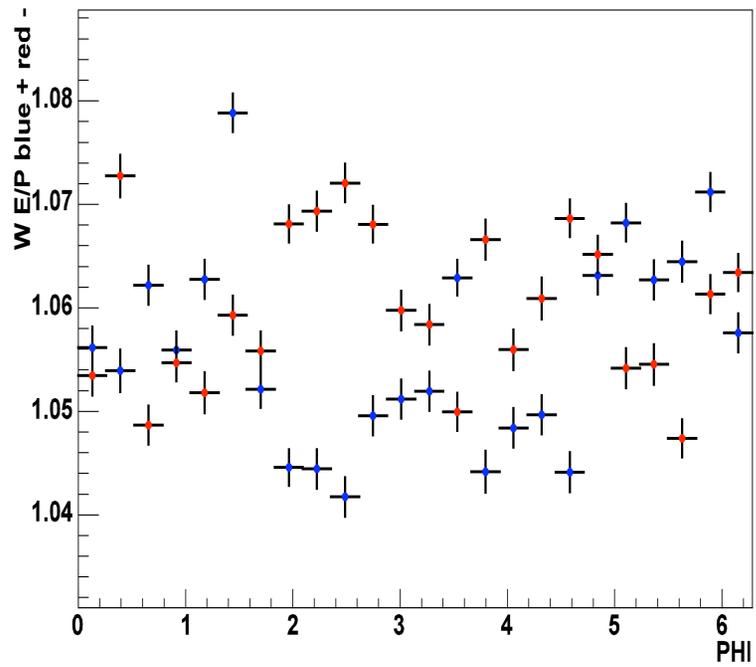


COT straightening for 5.1.1

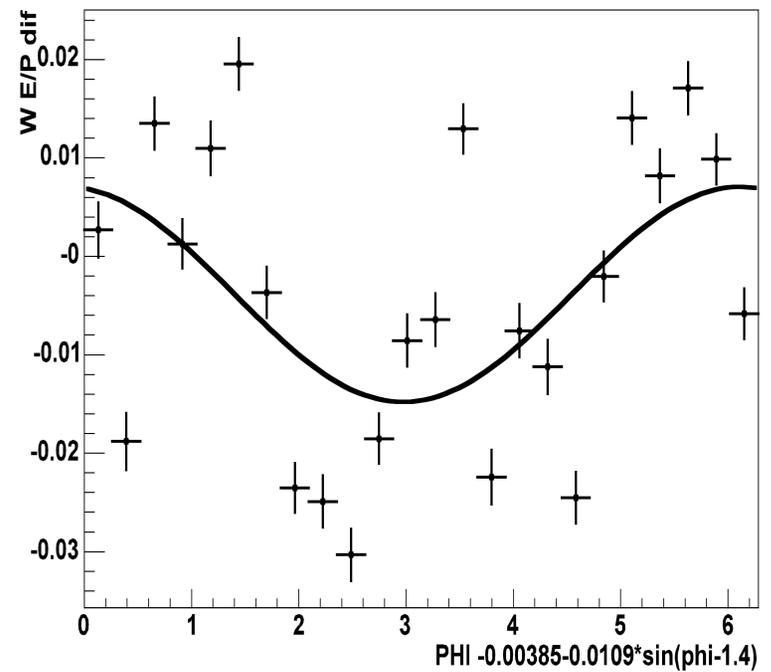
- Looked at 5.1 processed blpc
- Lots of CEM calibration issues ...
- As advertised, phi view is much improved
- Z view got worse, ignored previously, bigger in 5.1
- Cot**2 dependence – coherent rotation of wire supports??
- Fits illustrate, iterate till output $< 1 \sigma$
- $P_{inv} = - (.000028 + .00008\cot - .00023\cot^2 - .00016(\sin(\phi - 1.4)))$ note: constant sign reverses if no \cot^2
- $= +.00022(\sin(3\phi + .9))$ as big as any, nobody too bad
- Notable cot by quadrant (fix?), small z0 effects

Phi plots

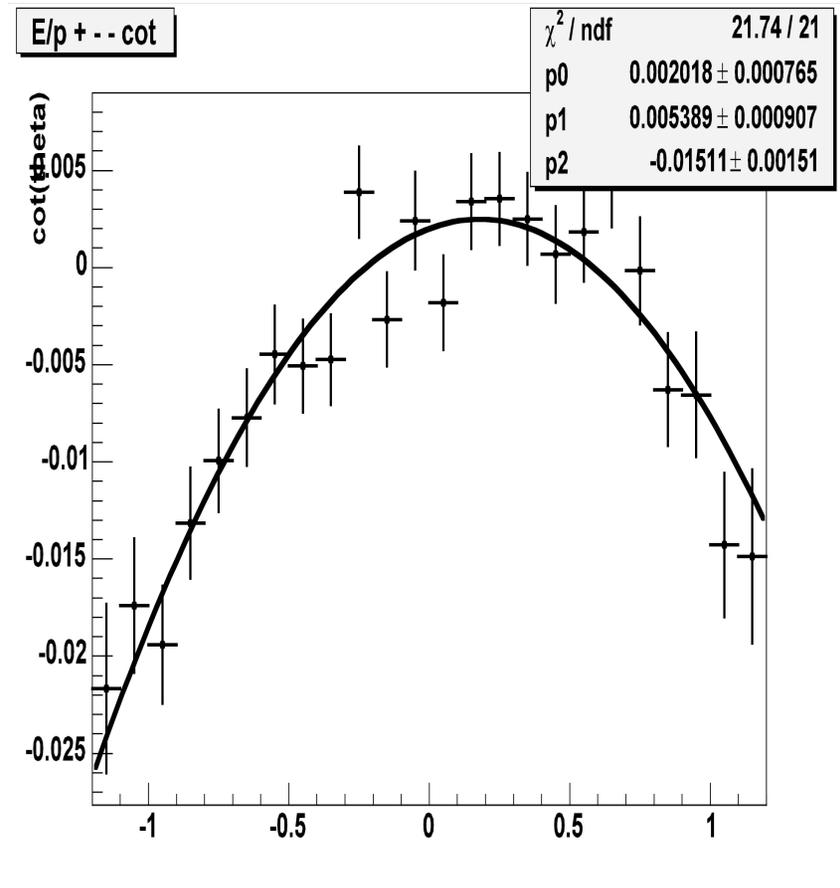
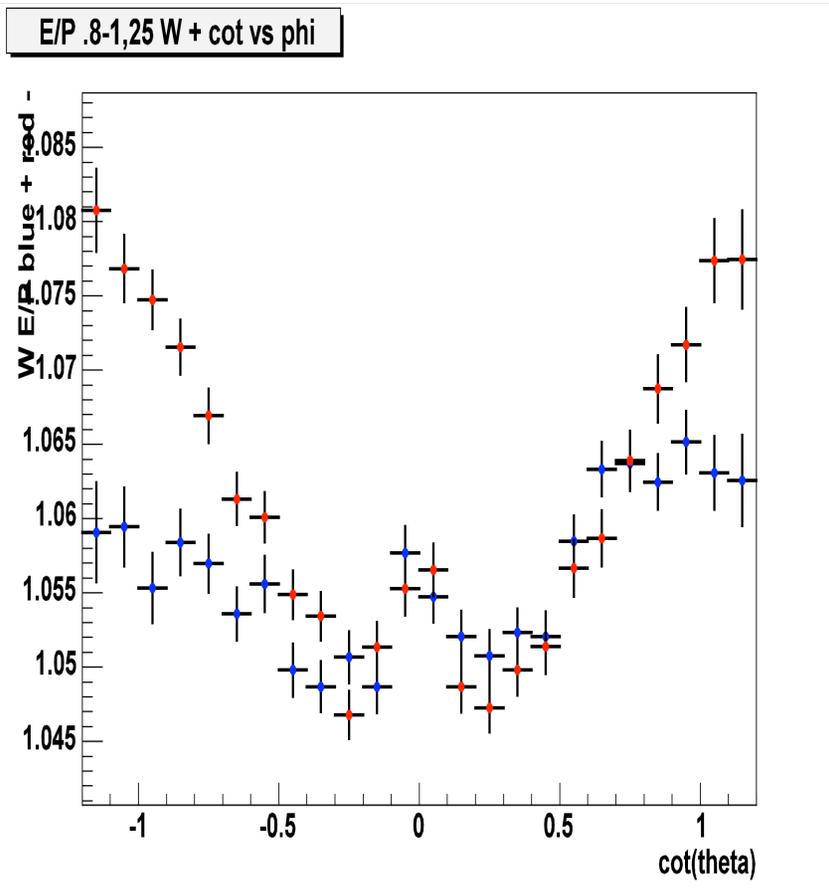
E/P .8-1,25 W + cot vs phi



E/p + - - phi

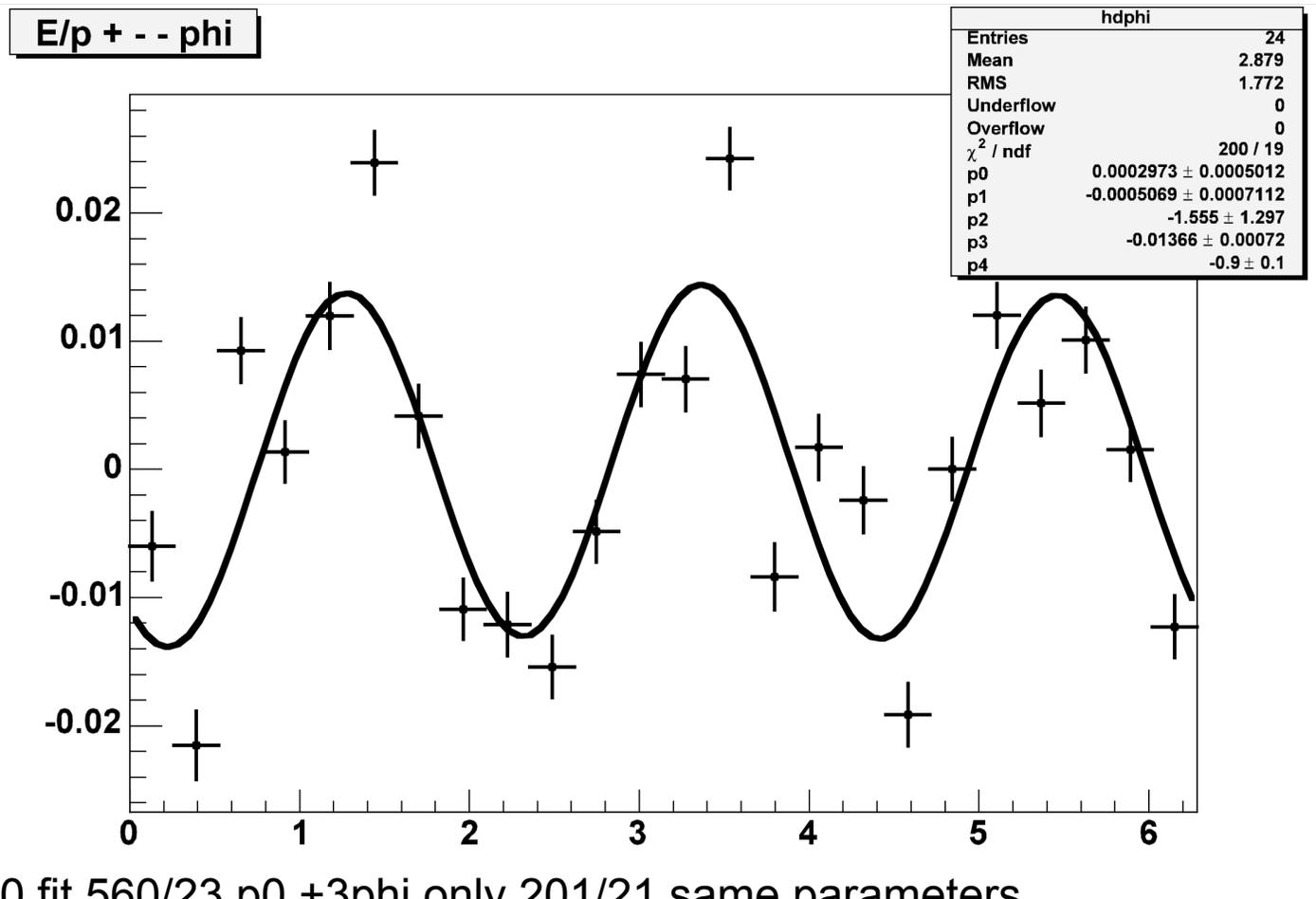


Cot plots

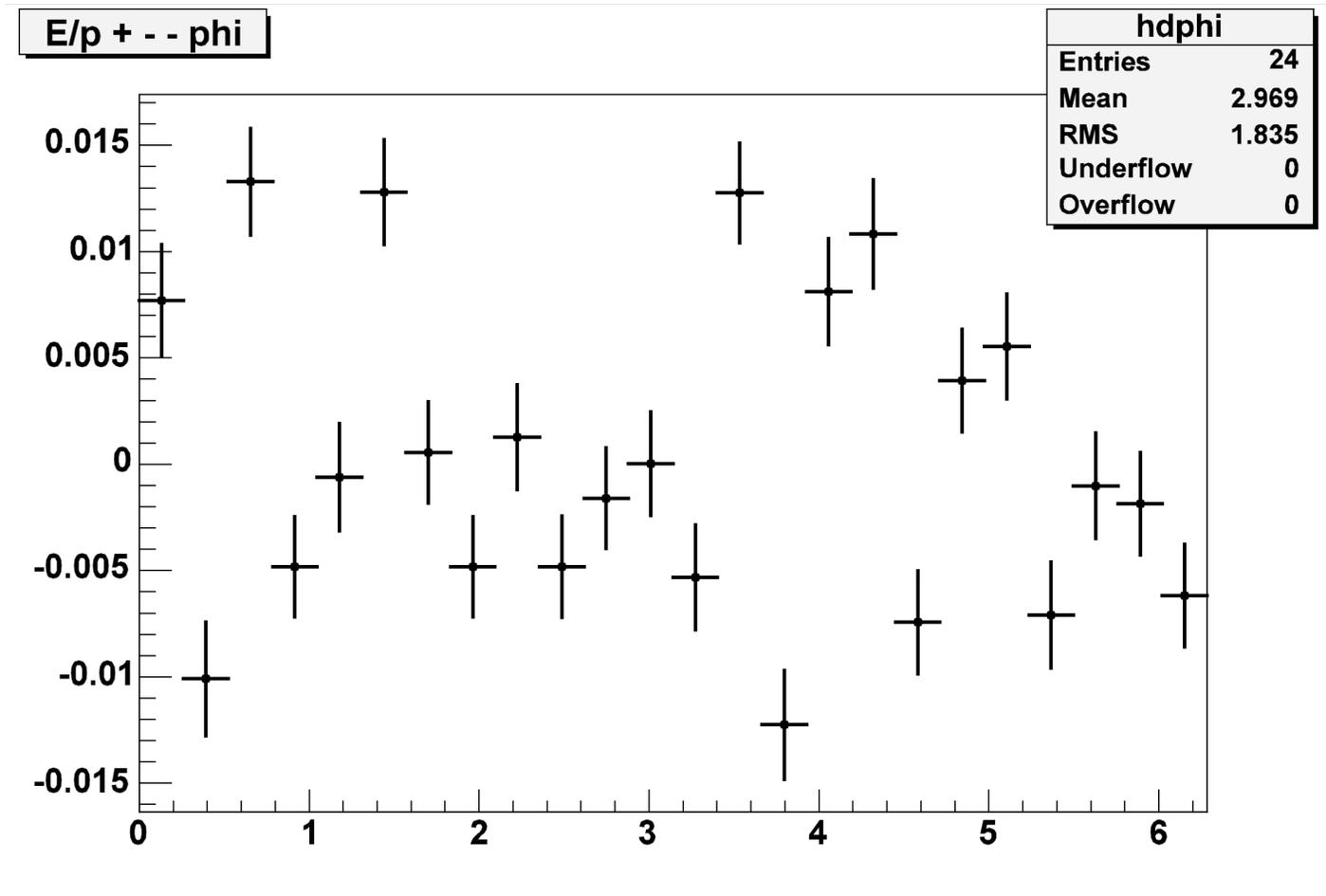


Bump in the middle is artifact of calibrating with fakes (tower 0 leakage)

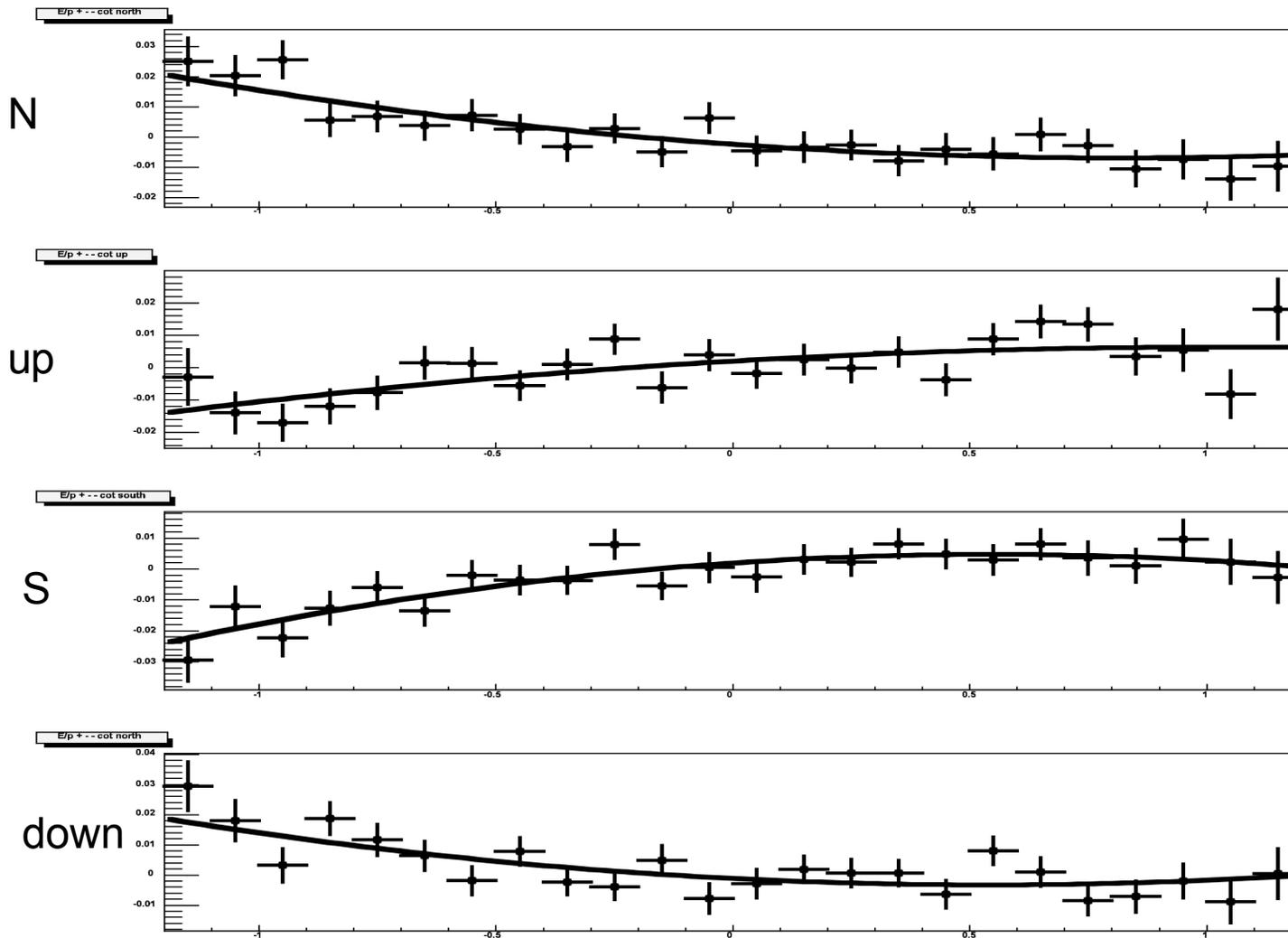
Residual 3 phi & errors



What's left – finer bins?

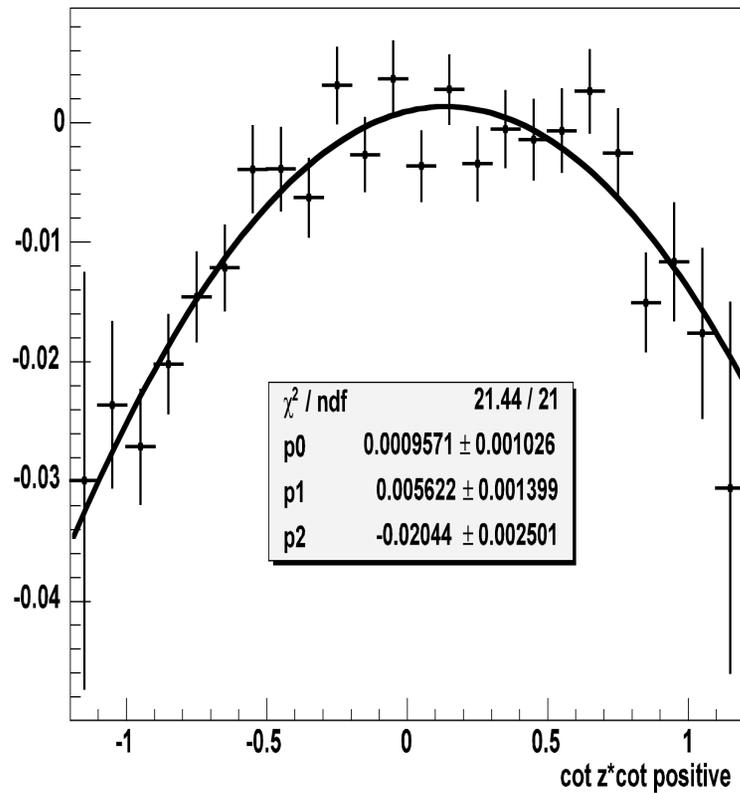


Look at cot in phi quadrants

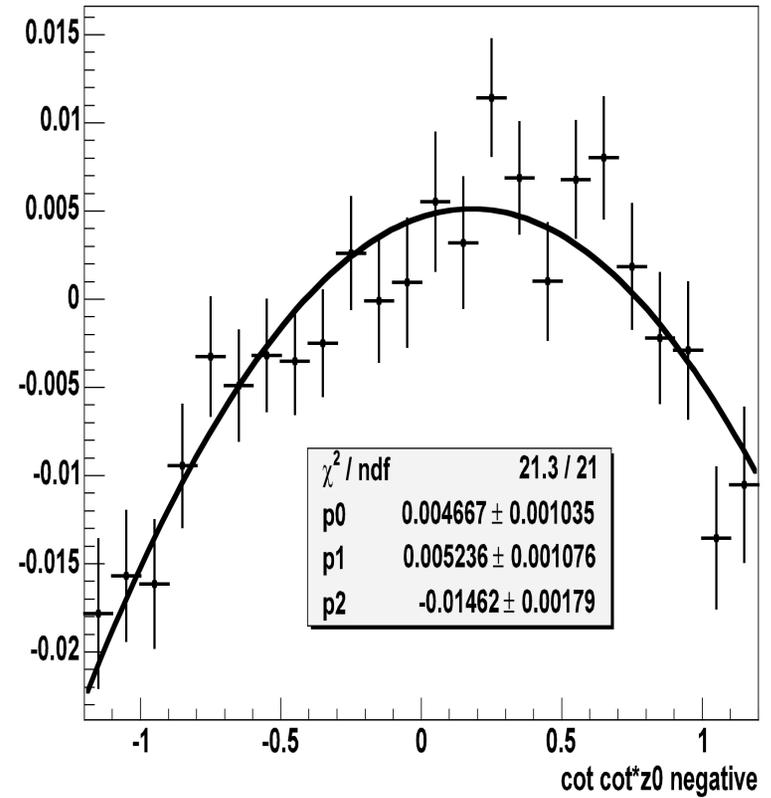


Does cot care about $z_0=0$?

E/p + -- cot



E/p + -- cot



Z0 effect? Residual?

