MagRO NMRView Noise filter Guide

MagRO NMRView and Filt Robot can be used for noise filtration of NMR spectra using Deep Learning Technology

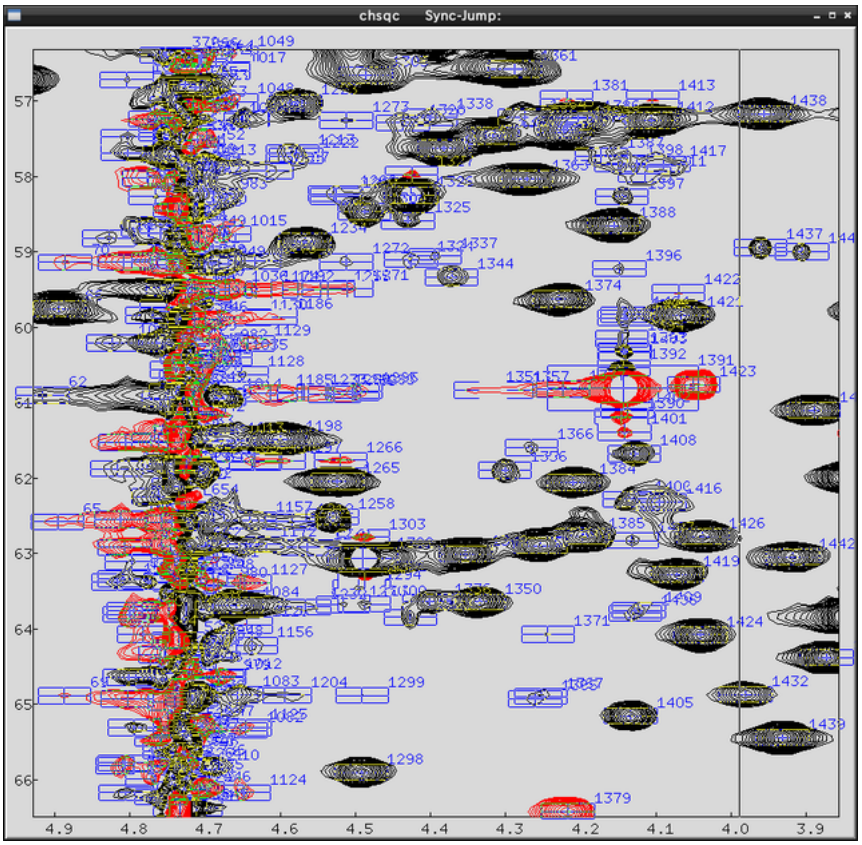
Quick demo for CNN filtration

2017/11/21

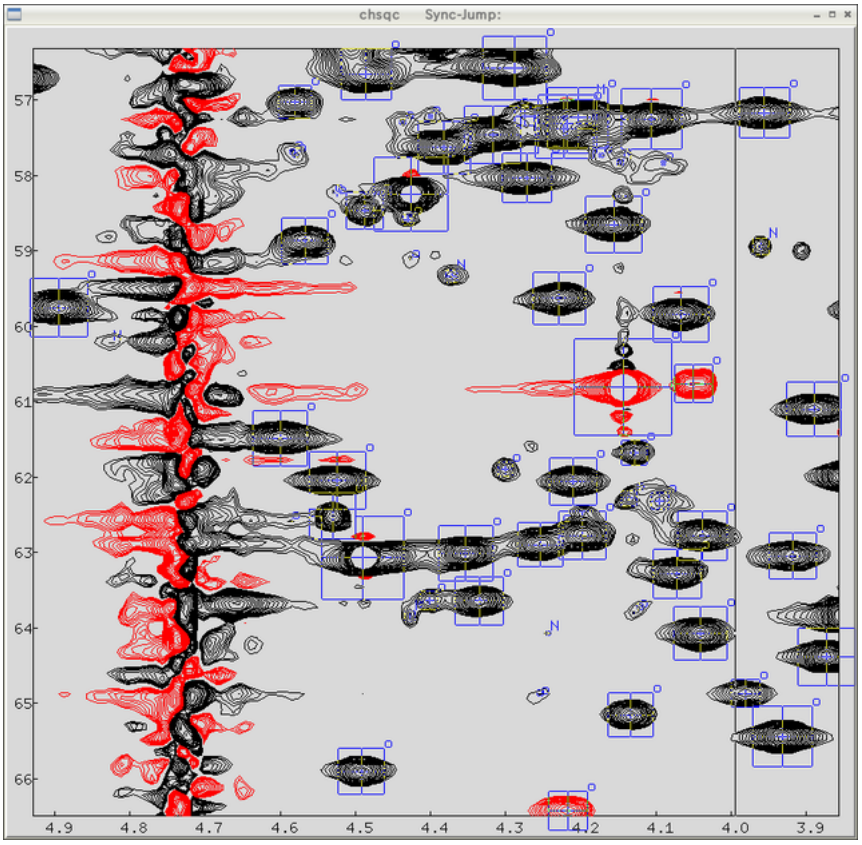
MagRO-NMRView and Filt_Robot (No-spectrum viewer version) have a powerful function to fully automated peak picking and automated noise filtration.
(Kobayashi et al., under review)

See the power of the deep learning filter:

Before filter (automated picking) of 1H-13C CT-HSQC



After CNN filtration



Go to the web-site to download program and demo data:
NMR Tool Box

MagRO-NMRView can be available:
MagRO-NMRView
You need to install NMR-ViewJ or NMR-View C-version (OneMoon Inc.)
note: NMR-View C-version has been already obsoleted.

Filt_Robot can be available:
Filt_Robot package
This package does not require Spectrum viewer.

For the Deep Learning Noise filter (CNN filter) requires:
OpenMPI 1.10.x link and CNTK-CPU only 2.0 from Microsoft link

The easiest way to try the demo data would be download Ubuntu virtual machine image
from our site: VirtualBox OVA (2.61GB)
Since the size of the ova is so big, please be patient (may take 20-30min depending on the network performance).