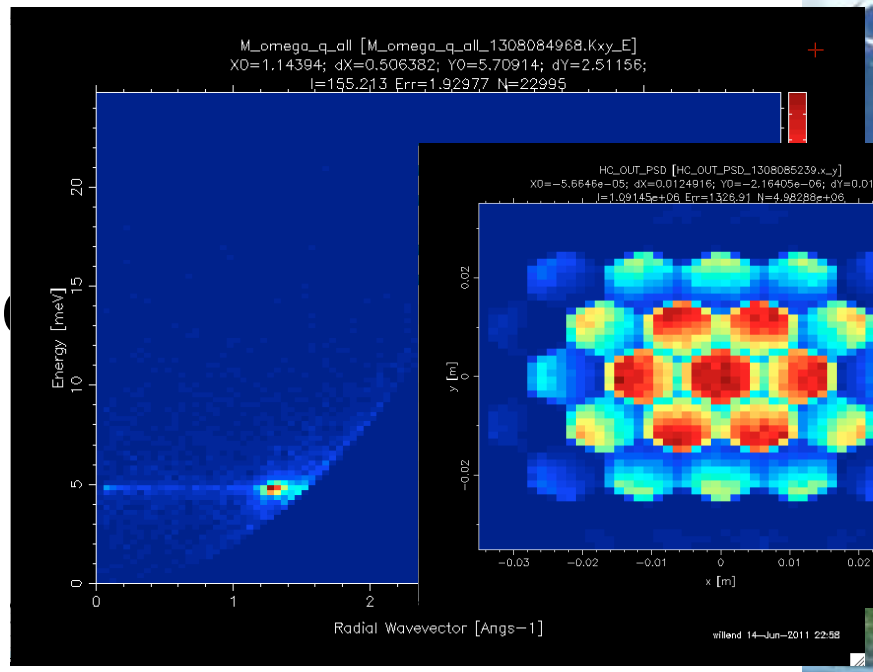
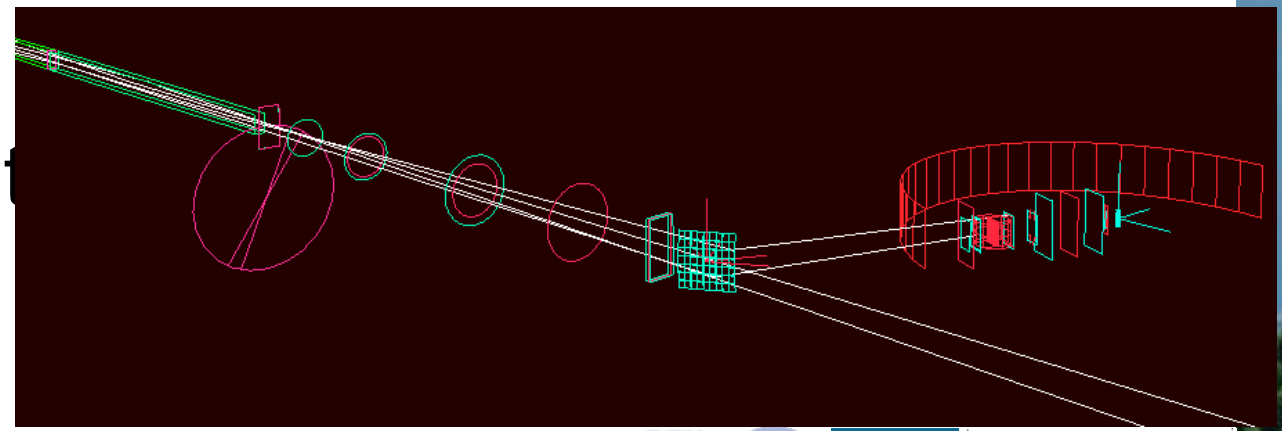
Overview of McStas example instruments

- So far we did not spend a lot of time on the Neutron Site menu in mcgui. Many relevant examples are available there, serving as inspiration for new users.

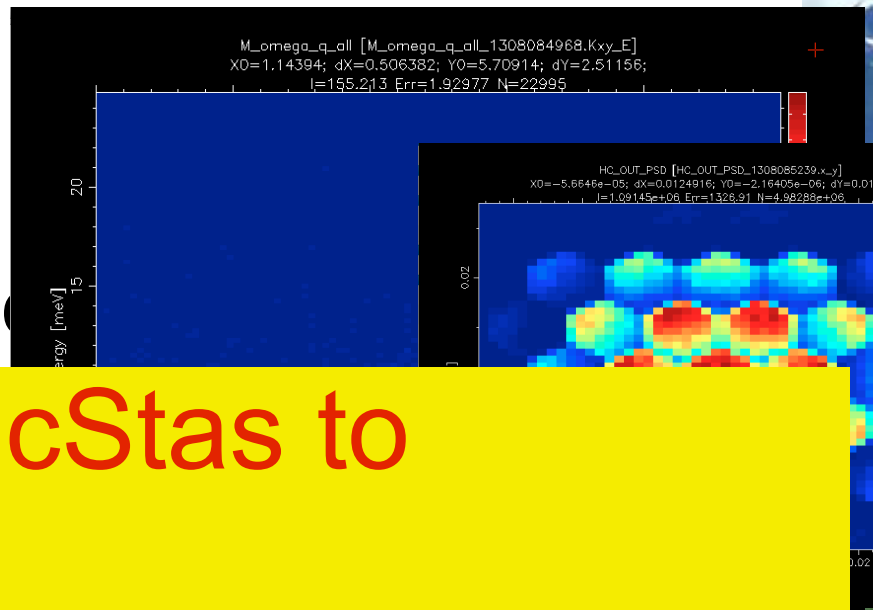
7 TOF spectrometers:

- ESS_IN5_reprate.instr
- ILL_BRISP.instr (Small-angl
- ILL_H15_IN6.instr
- ILL_H16_IN5.instr
- ISIS_Hetfull.instr
- PSI_Focus.instr
- templateTOF.inst

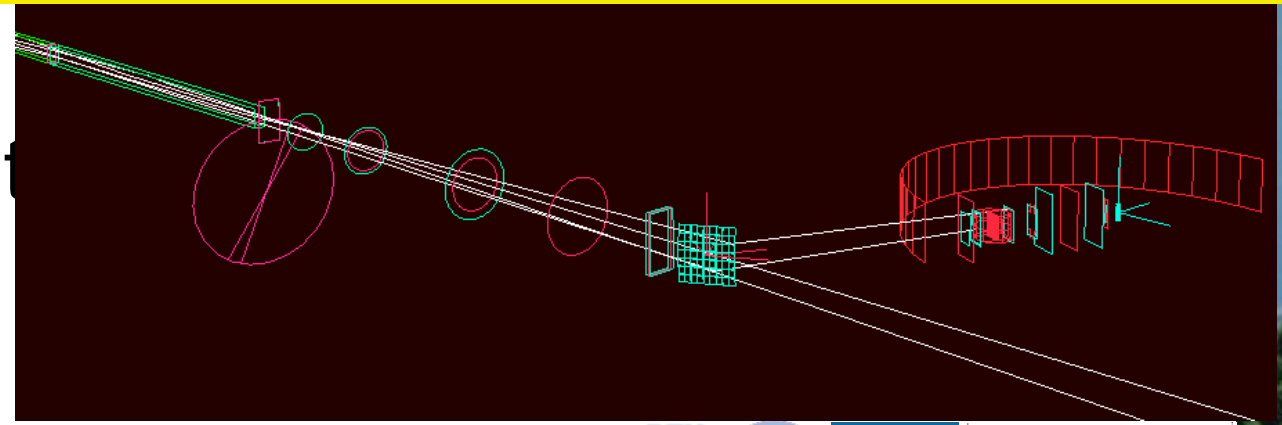




7 TOF spectrometers:

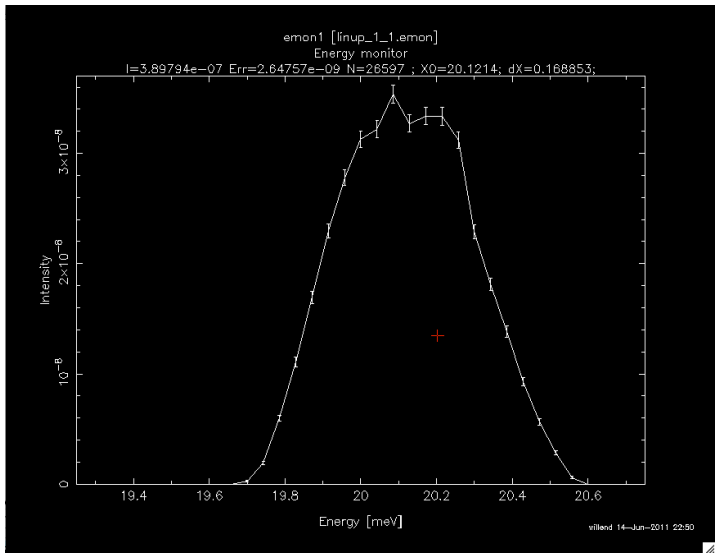


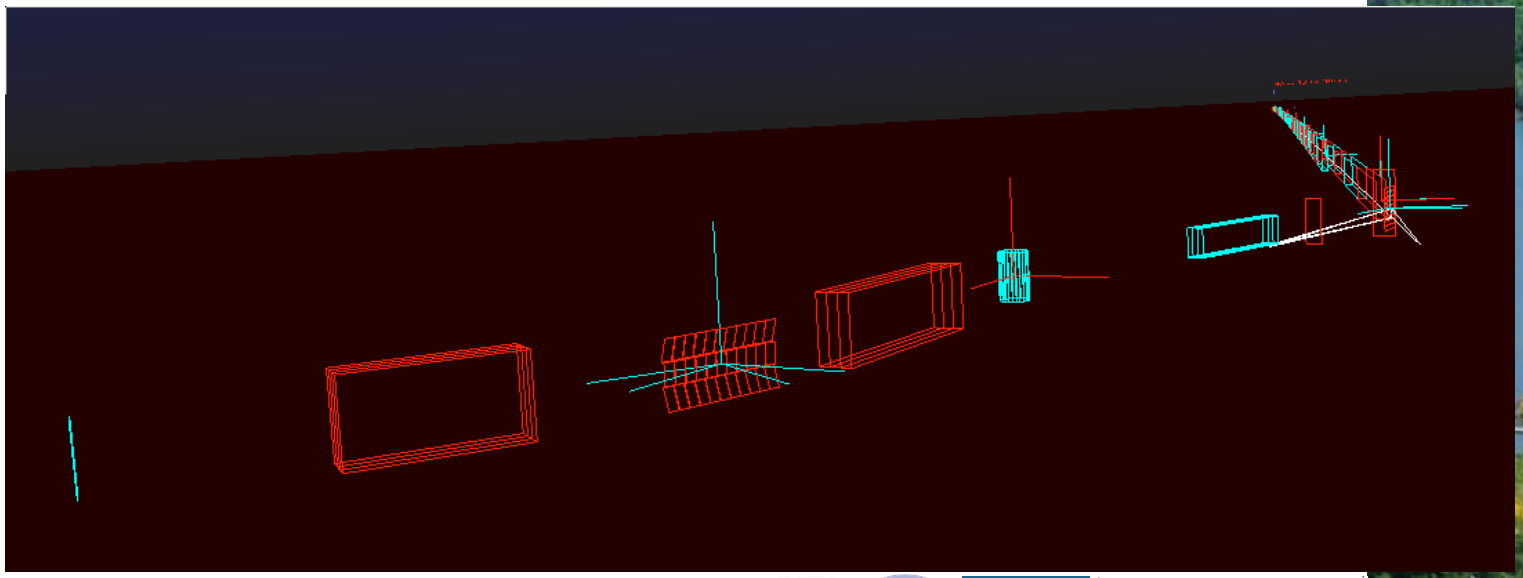
- ESS_IN5_reprate.instr
- ILL_BRISP.instr (Small-angl
- Should we rename McStas to McStof ? :)
-
- PSI_Focus.instr
- templateTOF.inst



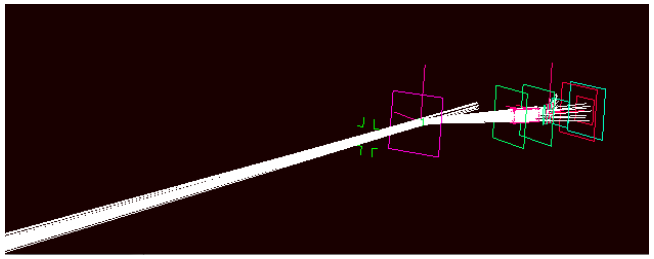
5 TAS (linup-? are all Risø TAS 1):

- ILL_H142_IN12.instr
- ILL_H25_IN22.instr
- h8_test.instr
- templateTAS.instr
- linup-1.instr
- linup-2.instr
- linup-3.instr
- linup-4.instr
- linup-5.instr
- linup-6.instr
- linup-7.instr



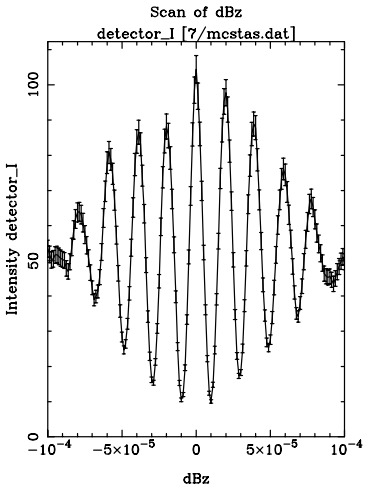


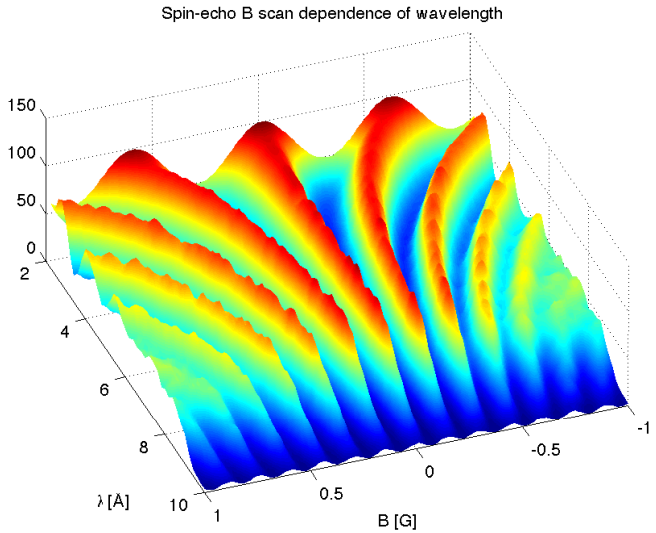
1 Hybrid spectrometer + 1 Spin-echo



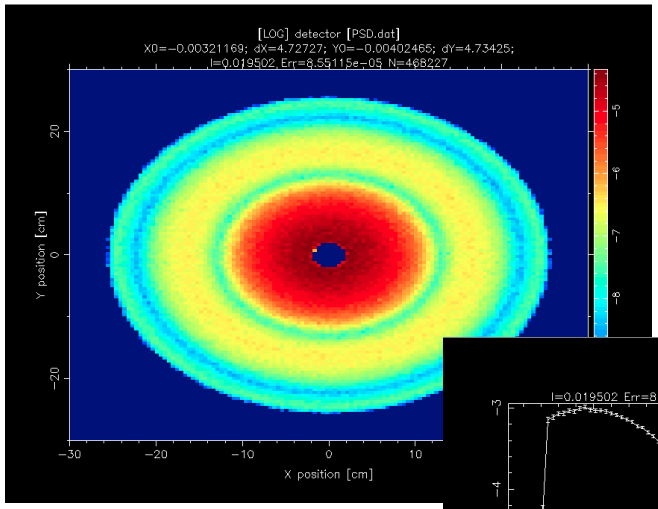
- 1 Hybrid spectrometer:
- prisma2.instr

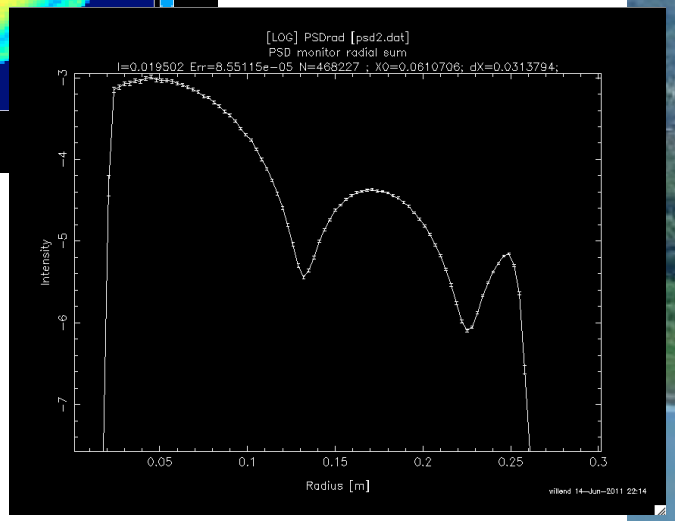
- 1 Spin-echo (two different implementations, same instr):
- SE_example.instr
- SE_example2.instr



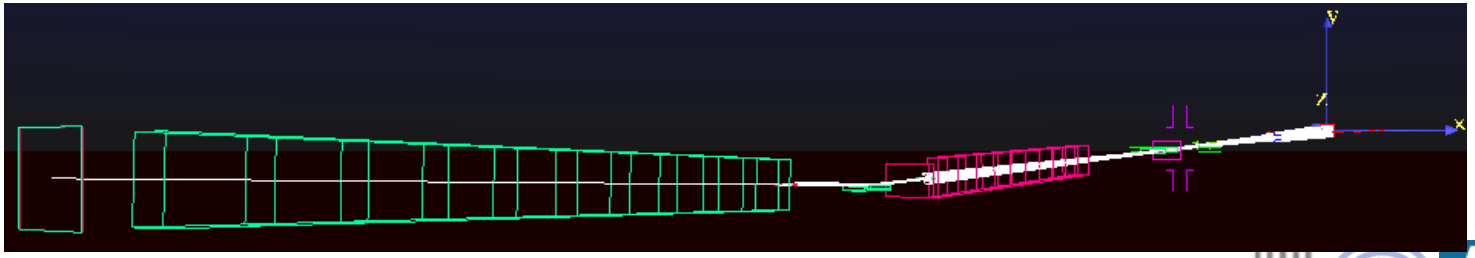


Large scale structures

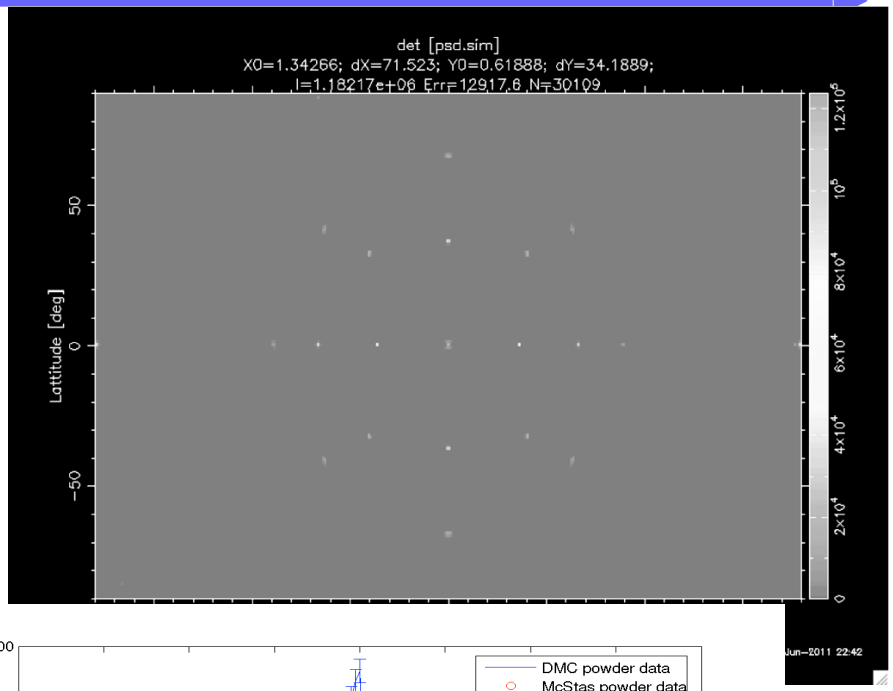




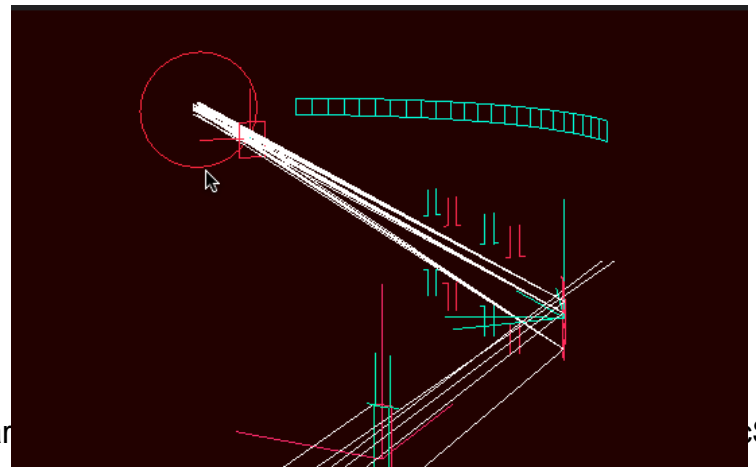
- 2 SANS:
- FZJ_KWS2_Lens.instr
- FZJ_SANS_KWS2_AnySample.instr
- FZJ_SANS_KWS2_DebyeS.instr
- FZJ_SANS_KWS2_Guinier.instr
- FZJ_SANS_KWS2_NoSample.instr
- SANS.instr
- 1 Reflectometer:
- ISIS_CRISP.instr (Not an accurate model)

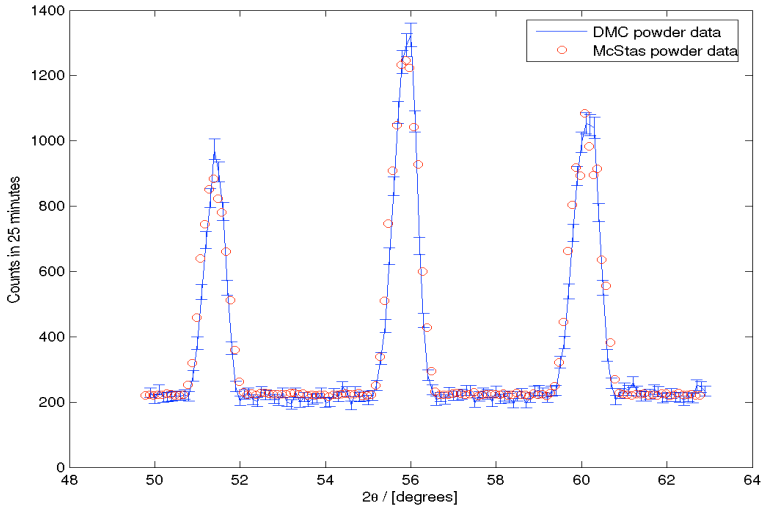


Diffractometers



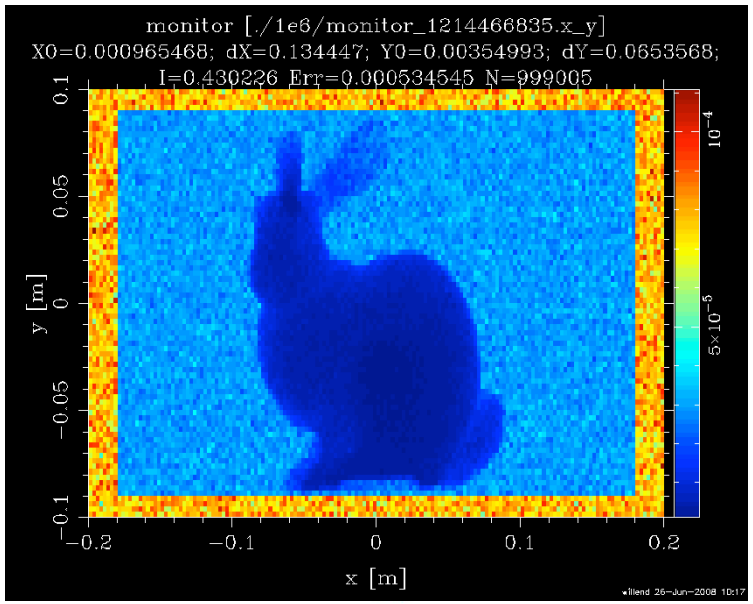
- ILL_D1A.instr
- PSI_DMC.instr
- templateDIFF.instr
- templateLaue.instr

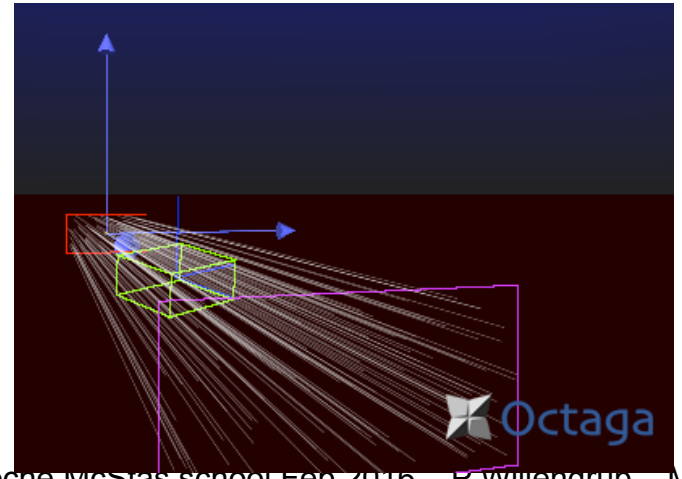


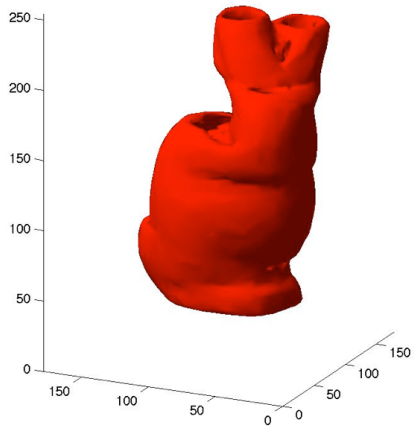


Imaging

- Tomography.instr
- - comes with simple
- filtered backprojection
- reconstruction (Matlab)







Histogrammer.instr

- Histogrammer.instr
- - takes any kind of supported ‘event input file’, e.g. from Vitess. String parameter used as Monitor_nD options, can make all types of histograms from the event file.
- (I.e. conversion tool for plotting of data)

Feedback and help

- Please:
  - - Enroll to mcstas-users@mcstas.org
  - - Post your question there or to mcstas-support@mcstas.org
  - - There is no such thing as a stupid question!
  - - Subscribe to our rss feed at http://www.mcstas.org
  - - Like us on Facebook? :)