC and a COSY, you can use BACS_HSQC_COSY_NOESY, it won't take longer and you'll get the NOESY as a bonus. However, if you only want a COSY, it's faster to run that separately.

Practical note: After the experiment is done, the raw data will be split into 2 or 3 parts and then be processed in a different exp nr. For example, if you have placed a BACS_HSQC_HMBC in experiment number 2, the actual HSQC spectrum will be in experiment number 2001 and the HMBC in experiment number 2002.

These experiments are based on the **NMR by Ordered Acquisition using H-detection (NOAH)**.^[1]

Let me know if you have any questions or notice any problems with these experiments.

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1. Kupce, E. and T.D.W. Claridge, *NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation*. Angewandte Chemie-International Edition, 2017. **56**(39): p. 11779-11783.