1. Trigger Timing check
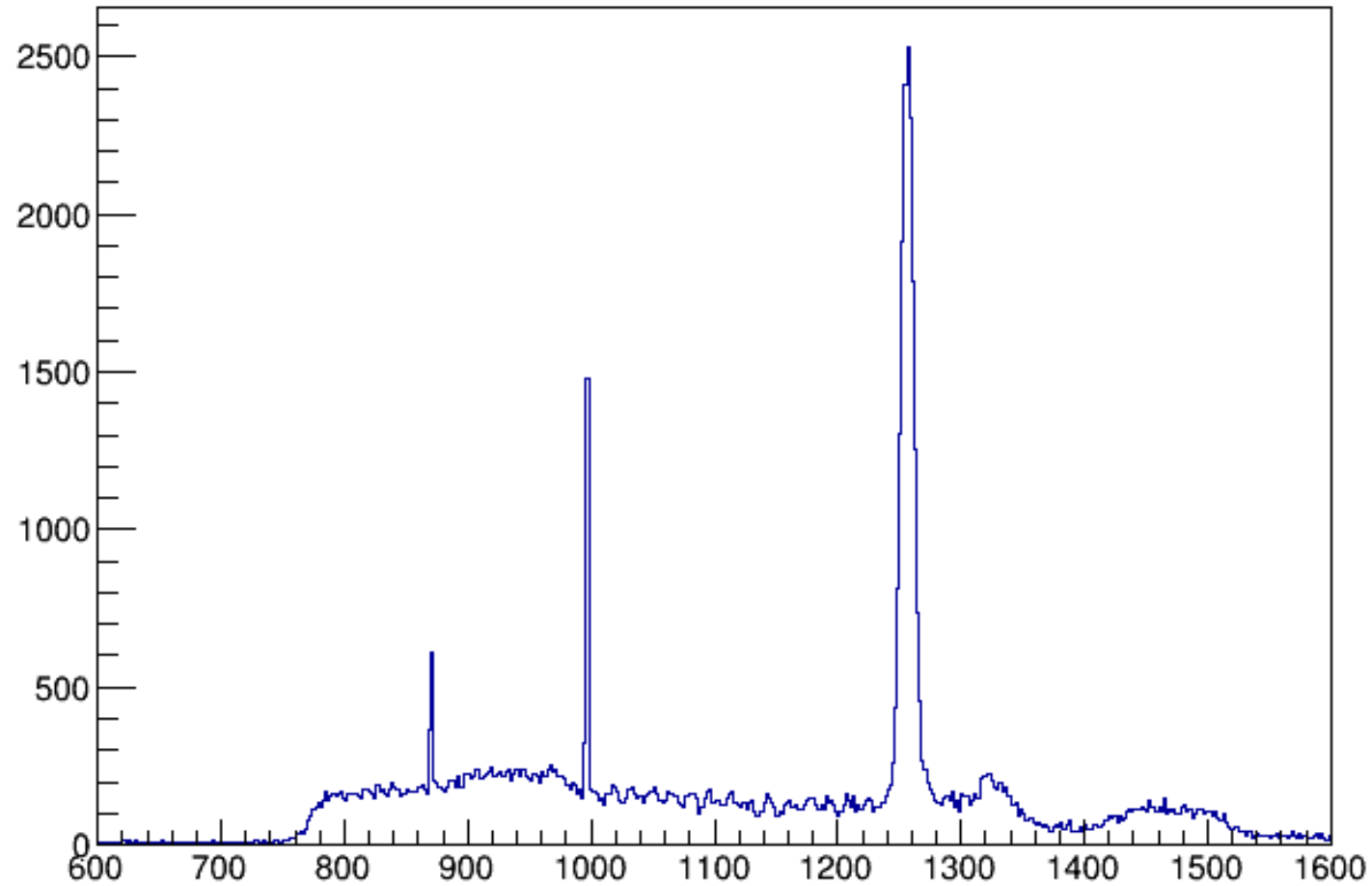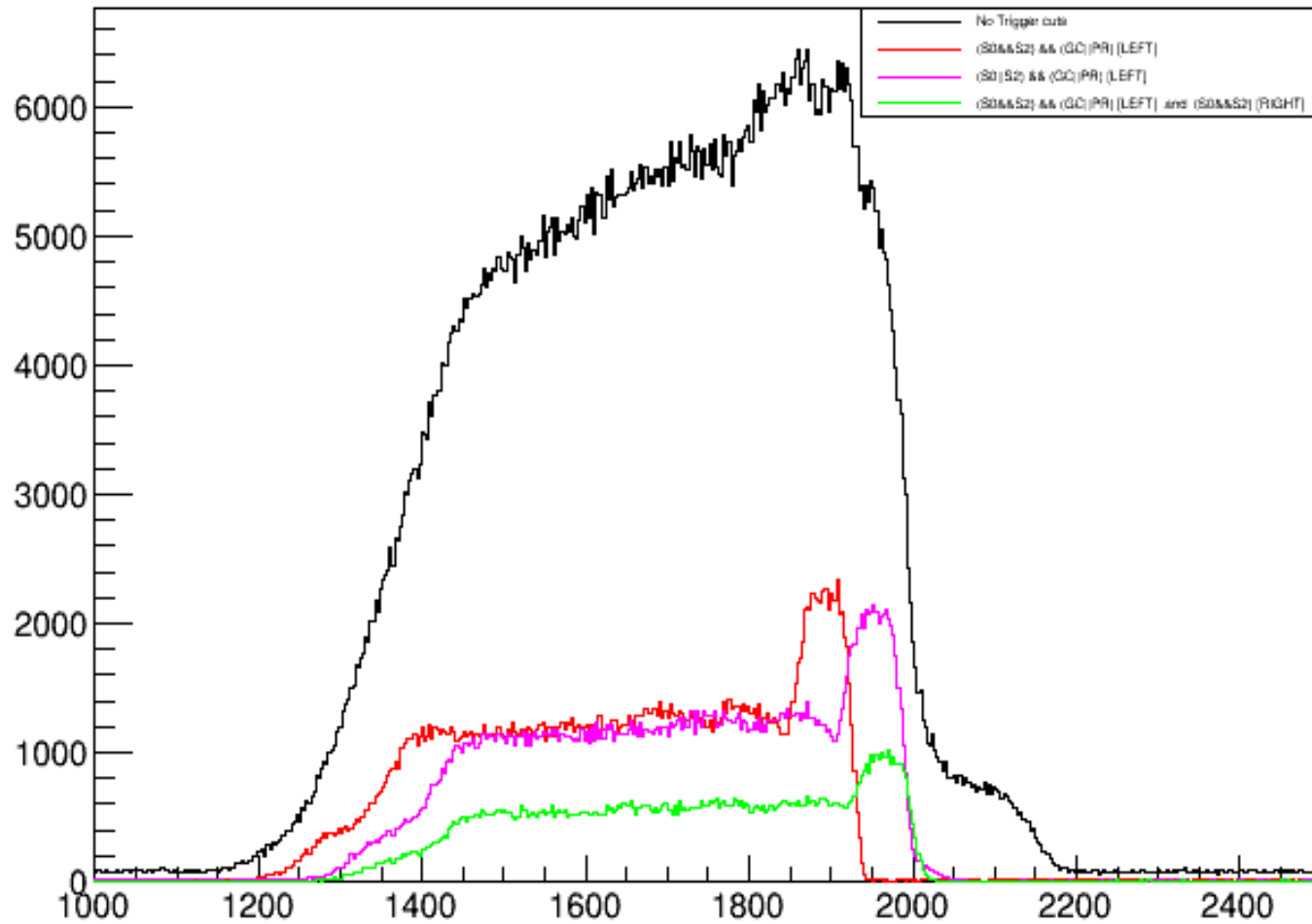
Left arm: Run: 405

(L.s0.lt[0]-R.s0.lt[0]+DR.Retiming_L[0])
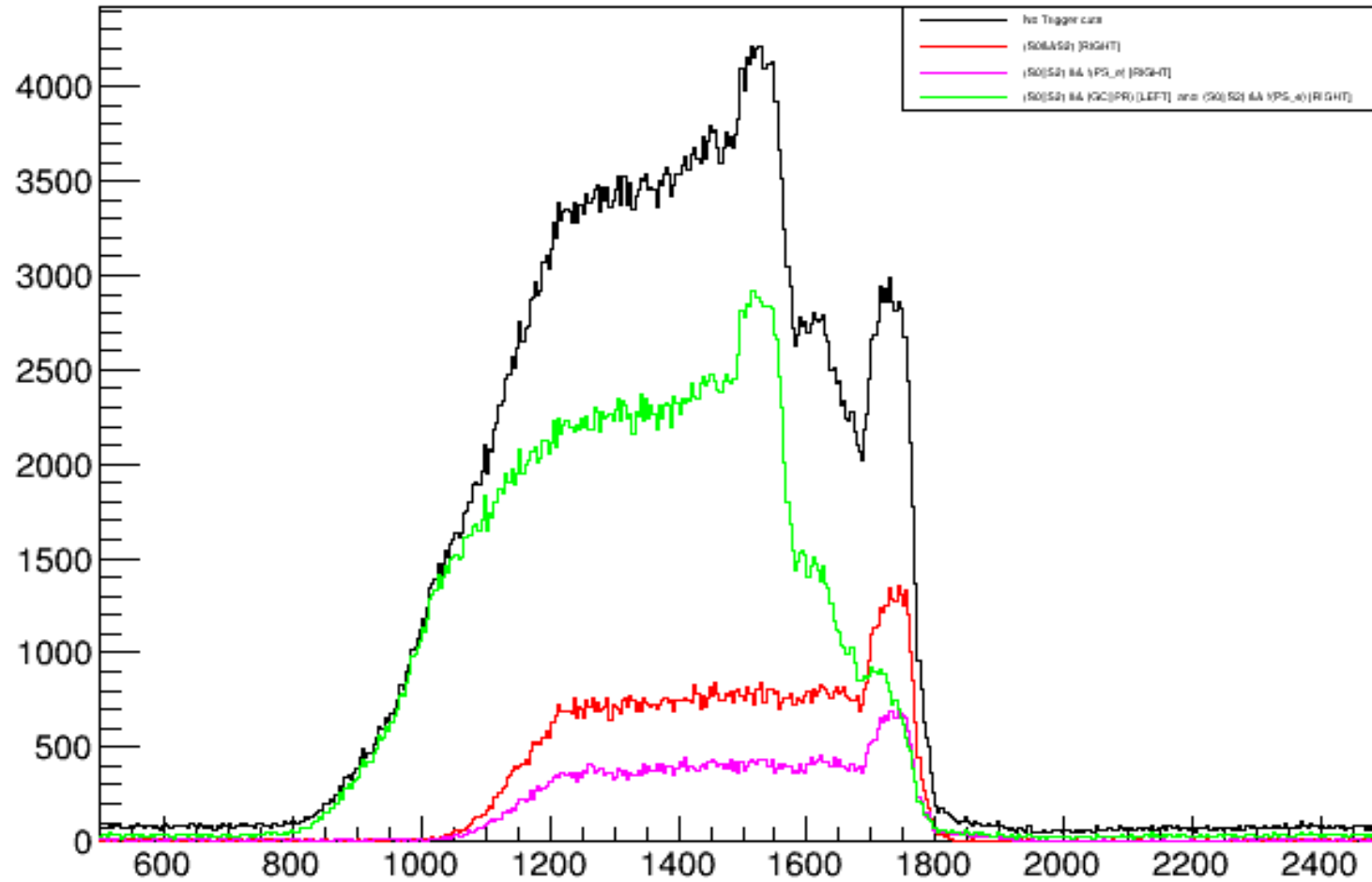
Drift time on the Left with different Trigger cuts and RT cuts
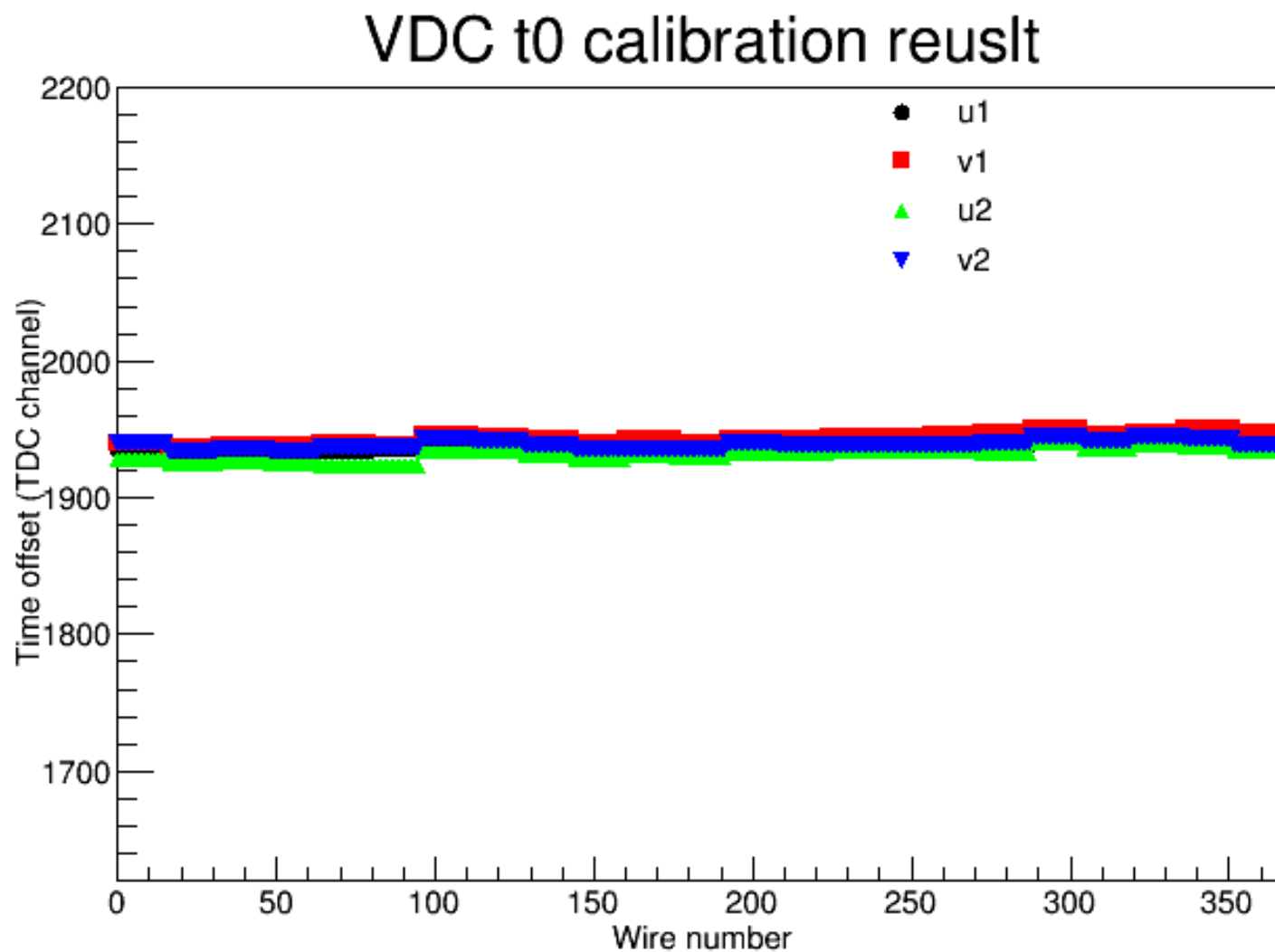
L.vdc.u1.rawtime

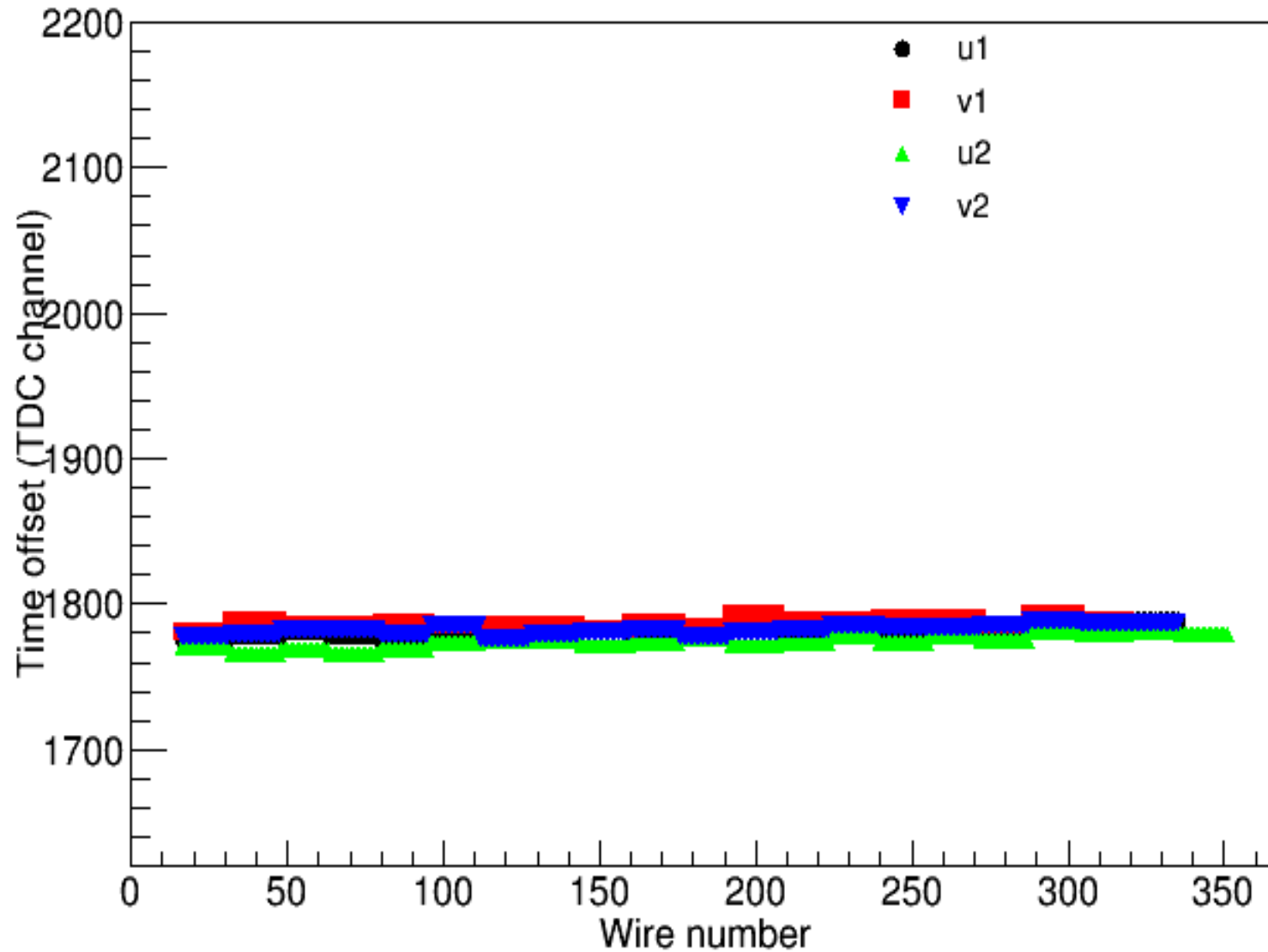Drift time on the Right with different trigger cuts

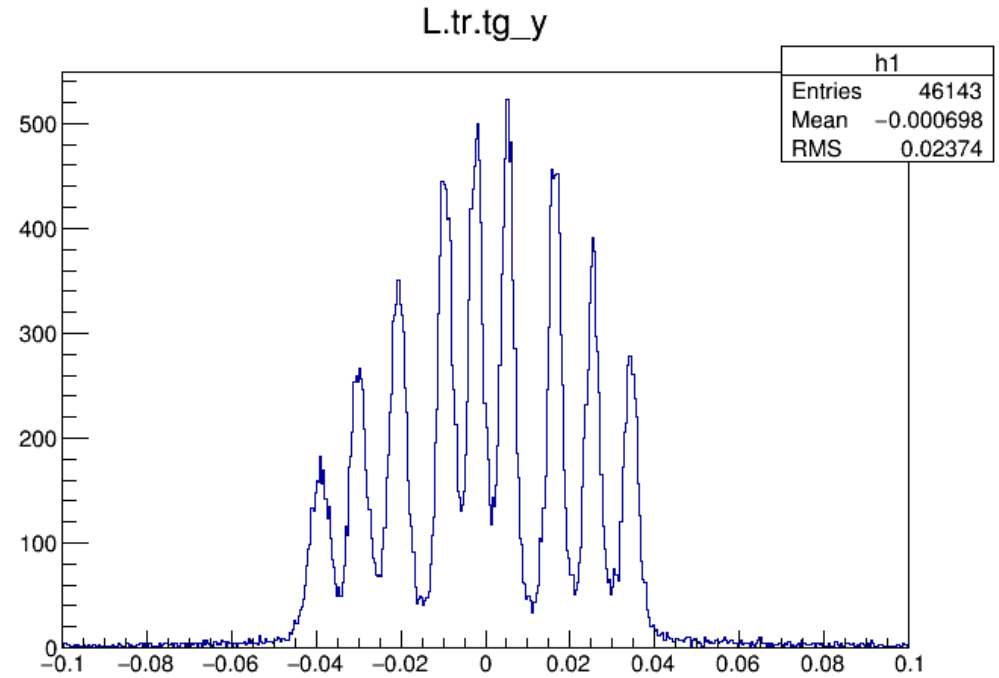R.vdc.u1.rawtime

VDC T0 calibration using the run 405 on the Left:

VDC t0 calibration reuslt

VDC T0 calibration for Right using run 405
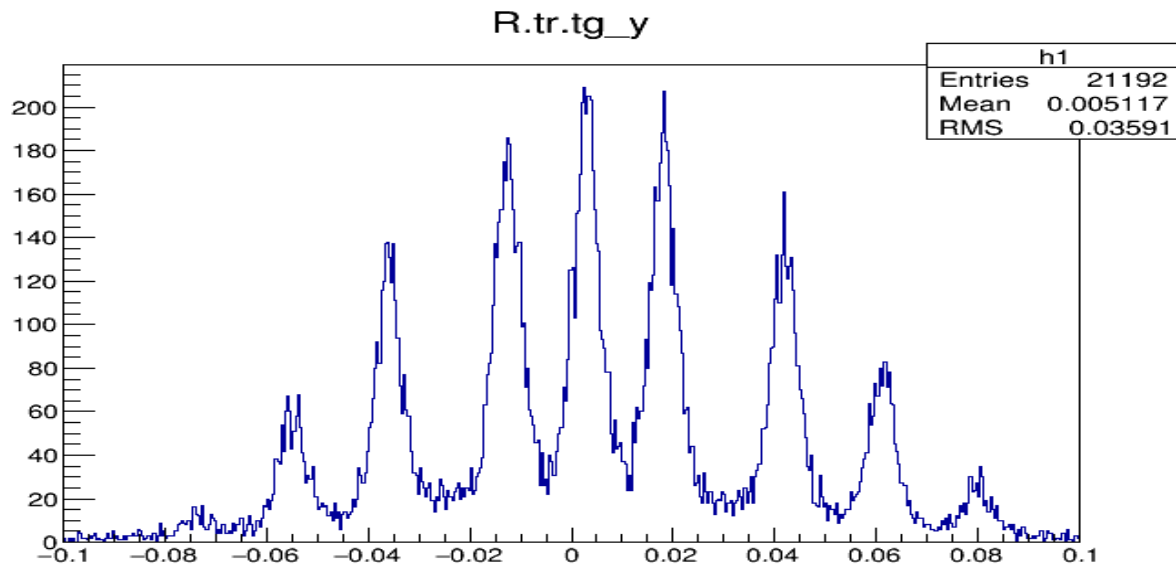
Updated the DB and check the multiple foils run: 375

Angle = 21.5

Left:

Before calibration

After calibration

L.tr.tg_y

h	
Entries	174754
Mean	−0.0008023
RMS	0.02435

L.tr.tg_y

h1	
Entries	46143
Mean	−0.000698
RMS	0.02374

Right

R.tr.tg_y

h1	
Entries	21192
Mean	0.005117
RMS	0.03591

Mutliple Foils run 574.

Left:

L.tr.tg_y

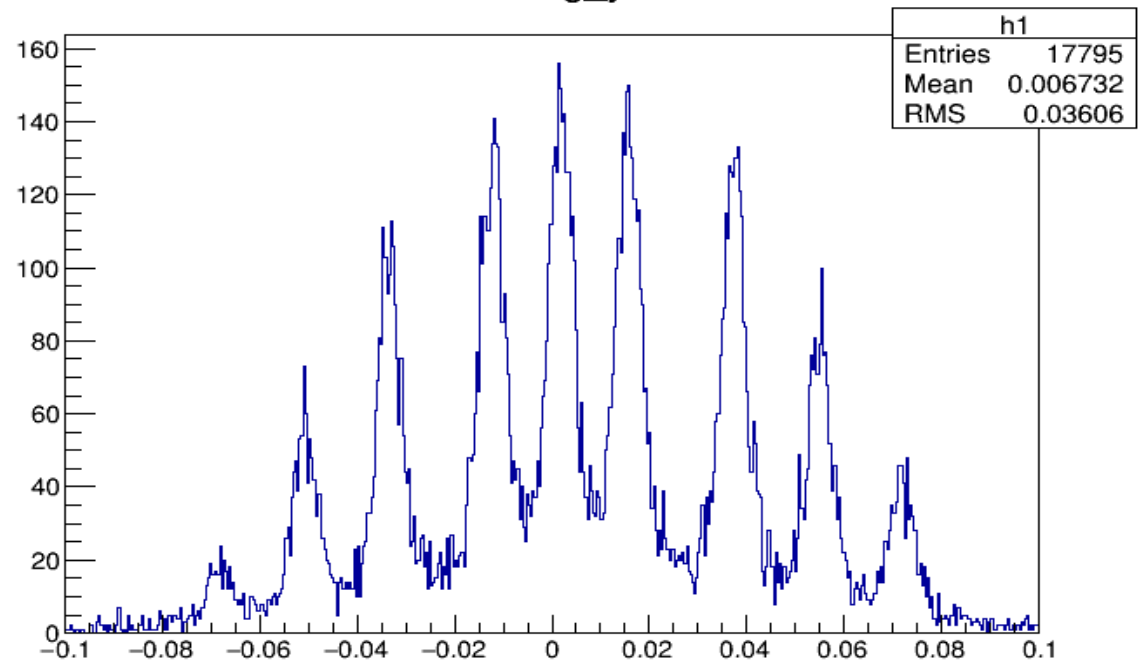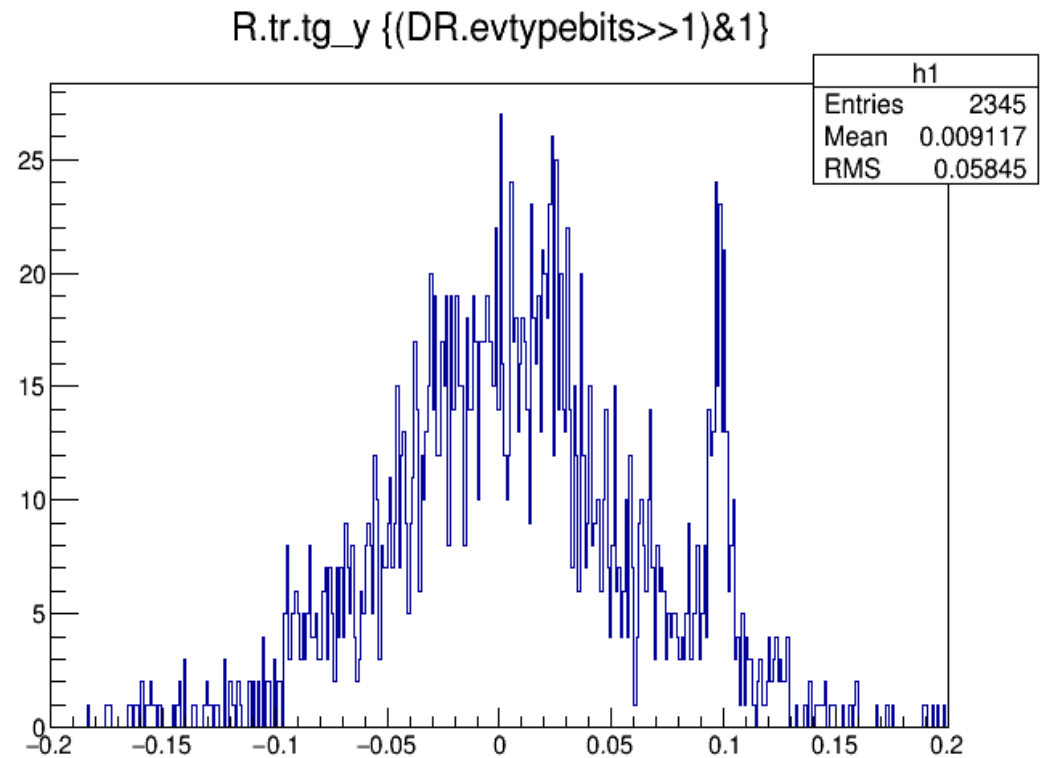| h1	
Entries	43154
Mean	−0.001304
RMS	0.02157
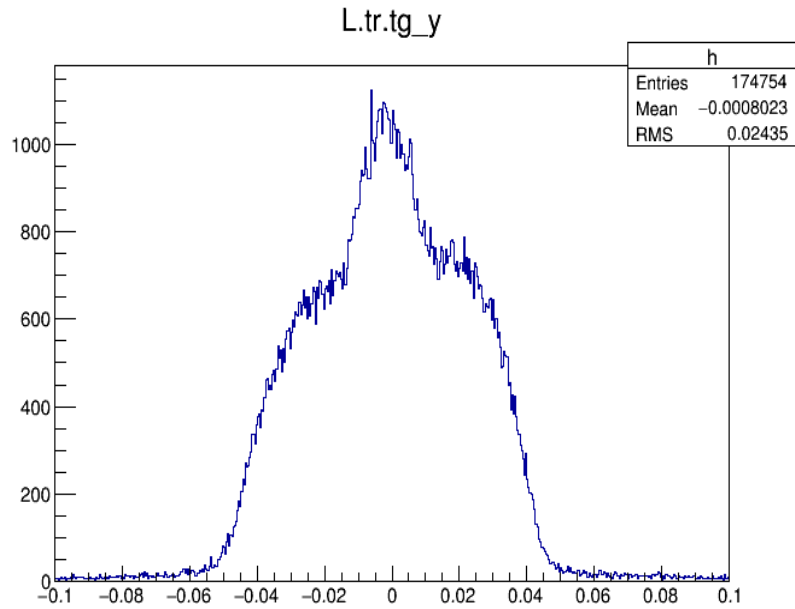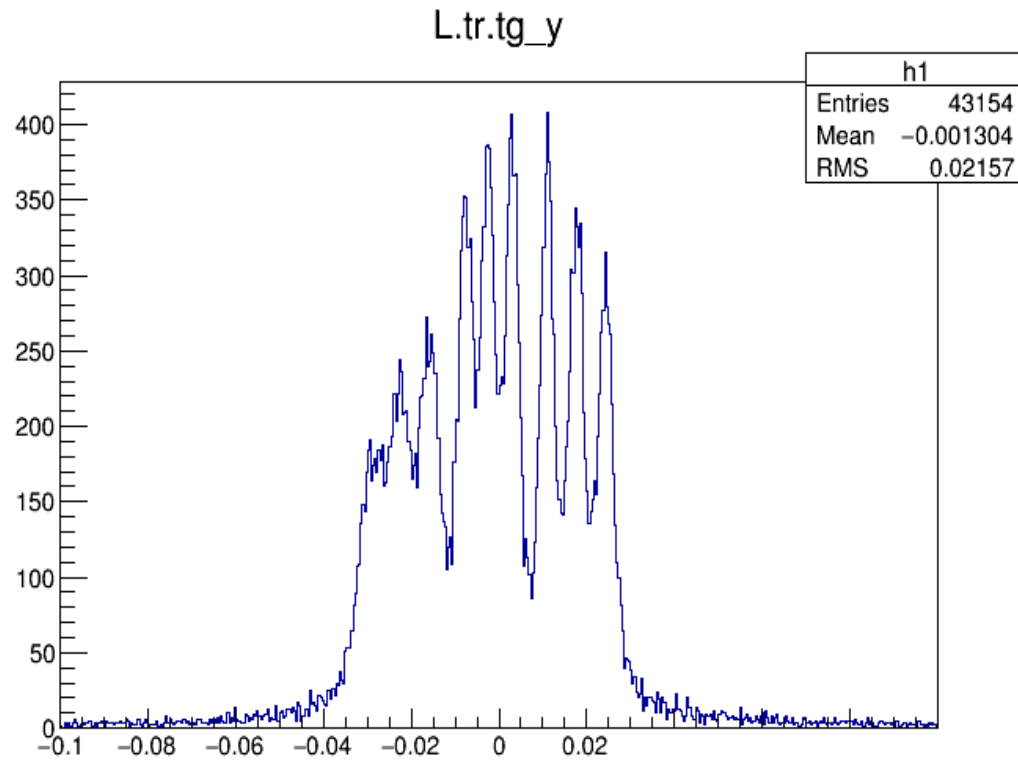
Angle = 15.53

Right_arm

-To calibration on the Left
not very good yet.
need to check the timing
and redo it?

-or just because of small
angle?

R.tr.tg_y

h1	
Entries	17795
Mean	0.006732
RMS	0.03606

Check Dummy Run on left and Right Run 372:

Angle_L = 21.5 , angle_Right = 50

L.tr.tg_y {(DR.evtypebits>>1)&1}

h1	
Entries	2584
Mean	0.007906
RMS	0.05149

R.tr.tg_y {(DR.evtypebits>>1)&1}

h1	
Entries	2345
Mean	0.009117
RMS	0.05845
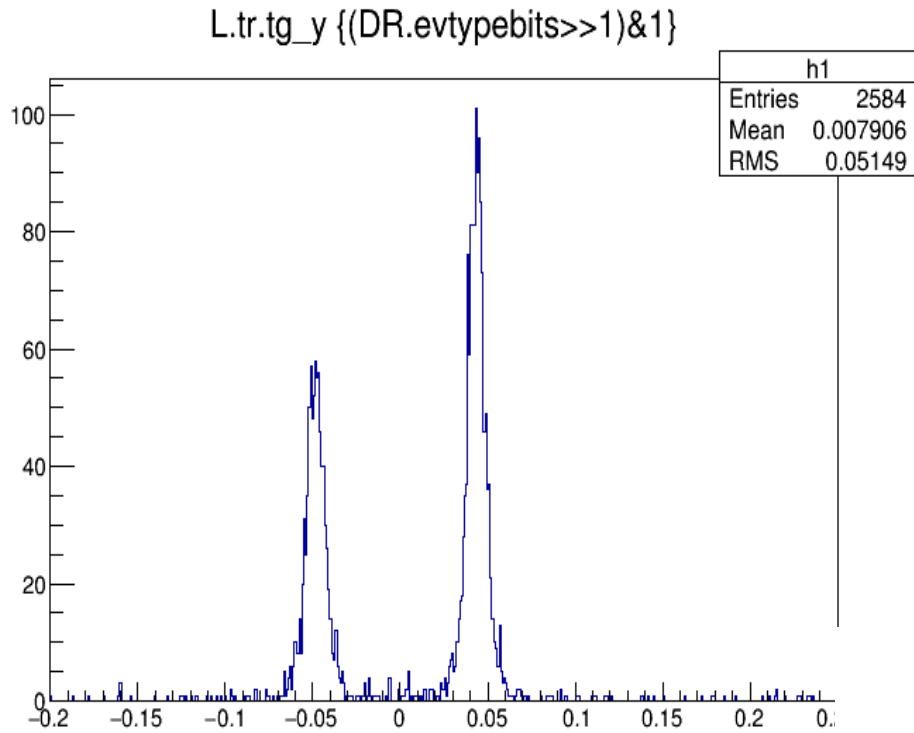
Check the Dummy run: 597:   angle_L= 15.53 , Angle_Right = 44

L.tr.tg_y {(DR.evtypebits>>1)&1}

h1	
Entries	12331
Mean	0.002425
RMS	0.03534

R.tr.tg_y {(DR.evtypebits>>1)&1}

h1	
Entries	9654
Mean	0.02694
RMS	0.06411