Indexing after fraser transformation with =0

Update analysis script

- copy cxif5315/proc-cxif5315-r0169-peaks-from-file-v2.py to ...-v3.py and use v3 file in this test
- use the same data after peak_finder_v2
- use the same curve_fit to peaks with free parameters for angles phi and beta
- apply image peak rotation in phi and do fraser transformation for =0
- change event selection for all peaks |qv|<0.001 1/Å to |qv|<0.02 1/Å
- add histogram for beta evaluated in indexing

Results

phi and beta angles offsets of central values p0 = [-3.2,-16.0]

Plots in h,k and reciprocal space

for all selected events

for 0<<20° and 180<<200°

The same plots for V1 of fraser transformation with 0

for all selected events

for 0<<20° and 180<<200°

2012-12-17 Mtg with Meng

Preblem: beta from fit does not match beta from look-up table

Things to try

- play with tolerance
- when using corrected beta after fit, generate look-up table for beta=0 only
- use bright peaks only for indexing