

# Introductory notes

## Classes

Fridays 11 – 13 theory

13 – 16 practice (group 1)

Group 2 ??

## Credits requirements

- Protocols from the practical sessions (submit et least 3 days before exam)
- Exam (both theory and practice), within or outside the exam period

# Supporting material

## On my web page

<http://www.ncbr.muni.cz/~fiala/>

or in IS under Learning Materials

Presentations

Instructions for practical sessions

Example protocol

Questions for the exam

## Additional presentations

eKurz CEIT\_NMR\_1 (practical sessions)

[PřF:CEIT NMR 1 Basics of NMR spectrometer measurements \(muni.cz\)](http://www.prf.muni.cz/~ceit/nmr1/basics)

[https://is.muni.cz/auth/el/sci/ekurzy/CEIT\\_NMR\\_1/um/](https://is.muni.cz/auth/el/sci/ekurzy/CEIT_NMR_1/um/)

# Spectrometers

Linux operating system

Choice of interface – MATE recommended

## Software

TopSpin 4 (Bruker)

Free academic license after registration

<https://www.bruker.com/en/products-and-solutions/mr/nmr-software/topspin.html?>

Third party software

Commercial: [ACDNMR](#), [MNOVA](#)

Free: [SpinWorks](#), [NMRPipe](#), [matNMR 3](#), [iNMR](#)

## Notes to TopSpin 4

Currently, versions 4.1.X installed on spectrometers, 4.4 available on NMRCF datastation

When you open Topspin for the first time under your own account, you need to set up a few things

- Set the path to data
- Create directory for your data
- Create a dataset in your data directory
- Open and customize the status panel
- Disable zg safety
- Other customizations available – colors, # of command lines, lock grid lines etc.

The preferences are stored in your home directory, e.g.

[/home/fiala](#)

In the directory [.topspin1](#)

If you want to use someone else's setup, copy this directory from his/her home directory to your home directory before starting TopSpin

## Becoming a user

After passing examination

Read and follow the Operation rules

[User access - Ceitec.cz](#)

User account will be created for you  
(Petr Padrta)

You get access to the booking system

Request at

[User access - Ceitec.cz](#)

new registration

(Jaromír Tousek)