## Experiment

You don’t need extra packages here, only you want to work in the modern release (R00….), but pay attention to the modeling calibrations and other stuff – it has to exist in this release.

1. Get the list of experimental data files with stated directory, range of runs, year (MHAD2019)
   1. Example can be found in /work/users/kladov/snd2k/R007-002/fwk/recflist\_my.fwi
   2. The list of all runs and determined ranges can be found via comand xxx (forgot)
   3. Place this file in your fwk directory and include in fwk/recreco…
2. Make a job file for experiment processing
   1. Example is /work/users/kladov/snd2k/R007-002/fwk/recreco-col\_wfmcCalibrT.fwk
   2. Adjust it according to the guide for your release, located in .mainrelease/Offline/
3. Make hist file as it is included at the bottom of the job file
   1. Example is /work/users/kladov/snd2k/R007-002/fwk/histcommon\_colNCA.fwi
   2. You can define translations in the same file or add another and include it in the job file:

/work/users/kladov/snd2k/R007-002/fwk/histtranslationsA.fwi

1. Launch job like this (make file runreco.sh and launch it with ./runreco.sh):

source /work/snd2000/root/setup2k.sh i386-SL5-debug

source /etc/sysconfig/gridengine\_nsu

.mainrelease/Offline/submit.sh -q clusters,360 -t 261-310 TAKE\_ALL\_RUNS=1 RecRootApp fwk/recreco-col\_wfmcCalibrT.fwk

## Modeling

You can do it after making a map from experimental data

You need special type of modeling data with reserved hits, so ask someone responsible for it (A. Berdugin) for these files like \*.mod.gz

You need to slightly change packages: SimFwk, ClbModules and SimMixFwk:

* Copy them from .mainrelease/ to your directory

cp