Rich Mirror Alignment

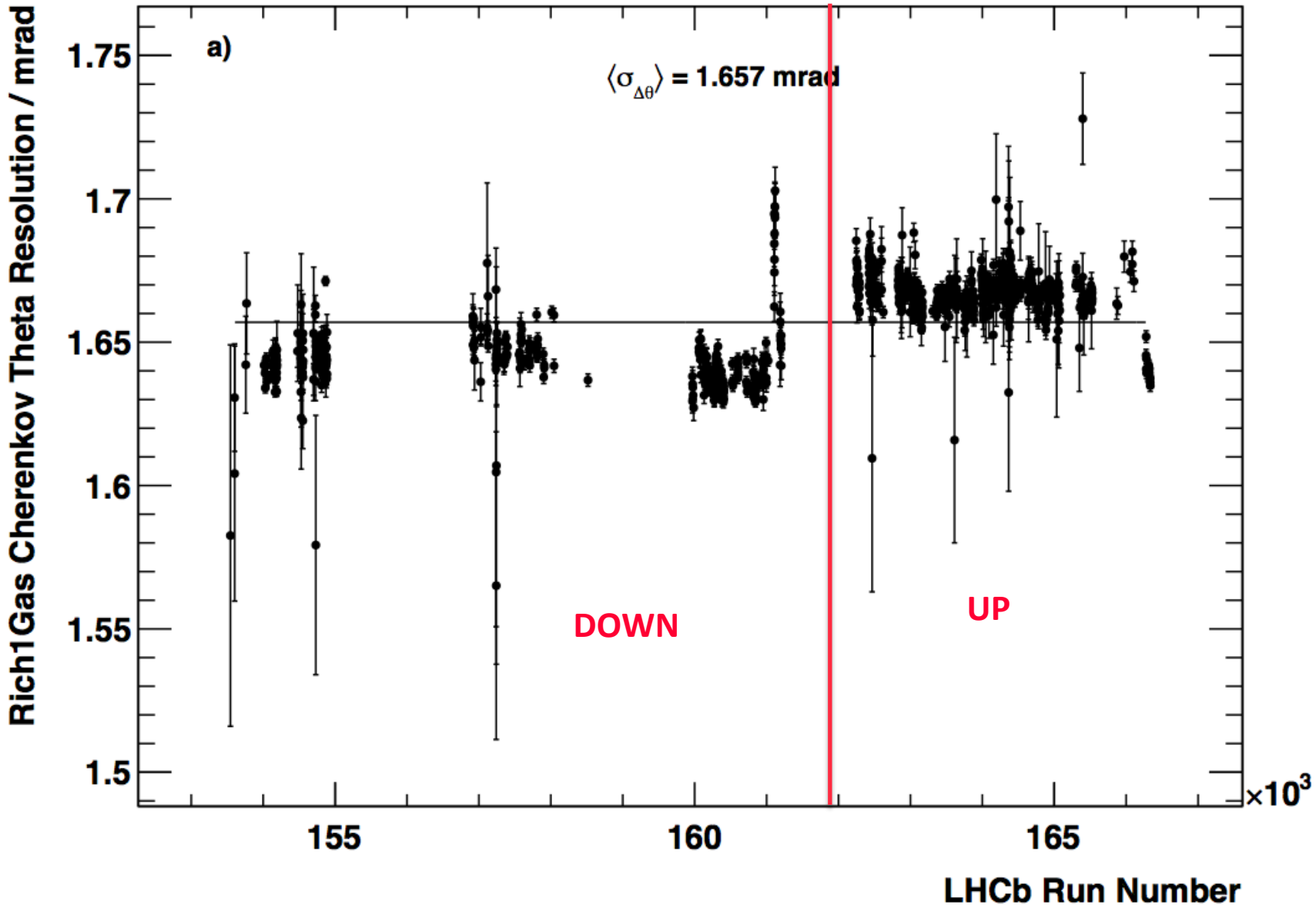
27/11/2015 Claire Prouve

Current state

1. CAN run automatically now (whenever Clara makes it happen)
2. Option w/ or w/o calculation of magnification coefficients
3. All alignments will be copied to */group/online/AligWork/MirrorAlignments*
4. Currently working on the monitoring

   What would you like to have monitored?

Mag Up/Down differences



Mag Up/Down differences

Alignment DOWN:

Runs: 160087 160133 160163 160170 160172 160212 160214 160245 160365 160525 160597 160997

only this iteration's additional corrections to compensations: truncated, not rounded

Y				Z			
-.2	.2	-.2	.0	.0	.0	-.2	-.1
-.9	.0	-.1	.0	-.1	-.1	.0	.0
.0	.0	.1	.3	.2	.0	.1	.0
-.2	.3	.2	.0	.0	-.2	.7	.1

Alignment UP:

Runs: 162424 162428 162429 162832 162985 163364 163434 163596 164429 164524

only this iteration's additional corrections to compensations: truncated, not rounded

Y				Z			
.0	.4	.2	.3	.0	.1	.1	.1
-.1	.0	.1	.0	-.3	-.3	-.3	-.3
.1	.0	.2	.4	.5	.1	.1	.3
-.4	.5	-.5	.2	-.2	.0	.9	.0

Mag Up/Down differences

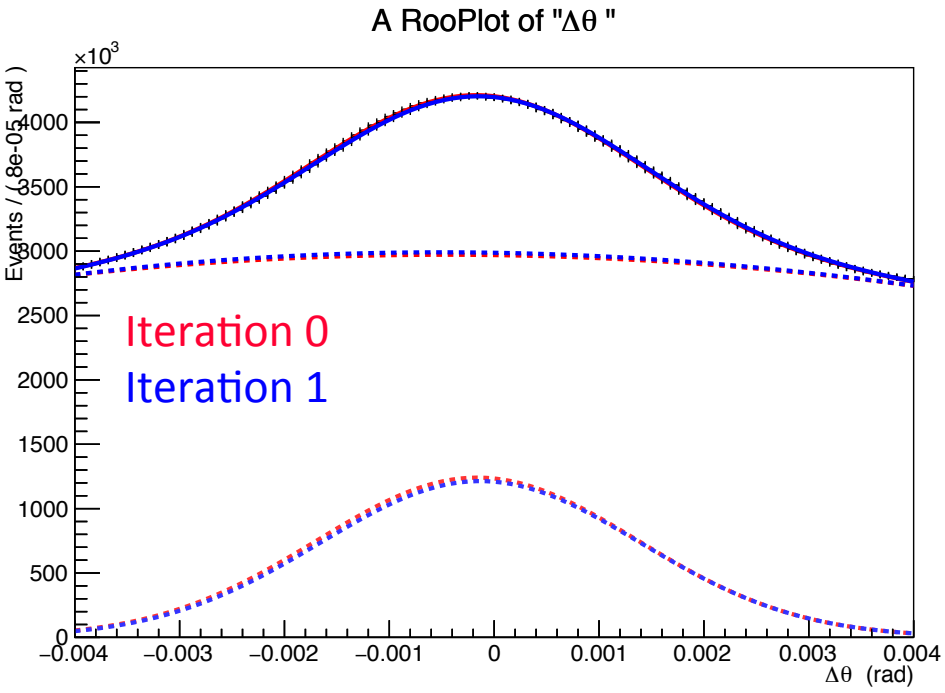
Mag DOWN

Cherenkov angle resolution

Iteration 0 `0.00152944 +/- 4.0311e-06`

Iteration 1 `0.00152393 +/- 4.042e-06`

From Chris' plot ~ 1.635 mrad



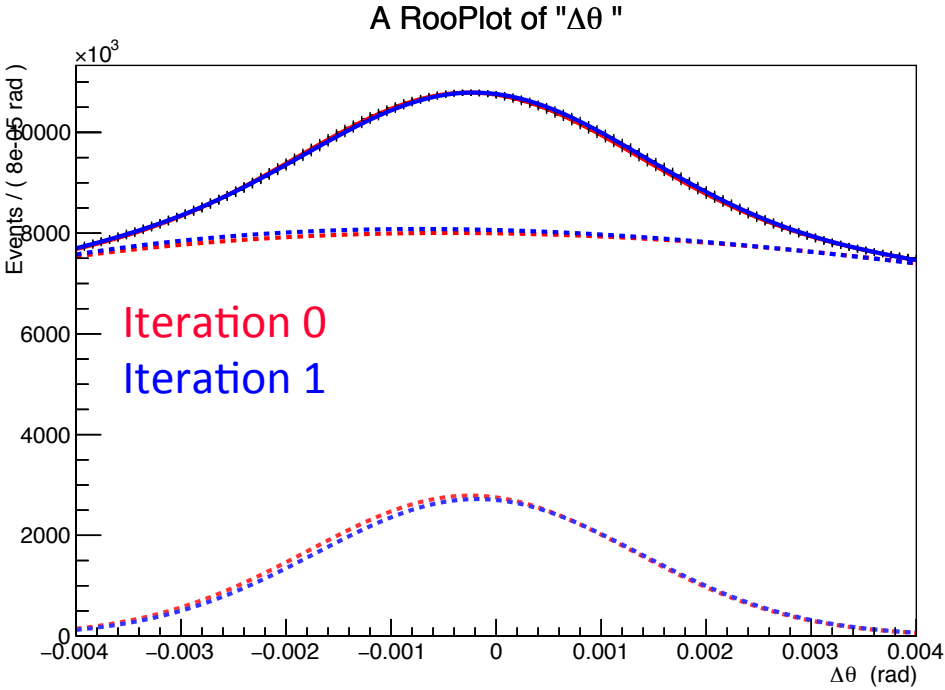
Mag UP

Cherenkov angle resolution

Iteration 0 `0.00154407 +/- 3.08081e-06`

Iteration 1 `0.00153495 +/- 3.03256e-06`

From Chris' plot ~1.67 mrad



Ambiguous + unambiguous photons in the alignment selection, not the same as Chis has!!!!

Is our selection cutting out some effect?