

1.5mm SVT Alignment

Pelle

1.5mm run alignment

New 1.5mm detector based on HPS-EngRun2015-Nominal-v3-4-fieldmap

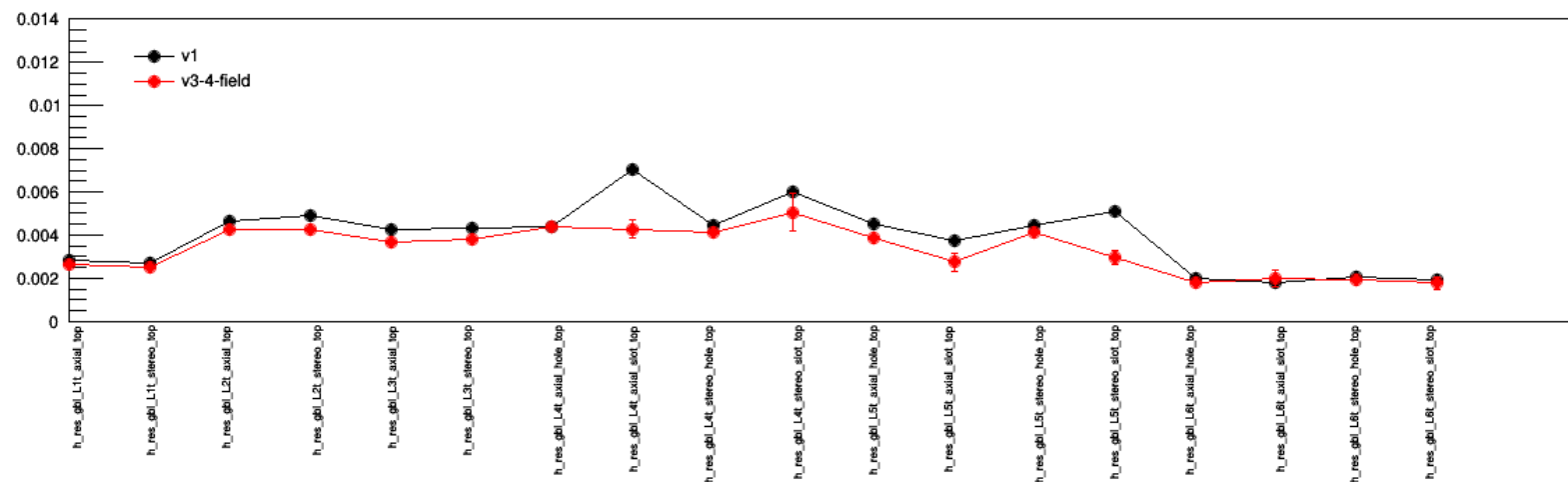
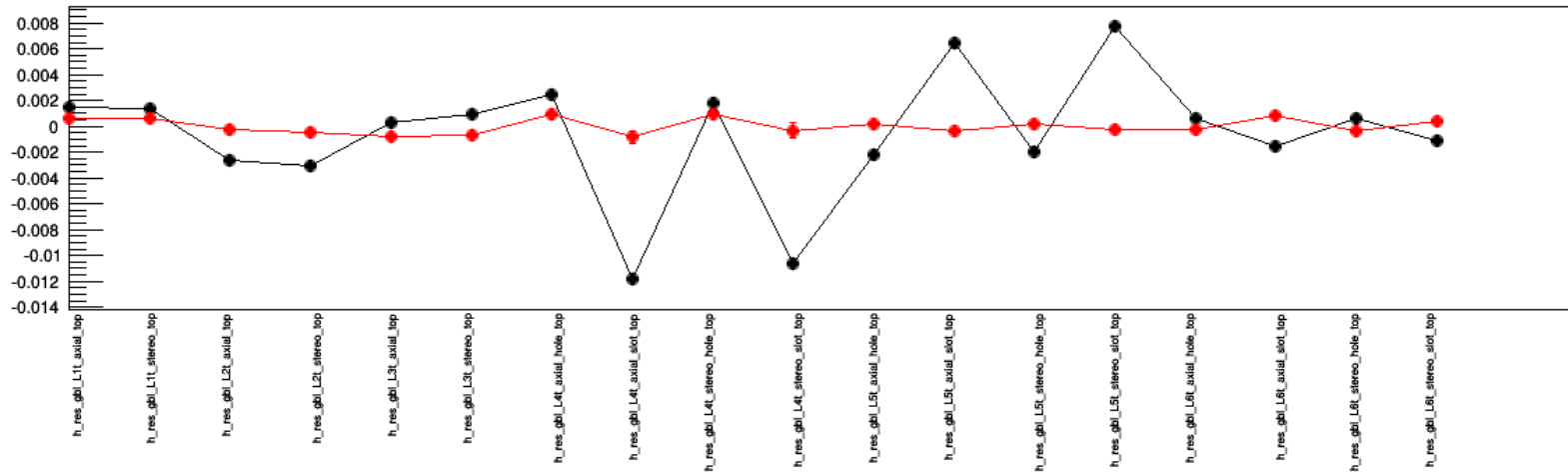
Same internal alignment, different opening angle.

Compare to 1.5mm v1 detector

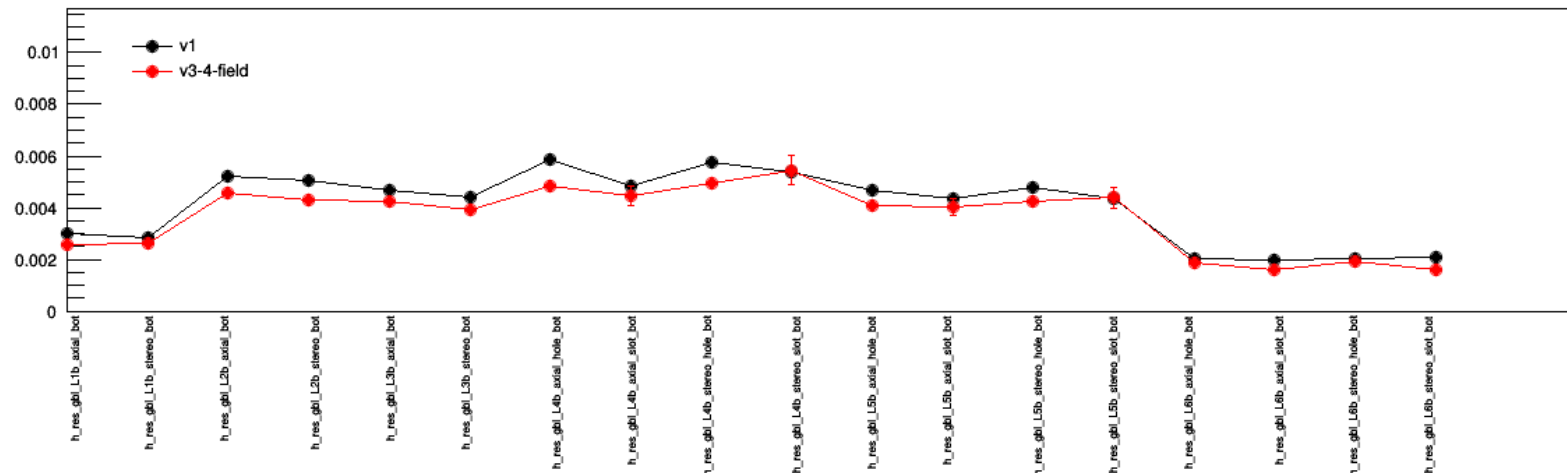
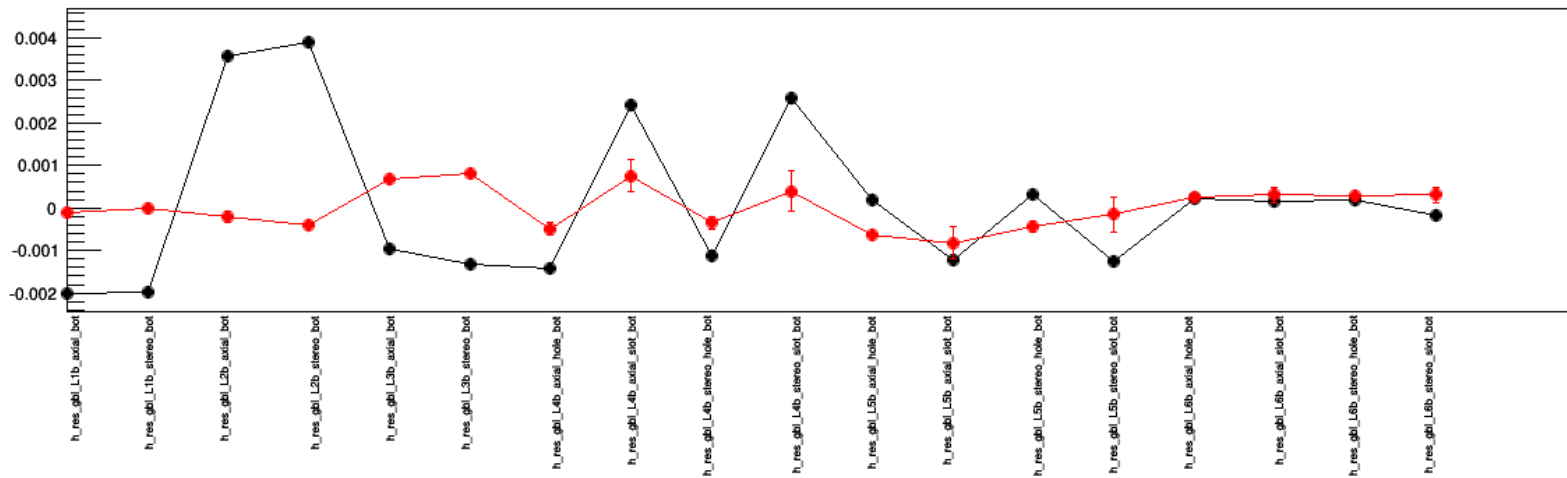
- Run 5611
- Few k' tracks
- Hits in all six layers

All coordinates in tracking frame

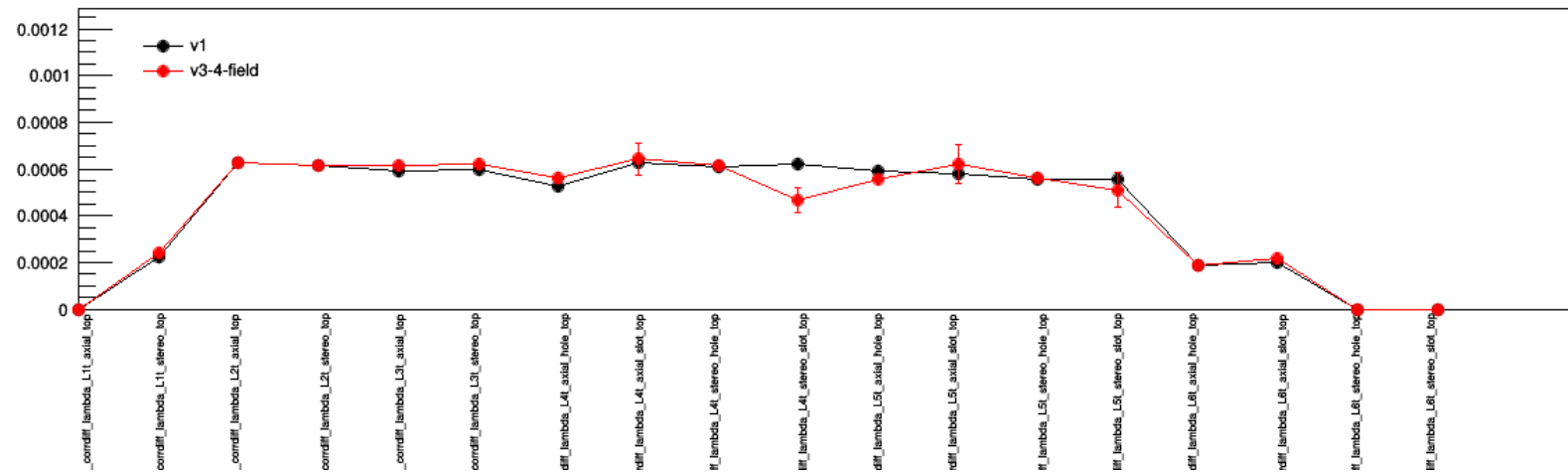
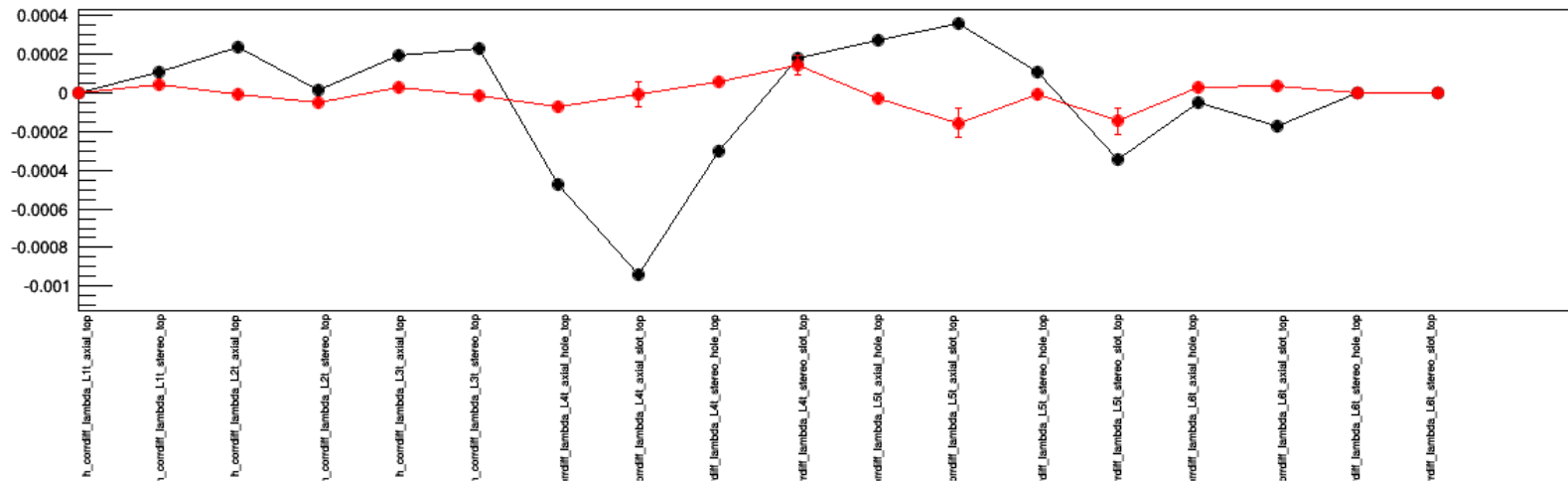
GBL Residuals top



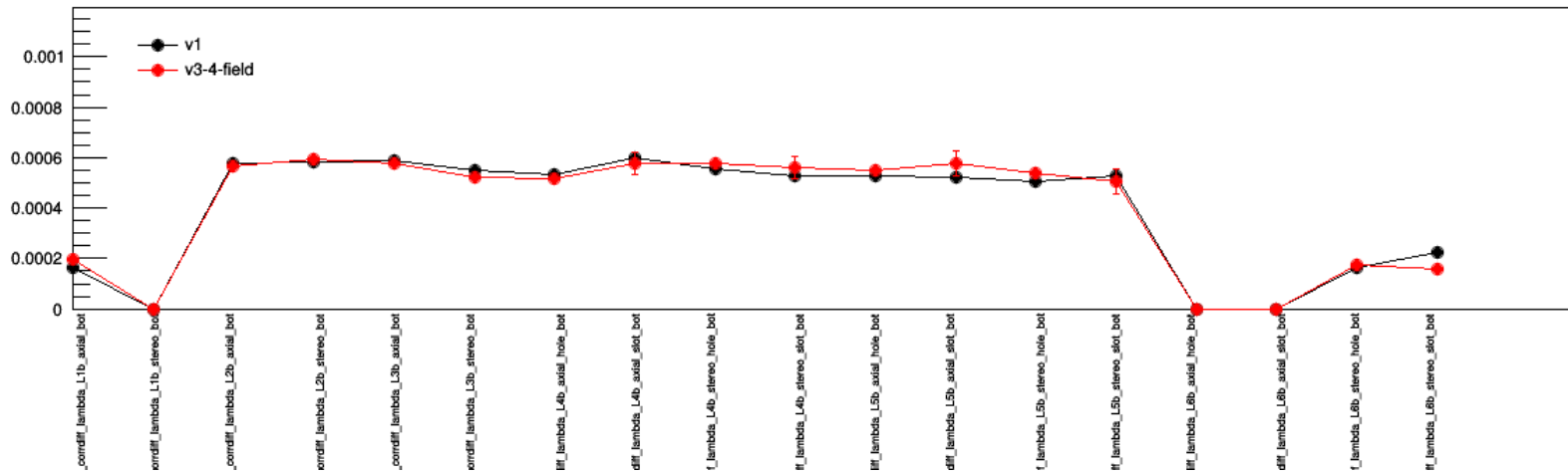
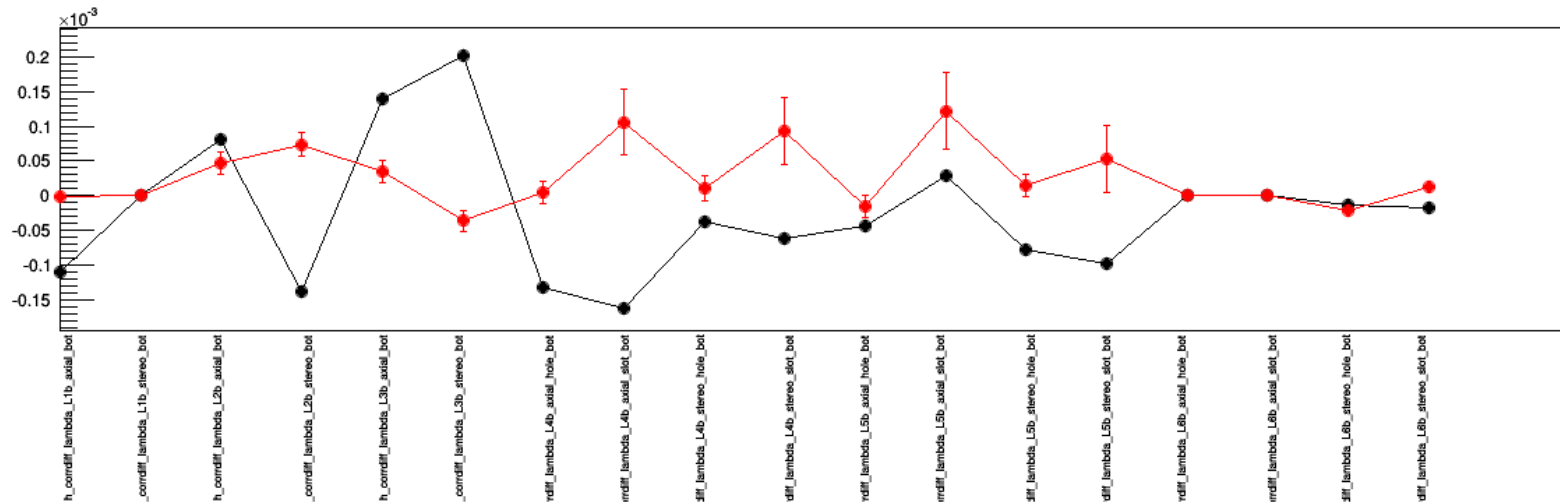
GBL Residuals bottom



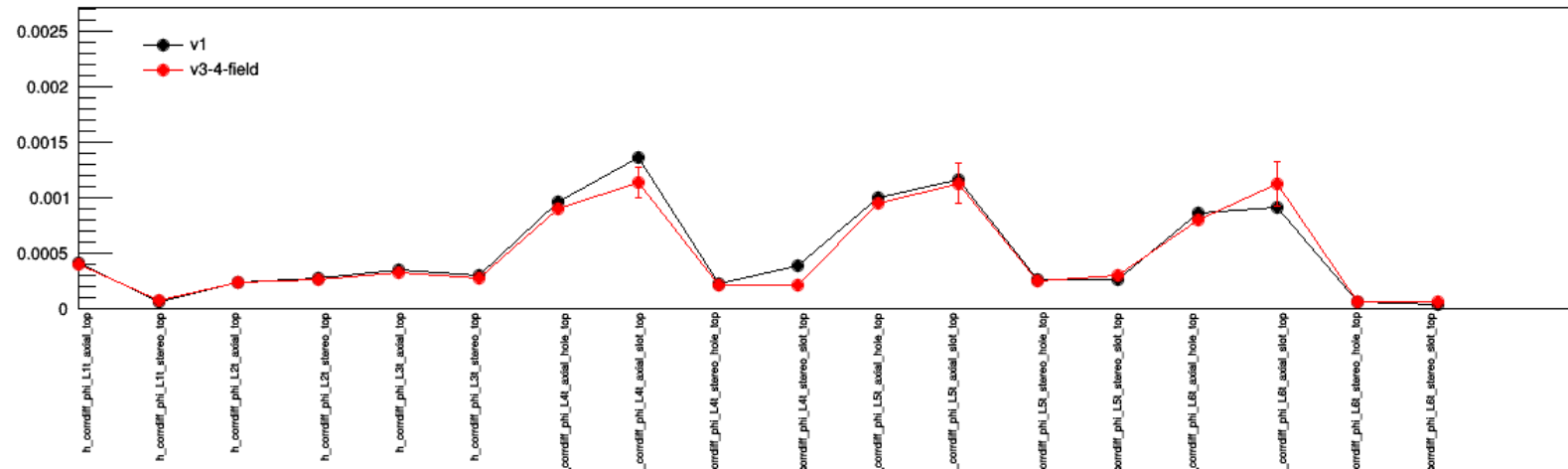
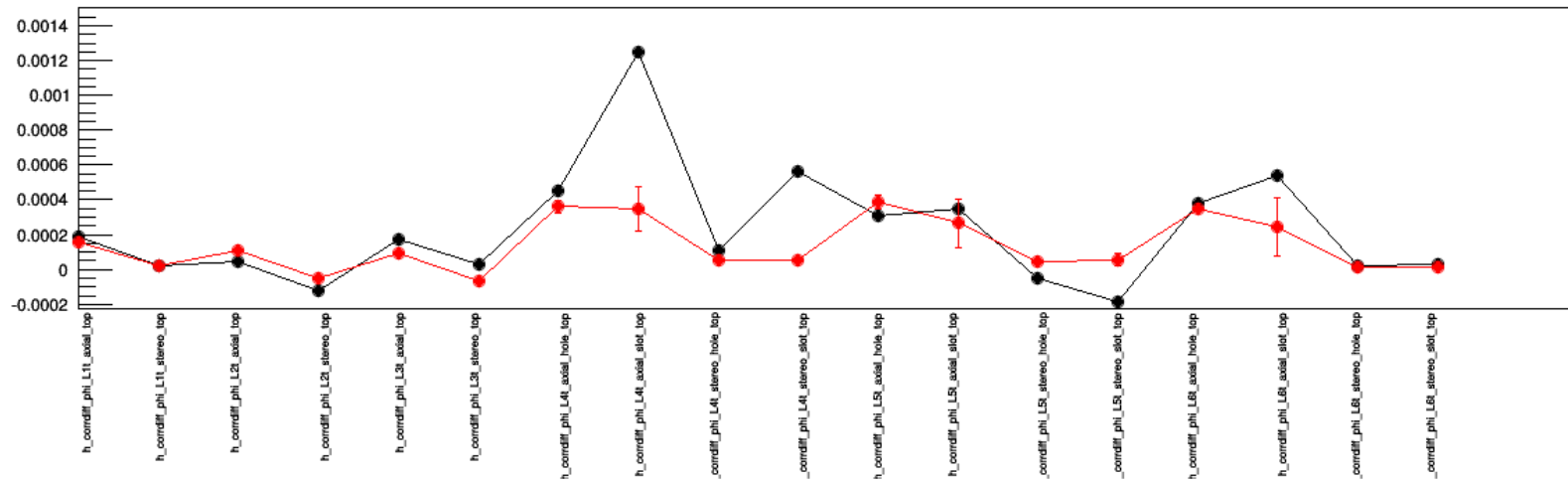
GBL Kinks lambda top



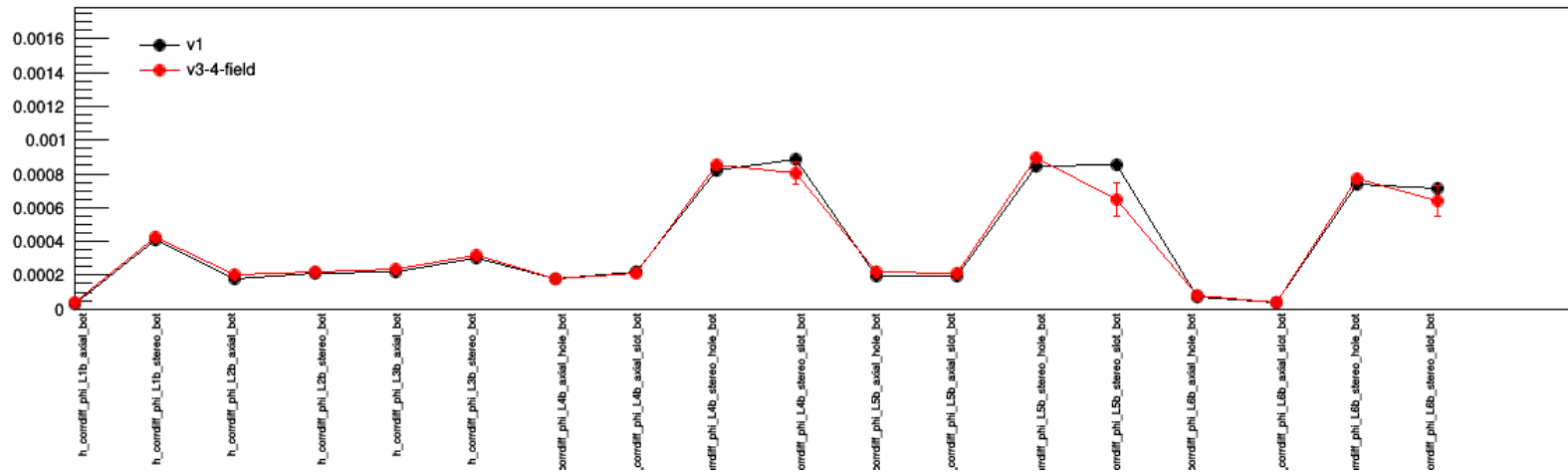
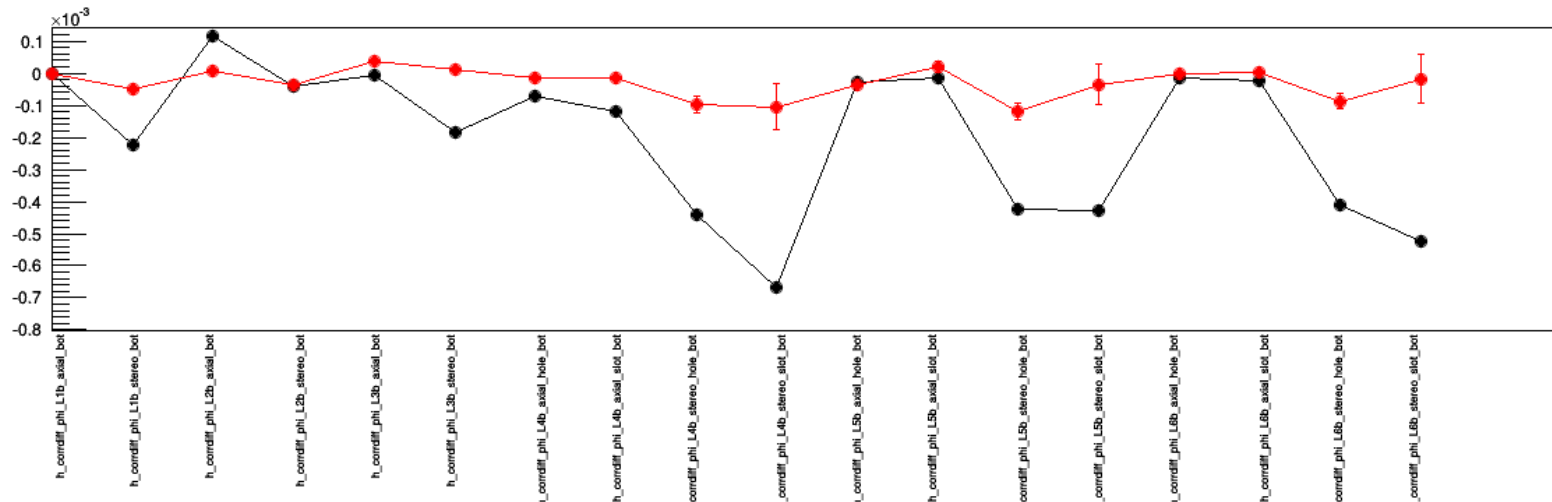
GBL Kinks lambda bottom



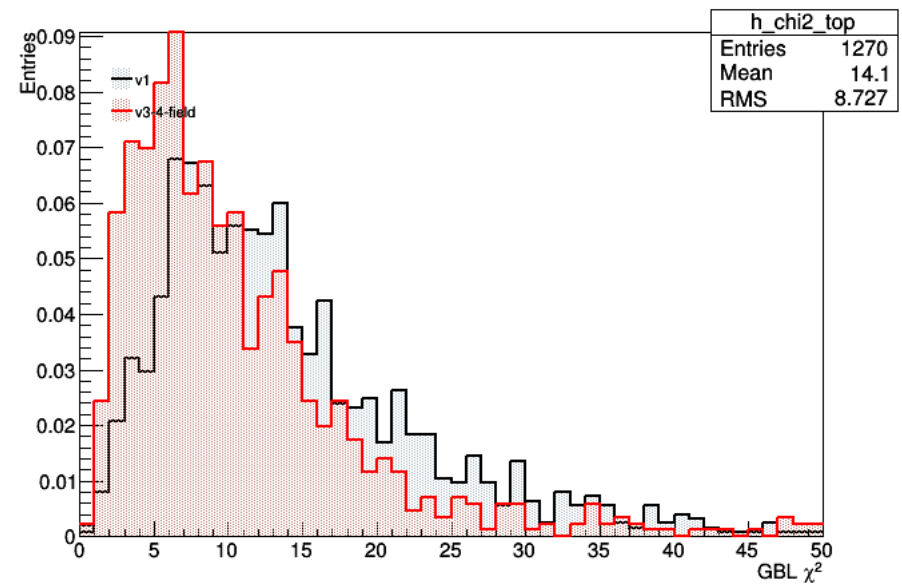
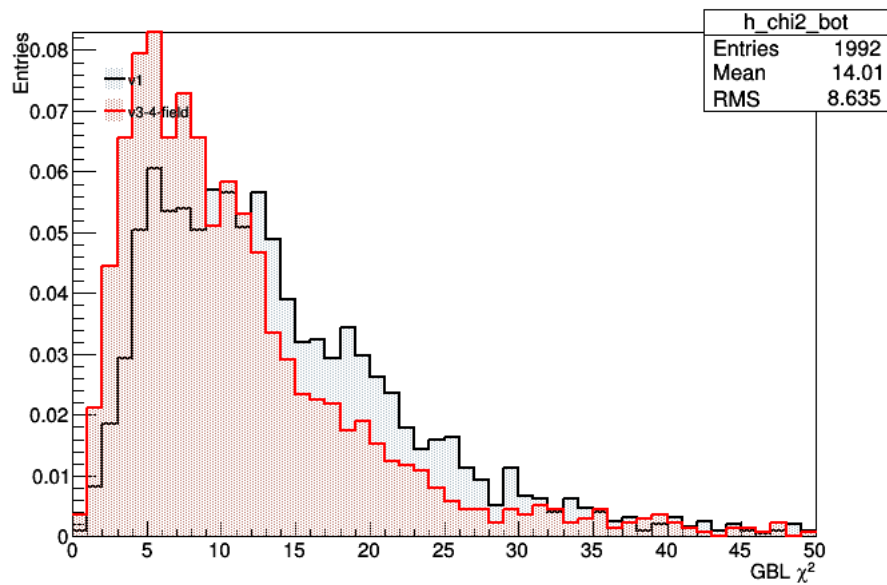
GBL Kinks phi top



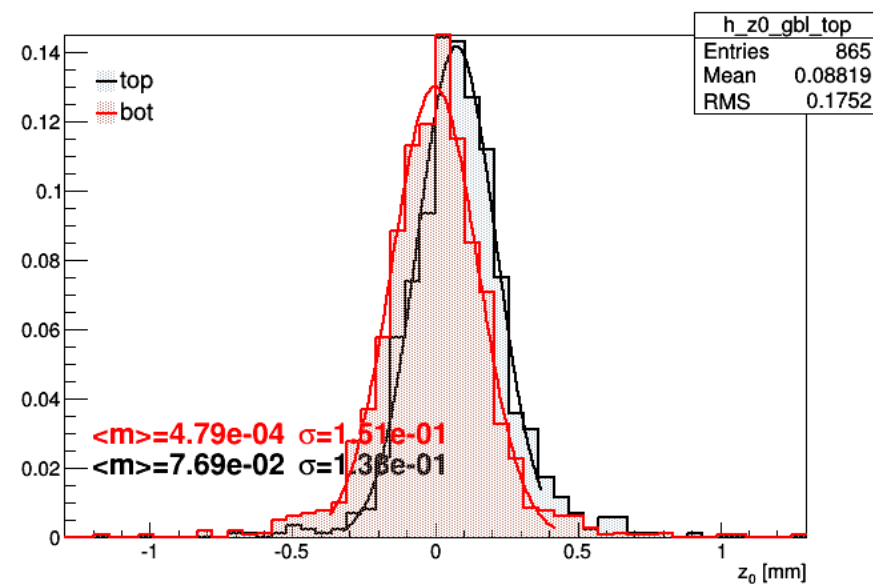
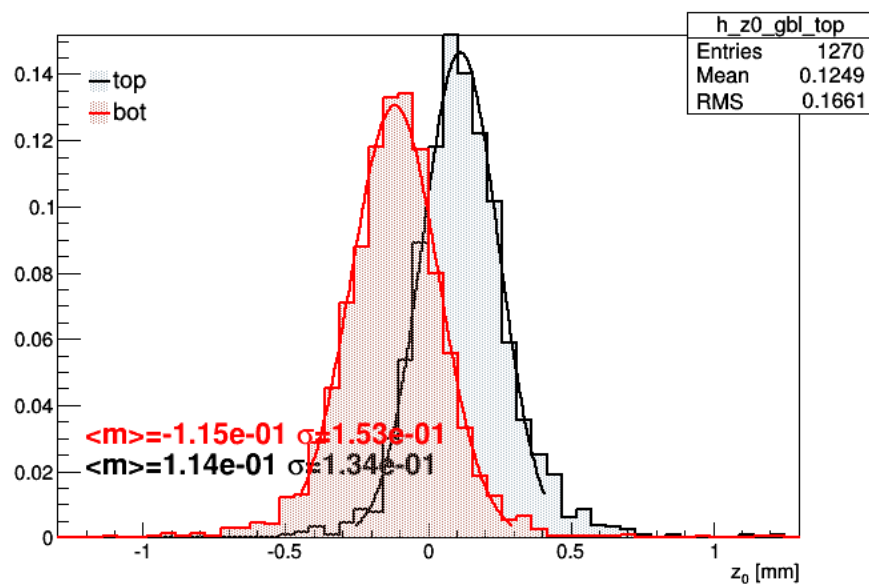
GBL Kinks phi bottom



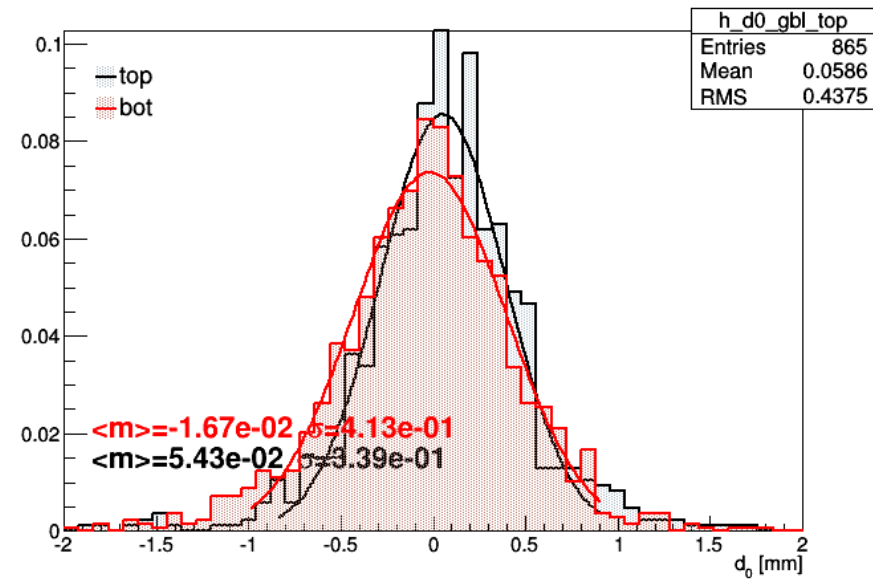
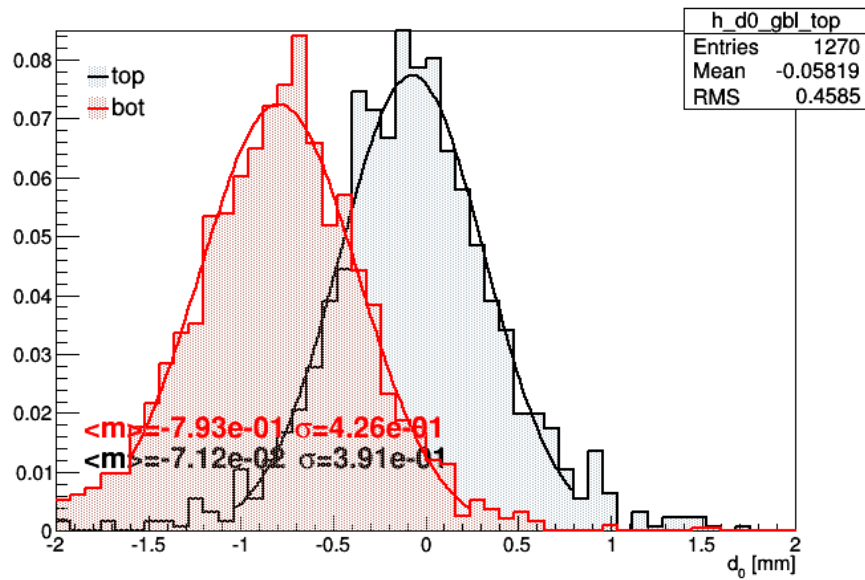
Fit quality



z0 (v1-left)



d0 (v1-left)



Momentum distribution

