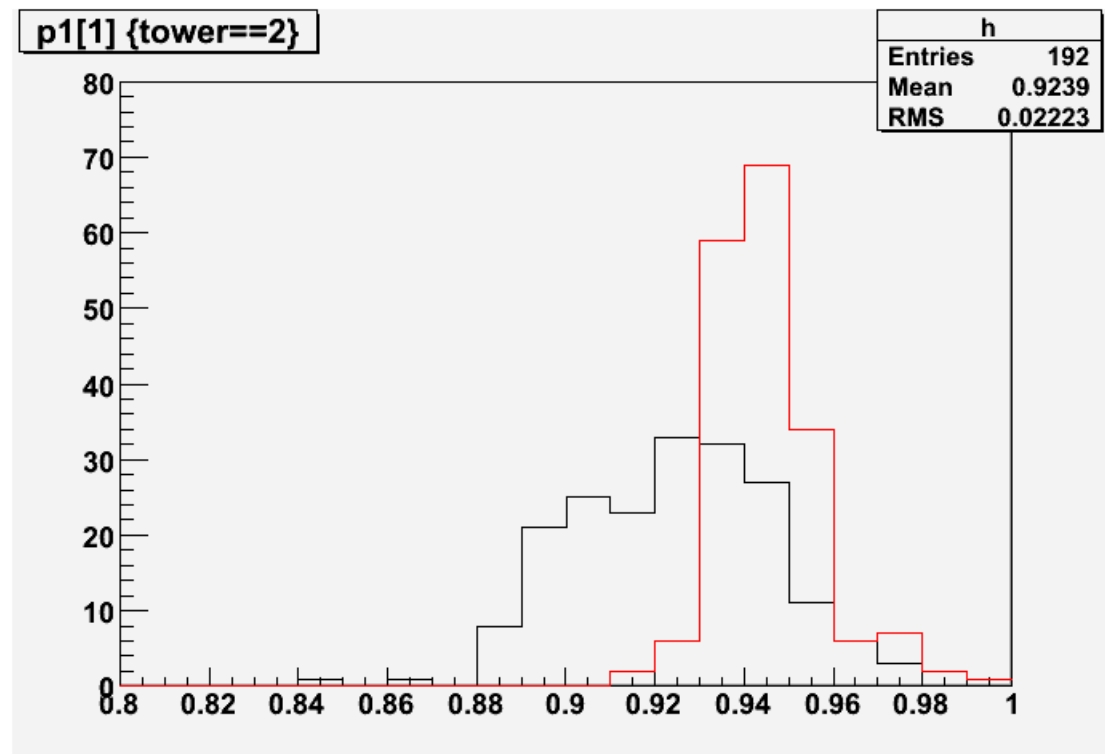


Calorimeter energy discussion

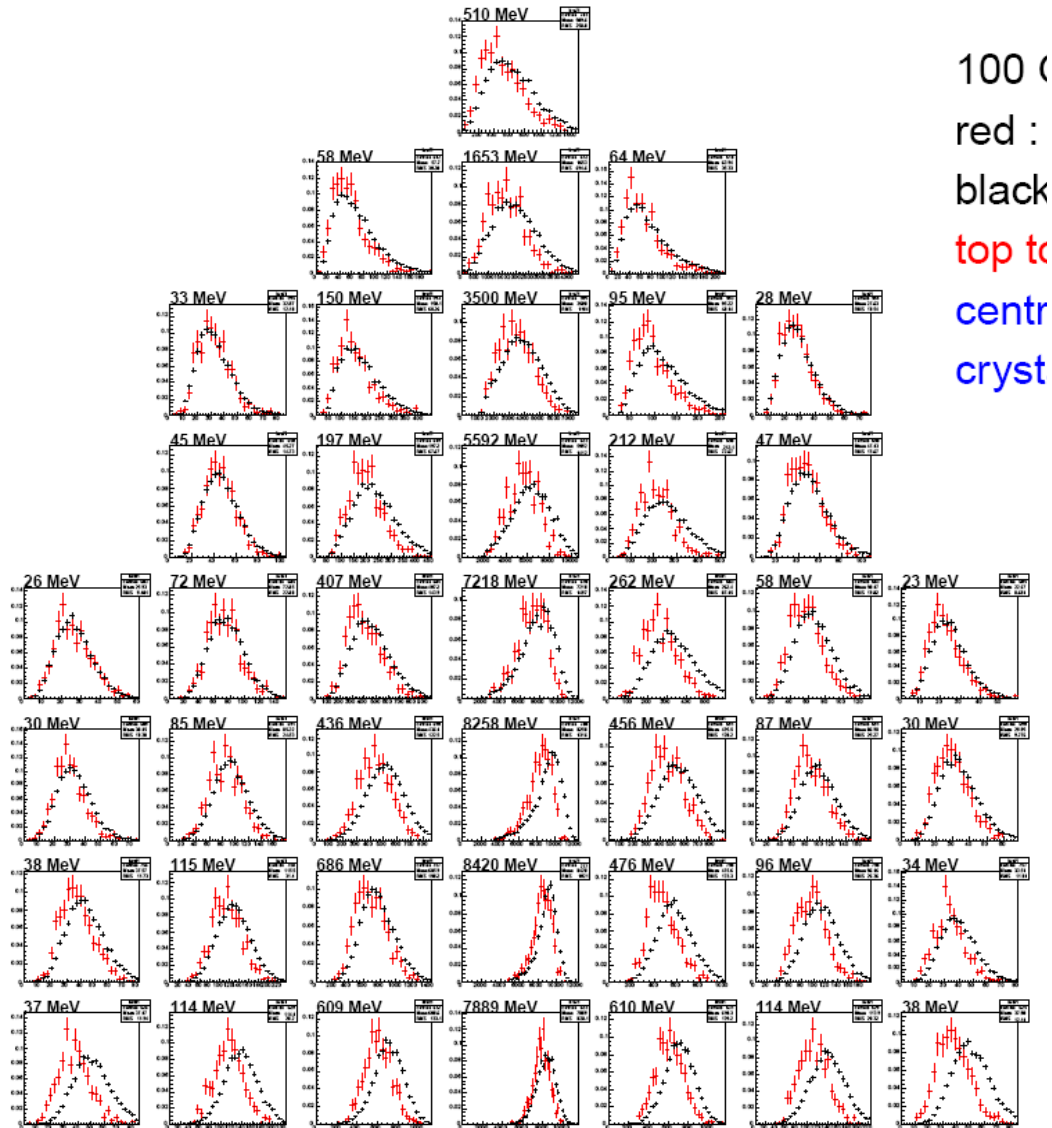
- The brave new world
 - Perfect standalone calibration (charge injection + muon)
 - Perfect simulation
 - Beamtest Brother is watching...
 - $\Delta(\alpha, \beta, \gamma) < \epsilon \ll 1$
- The best world
 - Good standalone calibration (charge injection + muon)
 - Tunable simulation
 - Agreement is reached after tuning the simulation
 - Everything is easily transferred to the LAT
- The best possible world ("C'est la vie"-world...)
 - Not fully understood standalone calibration
 - (maybe not entirely) tunable simulation
 - Modifying the calibration to get agreement between data and MC
 - BUT transferring this calibration to the LAT will not be easy
 - BUT since we have no constraint to tune the MC, we are less sure that the agreement is valid throughout the phase space

LEX1 vs HEX8

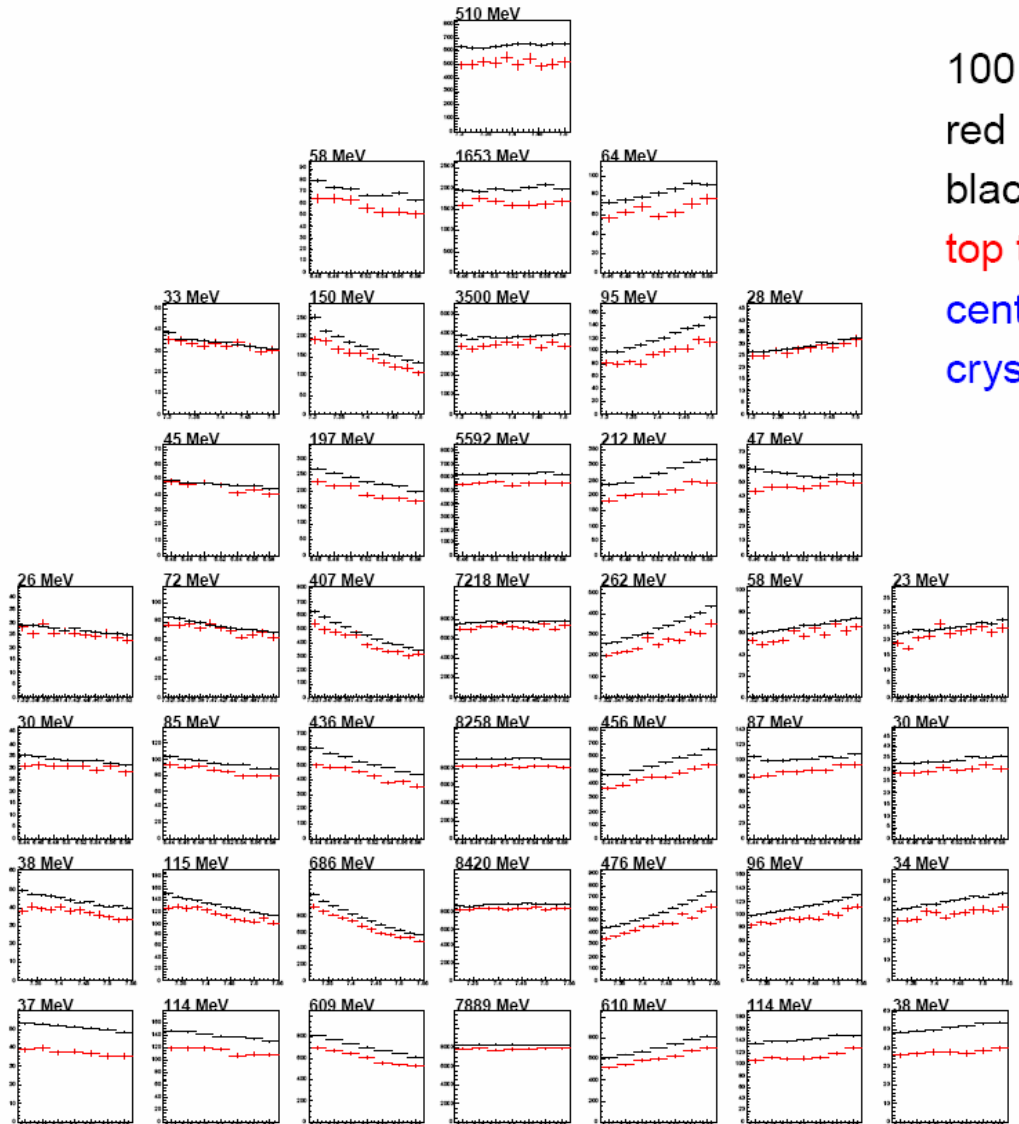
- HEX8/LEX1 should be 1 if muon peak calibration in small diode is correct
- What is the precision of the muon calibration of HEX8 with muon gain ?
- Last non-linearity correction has a positive effect, but that is not all
- We always corrected HEX8. Do we have to correct LEX1 instead ?



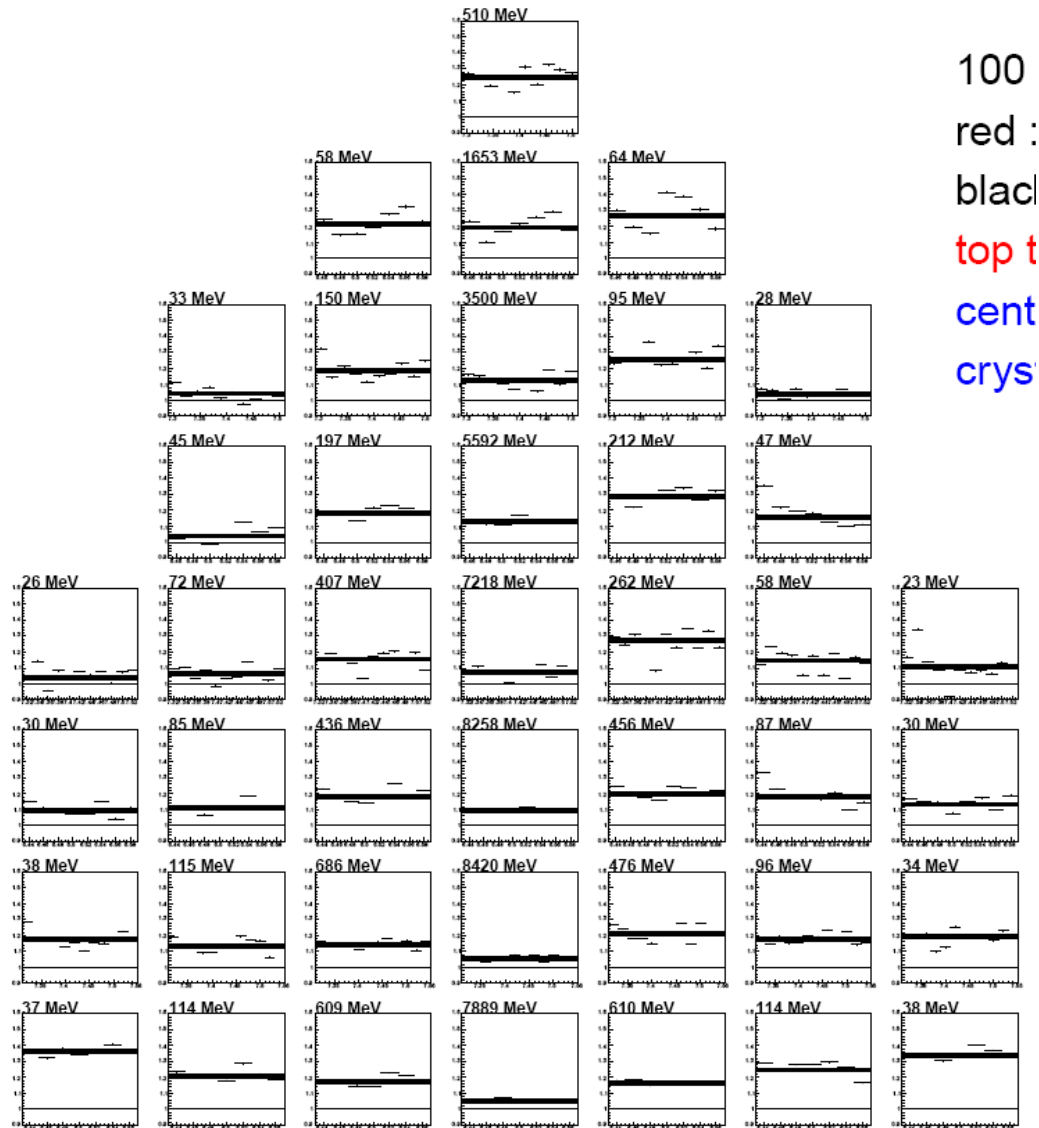
Modifying the calibration



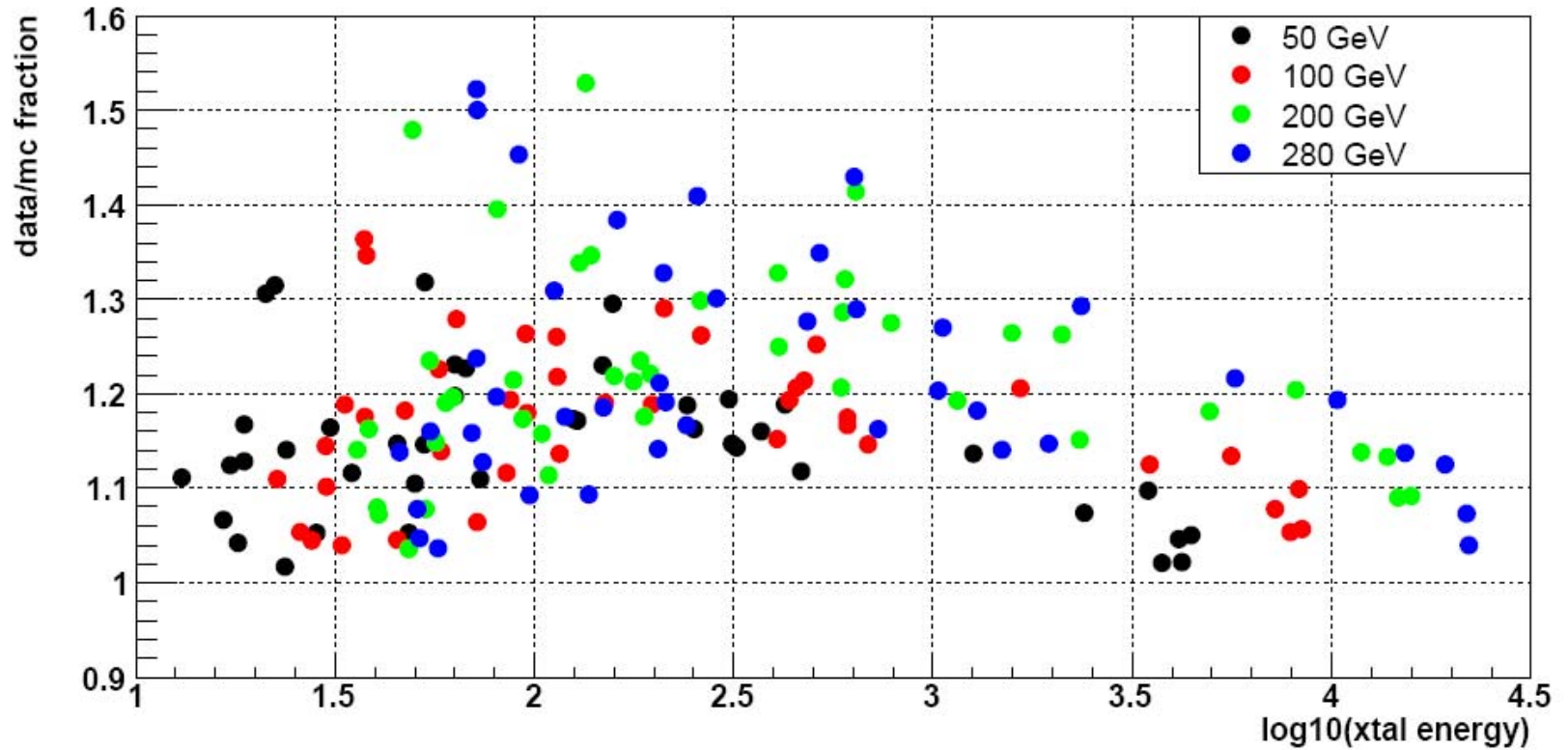
Modifying the calibration



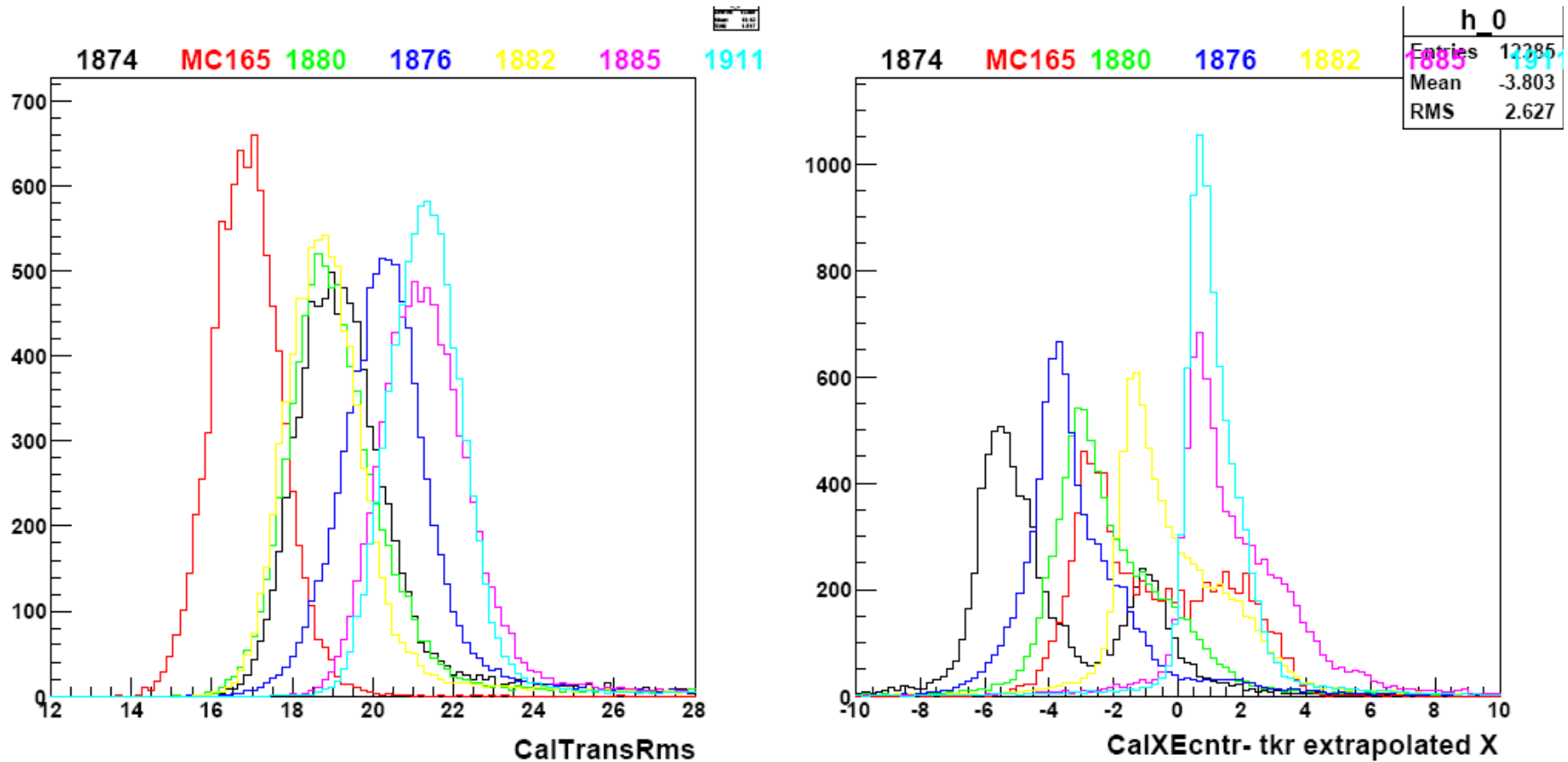
Modifying the calibration



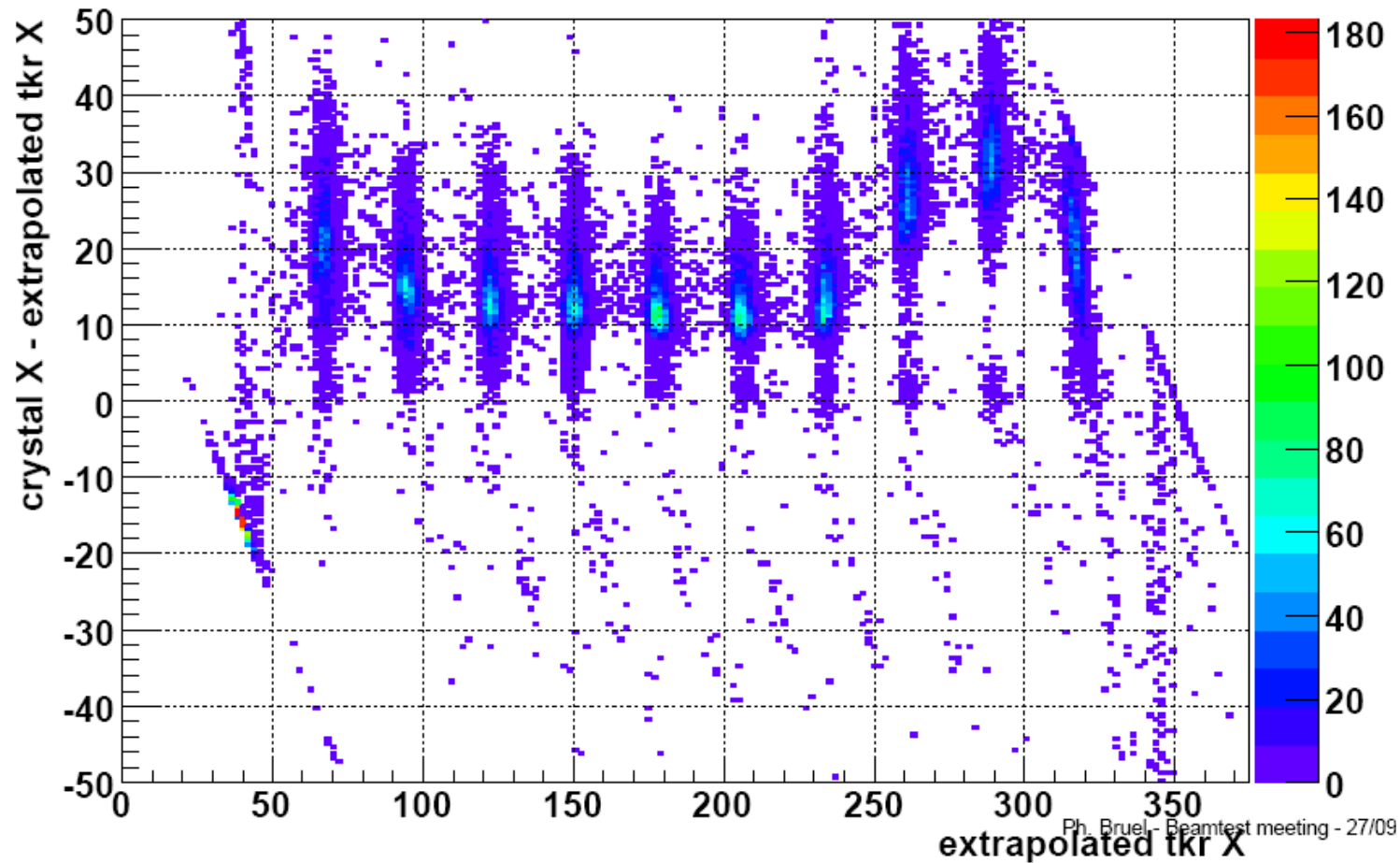
Modifying the calibration



Position measurement can be used as a constraint



Position measurement can be used as a constraint



Position measurement

- We should check/use the position measurement in GCRCalib
- Is the tack extrapolation accurate enough ?