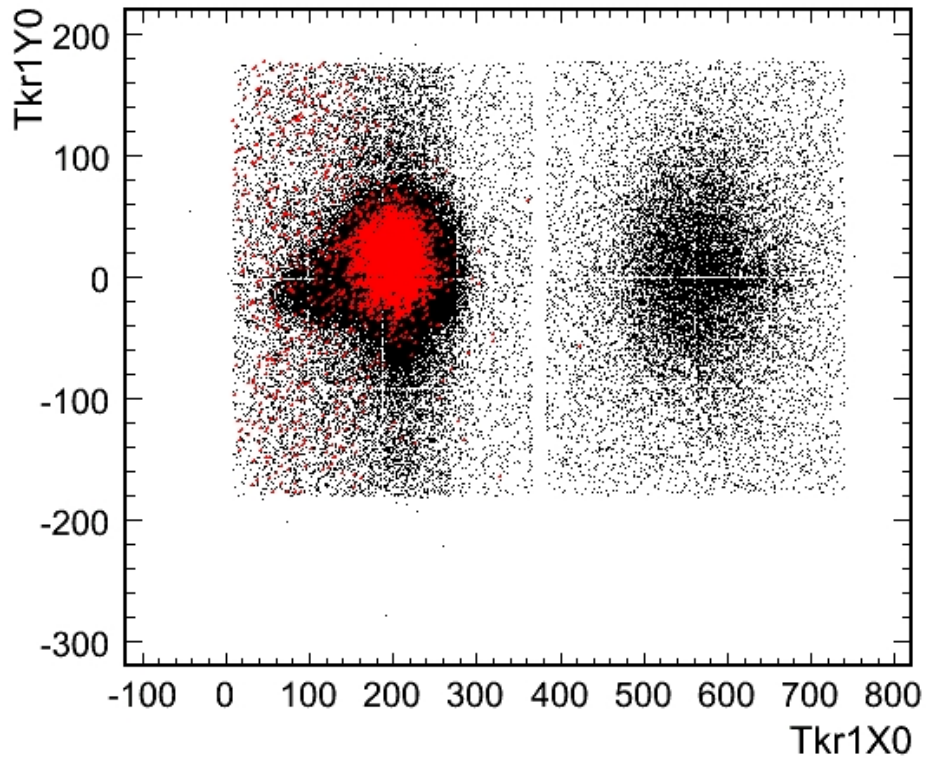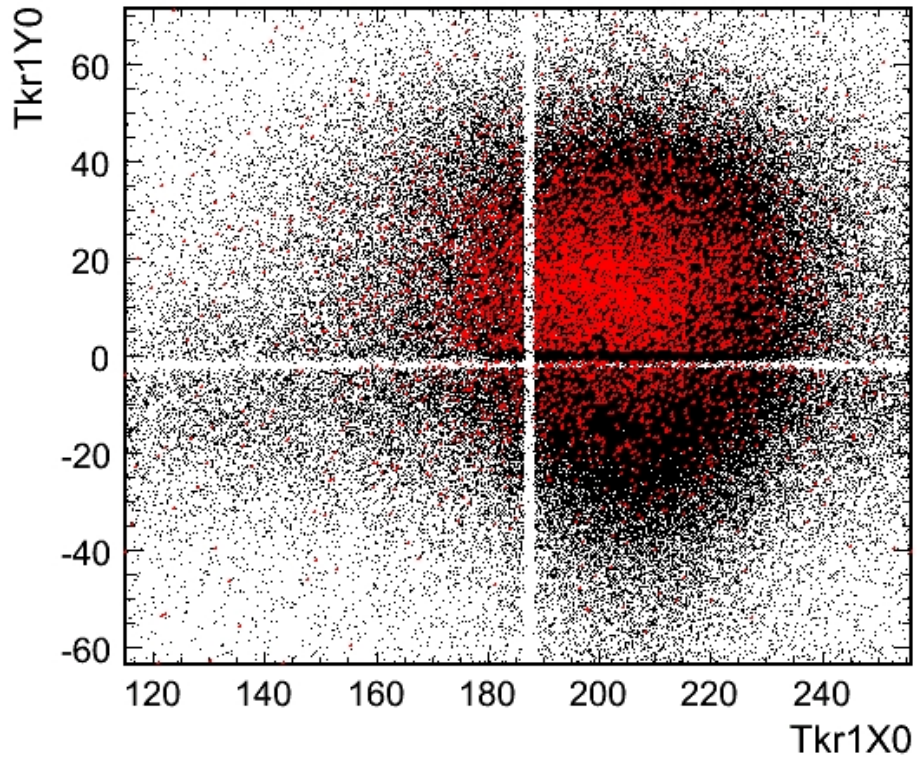*Bremsstrahlung runs cont'd*

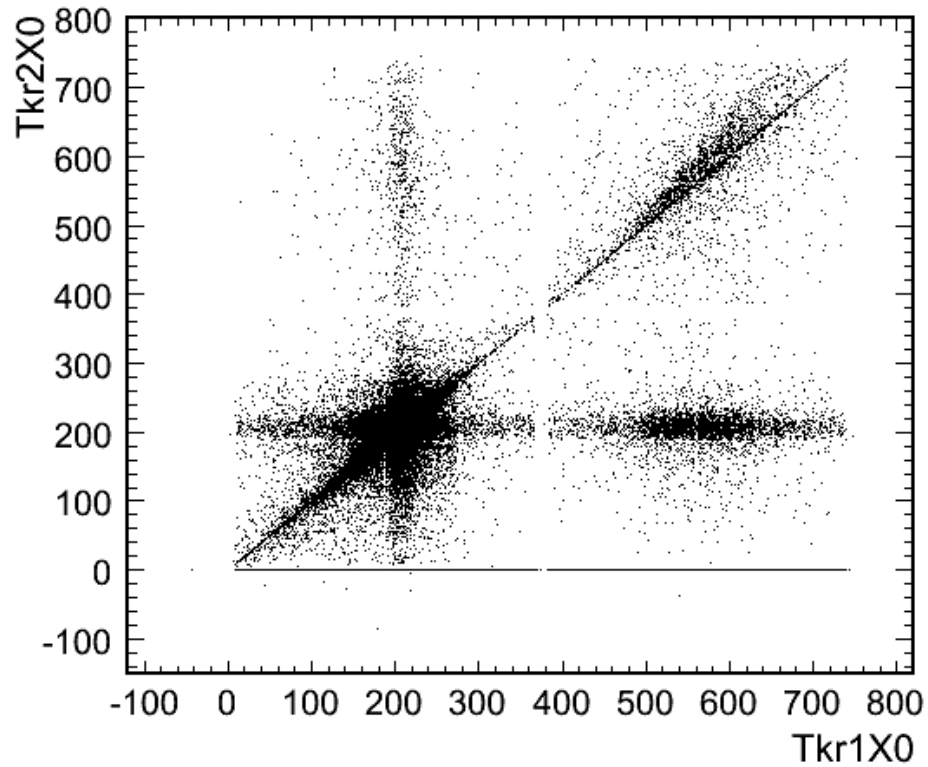Runs 1181,1182,1183
BT MC 128(p7-1),129(p8-4)

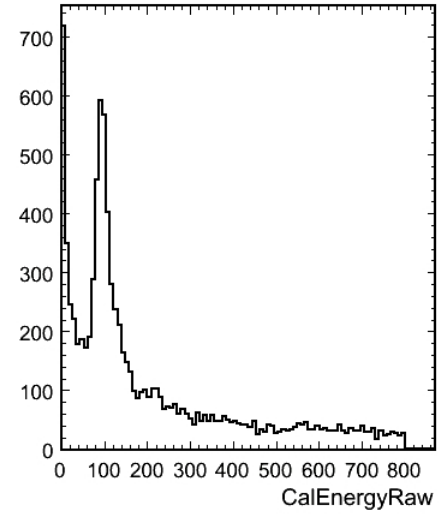Noise in beam
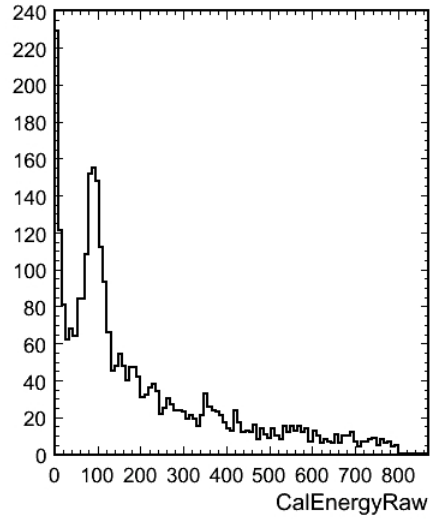
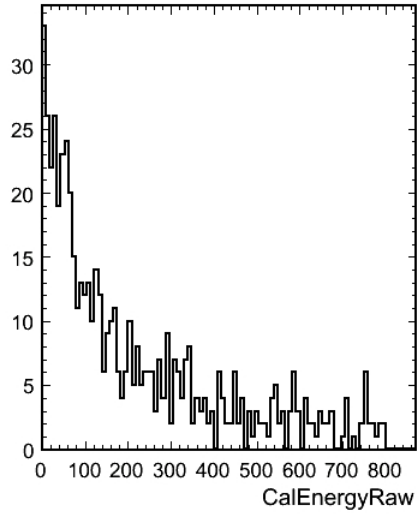Relative Conversion efficiencies in TKR2/3, Data+MC

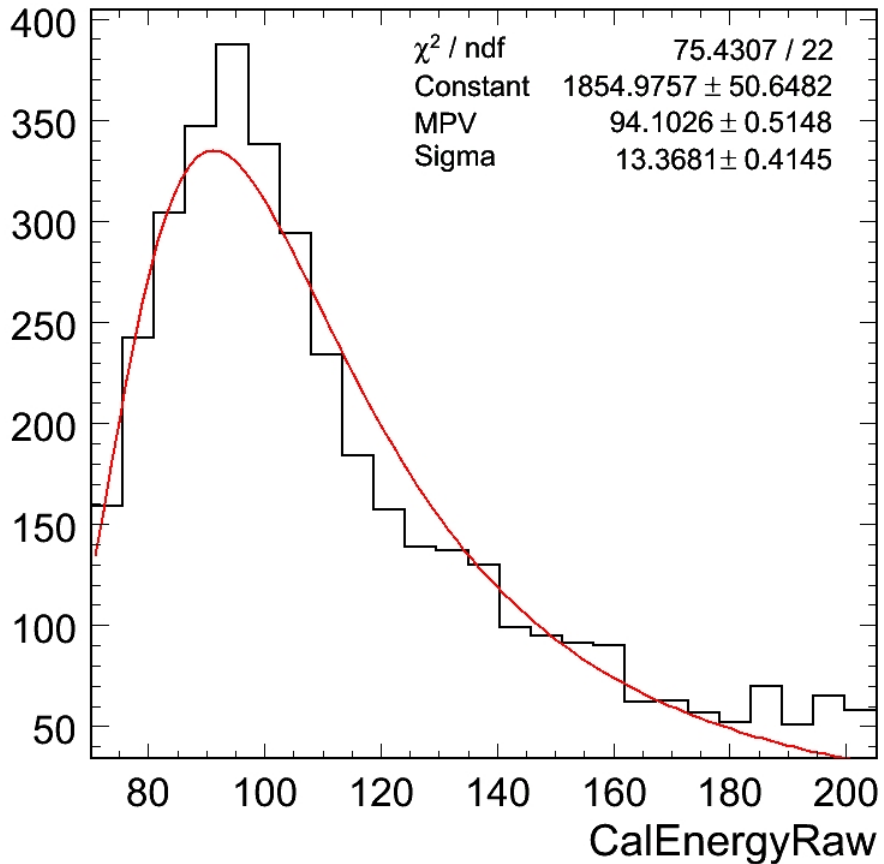Distribution of reconstructed tracks - tracks in TKR3 assumed to be pileup.

Data are reconstructed $\approx 2 - 3\,\mathrm{mm}$ lower in Y than the MC.
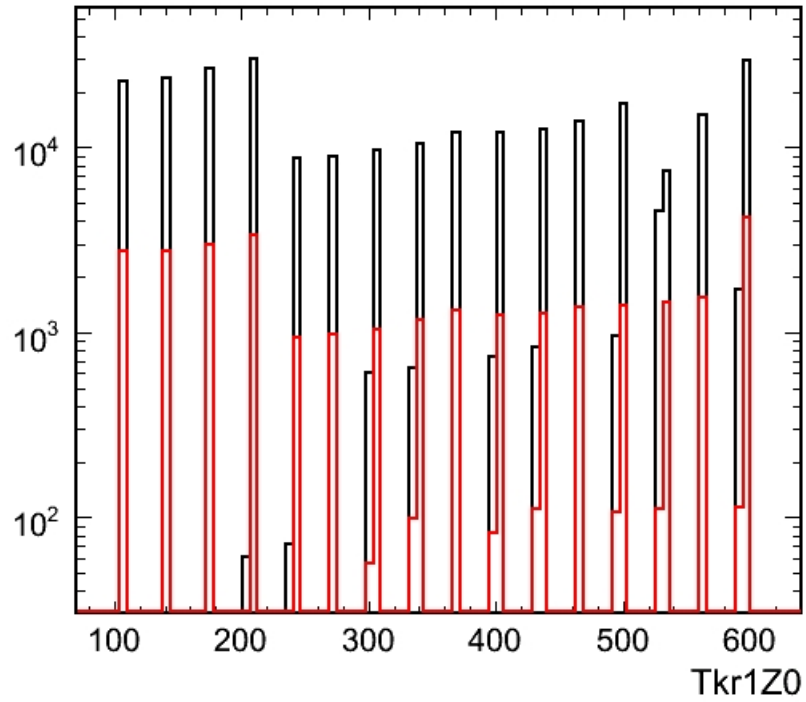Also note how close the beam is to a wafer corner.
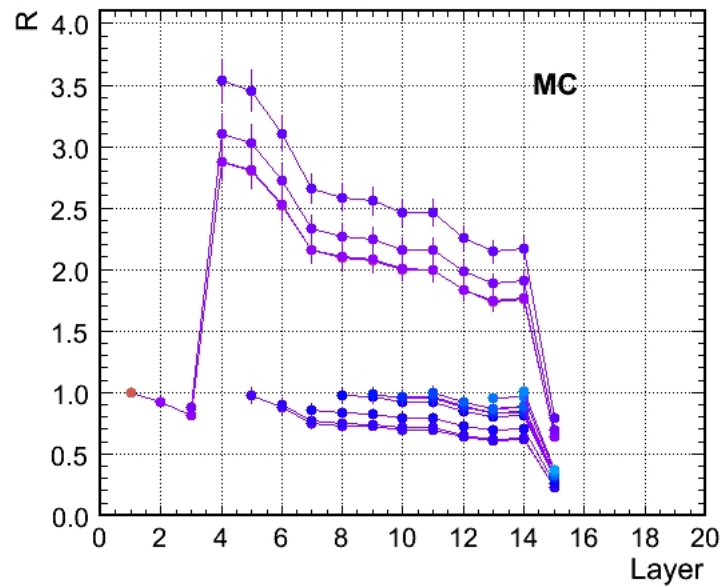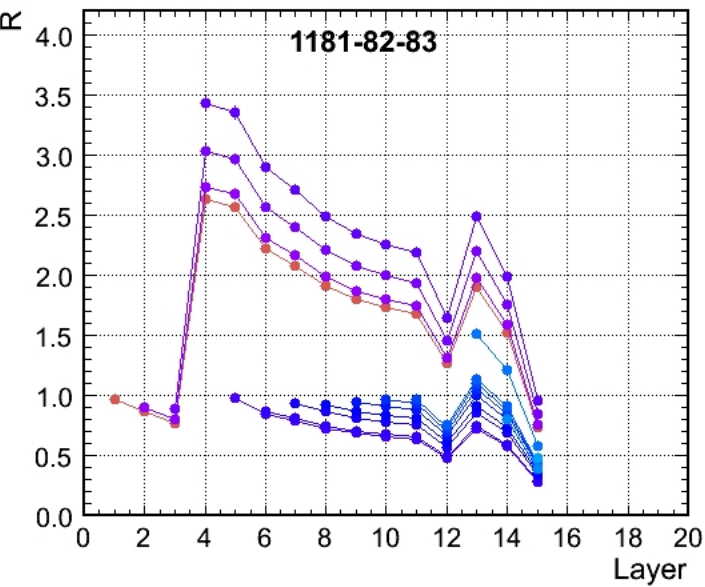
N: 0.2% NE: 4.2% E: 1.3%

Deposited energy in CAL

Consistent with a MIP distribution at 8×12 MeV/layer (dE/dX $\approx$ μ)
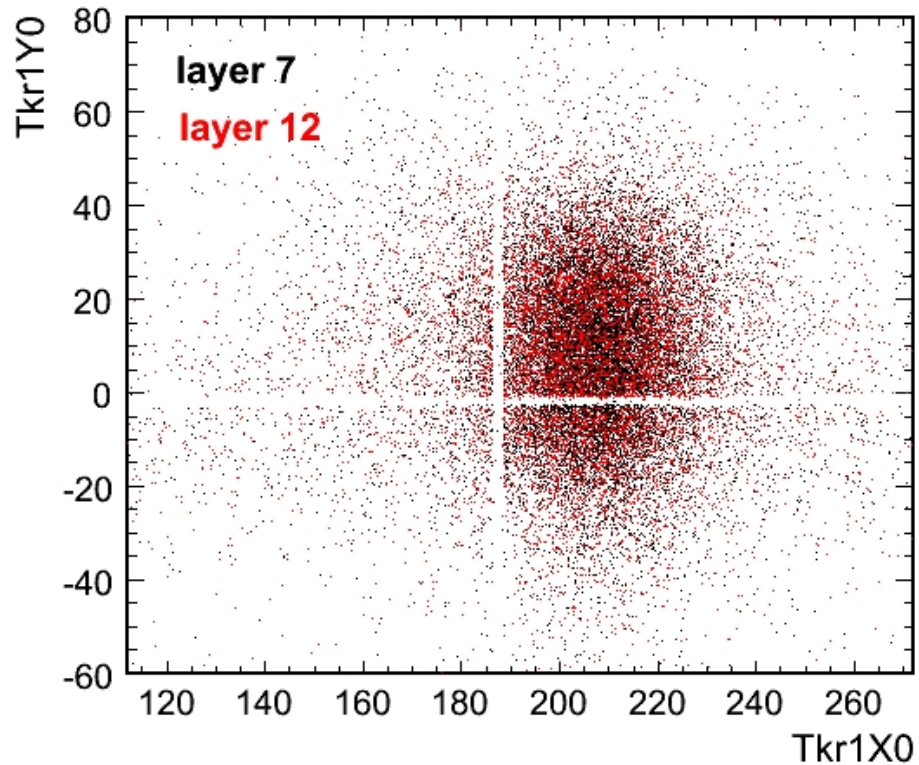
Counts in layer $i : C_i$

Ratio $R_i = C_i/C_{i+1}$ with $\sigma_{C_i} = \sqrt{C_i}$.

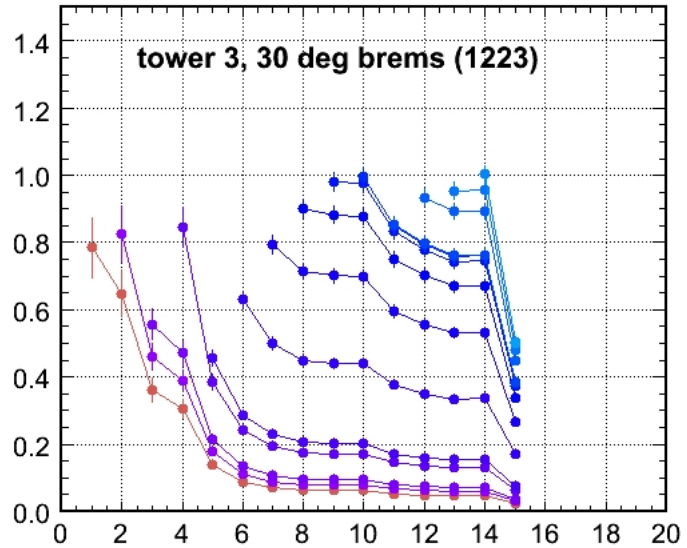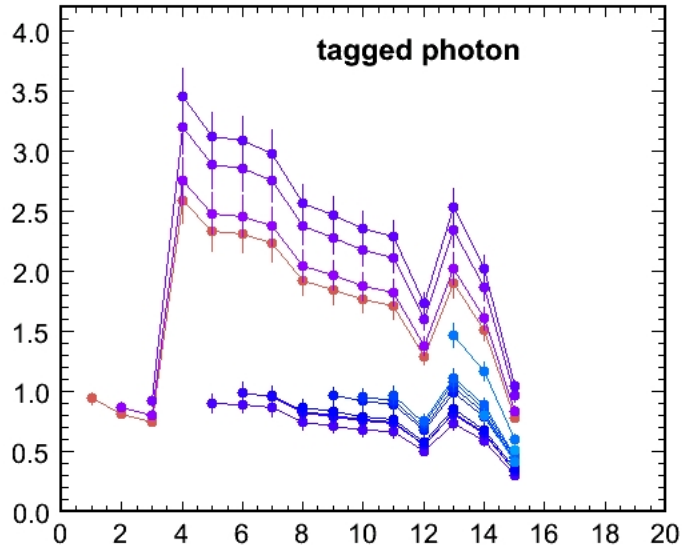Discrepancy on layers 12,13 (my numbering, LAT numbers +3)
Layer thickness? Wafer alignment? SSD efficiency?
Effect on recon probably not large - tagged gammas run in Tower
3 for inter-tower calrecon comparison ?

Comparison of layer 12 and 7
No obvious relative shift, hence not an increase of sensitive area in wafer cracks.

Same effect in tagged photon run.
Top layers in Tower 3, 30° brems: better!
Bremsstrahlung run in Tower 2 in center of wafer
Bremsstrahlung run in Tower 3