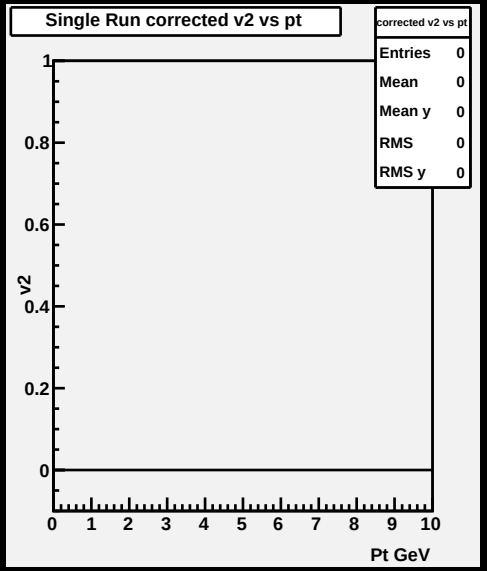
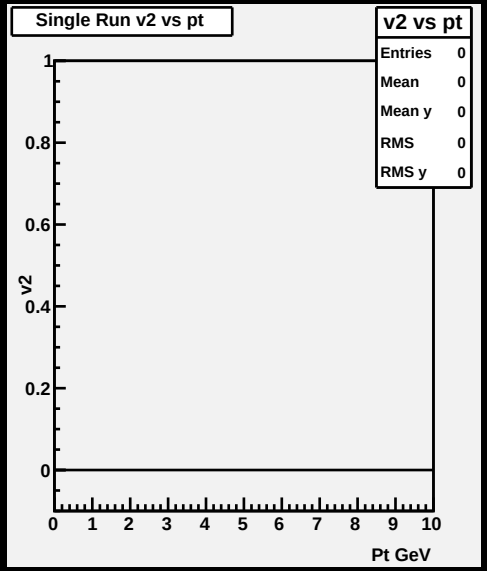
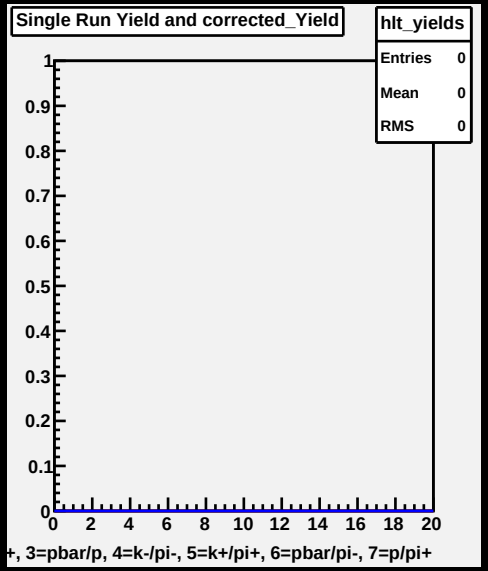
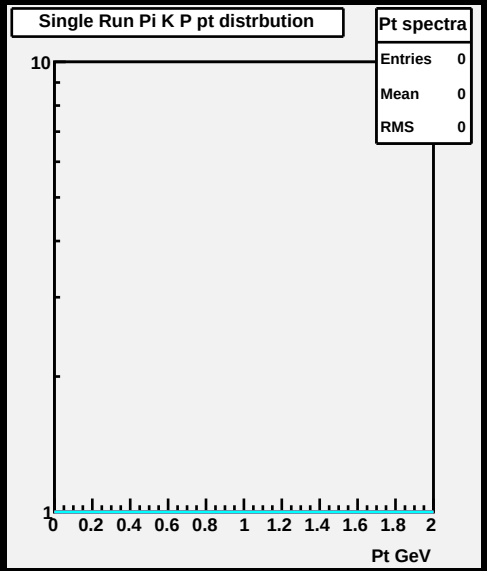
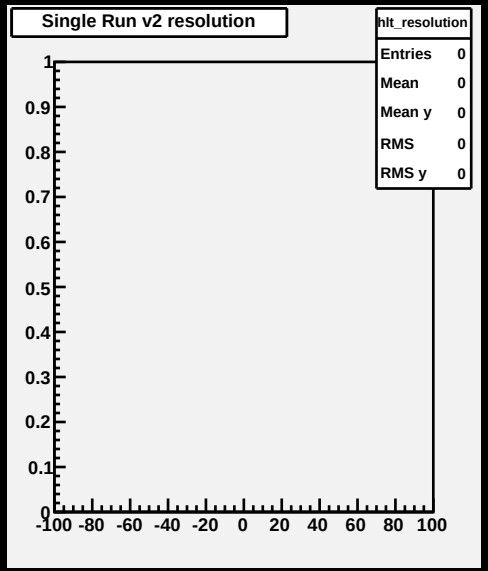
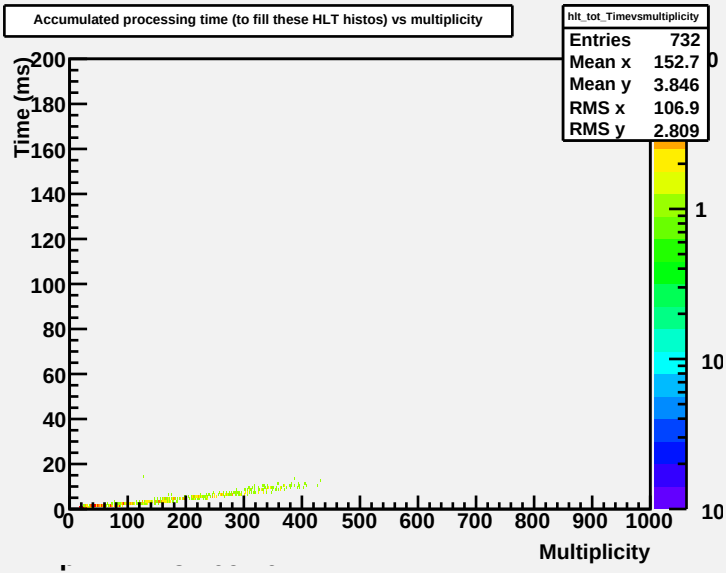

Single Run corrected v2 vs pt
corrected v2 vs pt
Entries 0
Mean 0
Mean y 0
RMS 0
RMS y 0
v2
Pt GeV

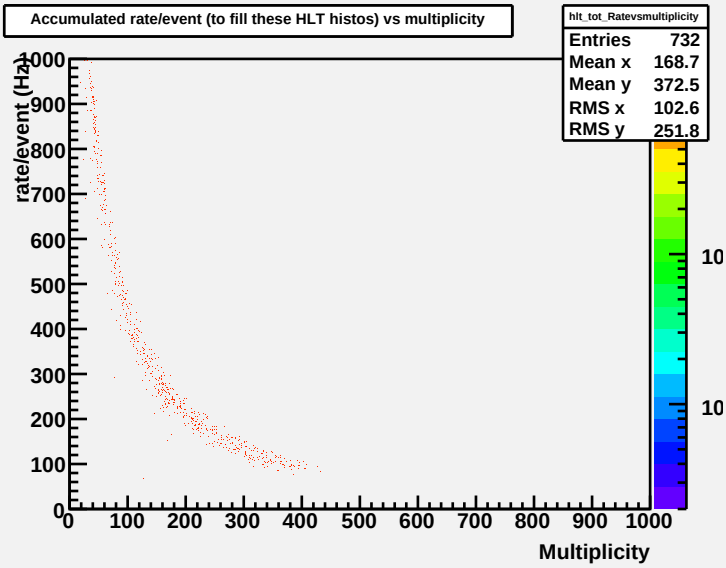

Single Run v2 vs pt
v2 vs pt
Entries 0
Mean 0
Mean y 0
RMS 0
RMS y 0
v2
Pt GeV

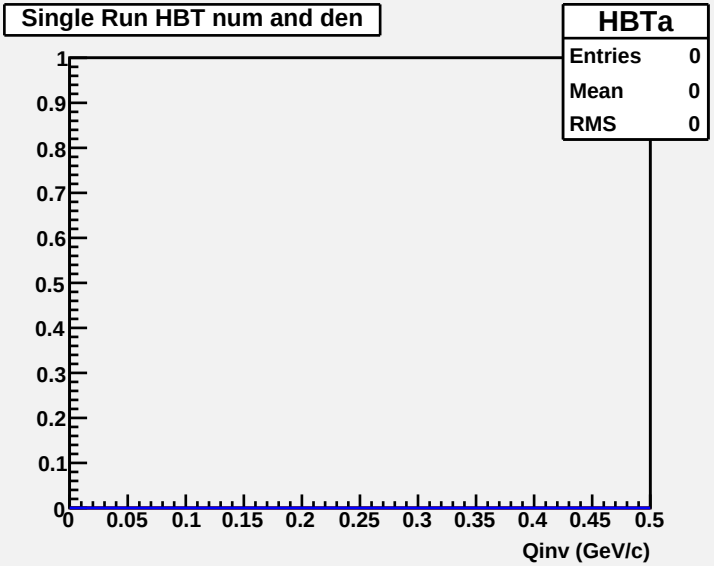

Single Run Yield and corrected_Yield
hlt_yields
Entries 0
Mean 0
RMS 0
+, 3=pbar/p, 4=k-/pi-, 5=k+/pi+, 6=pbar/pi-, 7=p/pi+

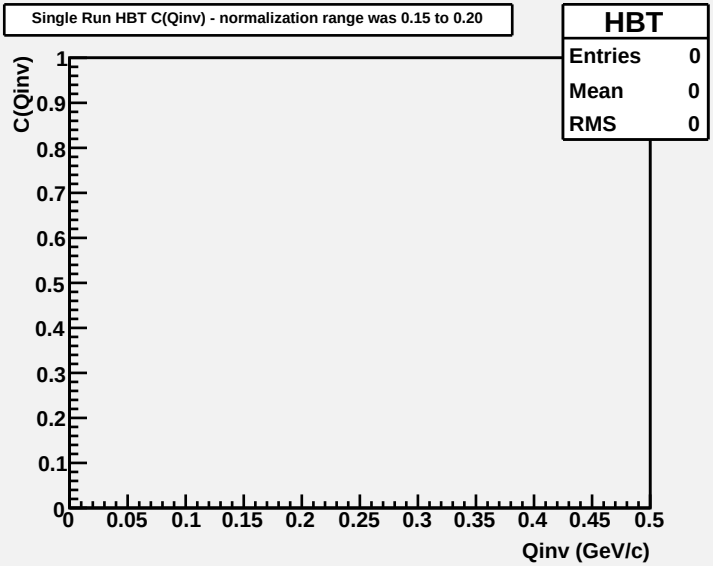

Single Run Pi K P pt distrbution
Pt spectra
Entries 0
Mean 0
RMS 0
Pt GeV

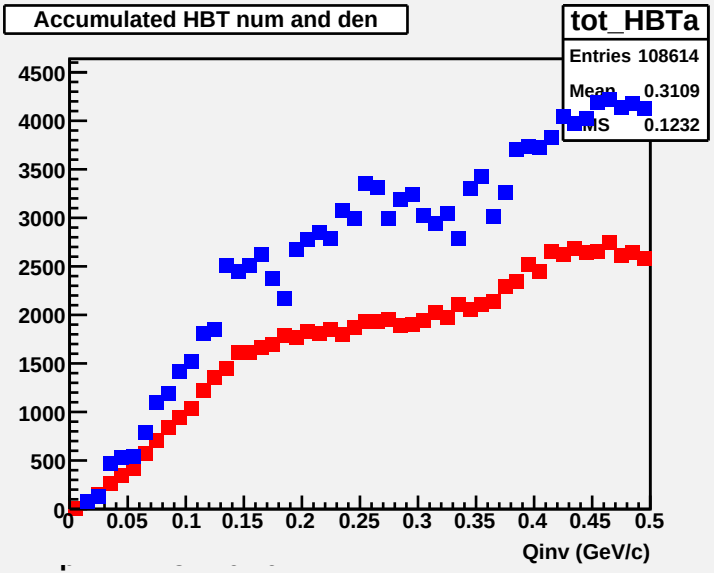

Single Run v2 resolution
hlt_resolution
Entries 0
Mean 0
Mean y 0
RMS 0
RMS y 0

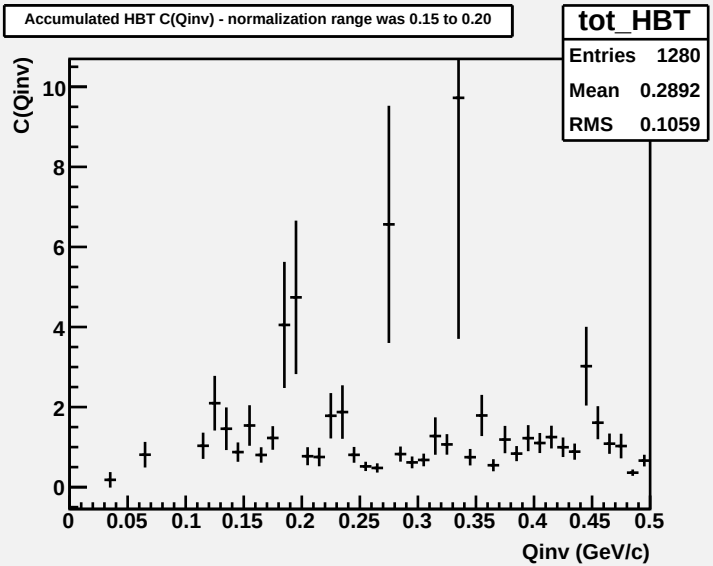

Accumulated processing time (to fill these HLT histos) vs multiplicity
hlt_tot_Timevsmultiplicity
Entries 732
Mean x 152.7
Mean y 3.846
RMS x 106.9
RMS y 2.809
Time (ms)
Multiplicity

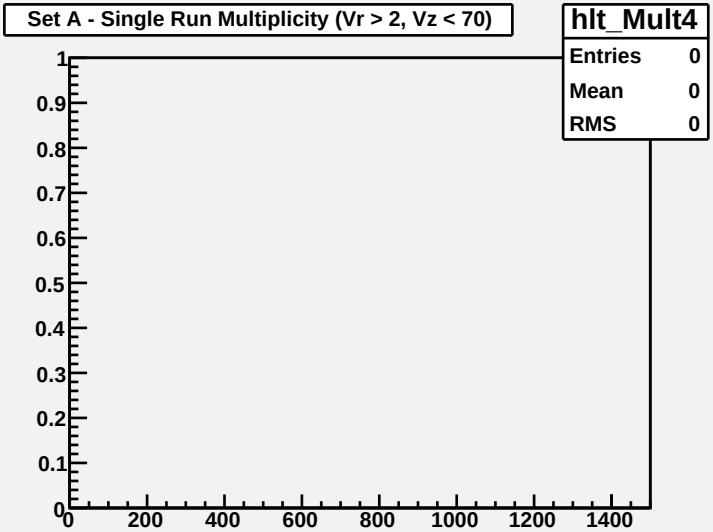

Accumulated rate/event (to fill these HLT histos) vs multiplicity
hlt_tot_Ratevsmultiplicity
Entries 732
Mean x 168.7
Mean y 372.5
RMS x 102.6
RMS y 251.8
rate/event (Hz)
Multiplicity

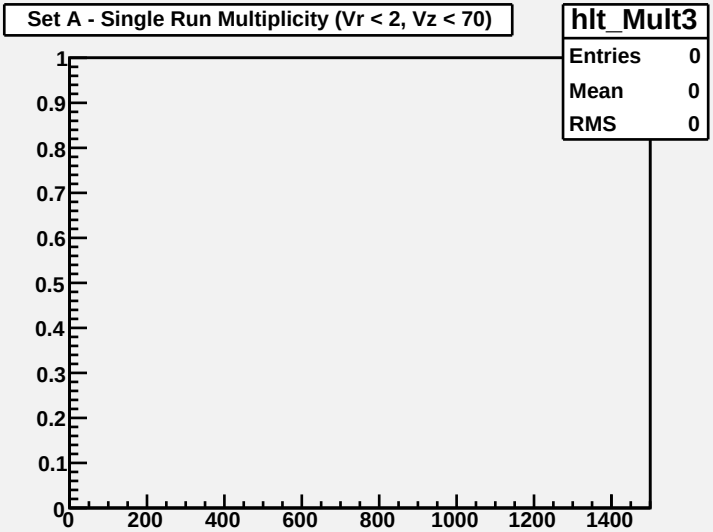

Single Run HBT num and den
HBTa
Entries 0
Mean 0
RMS 0
Qinv (GeV/c)

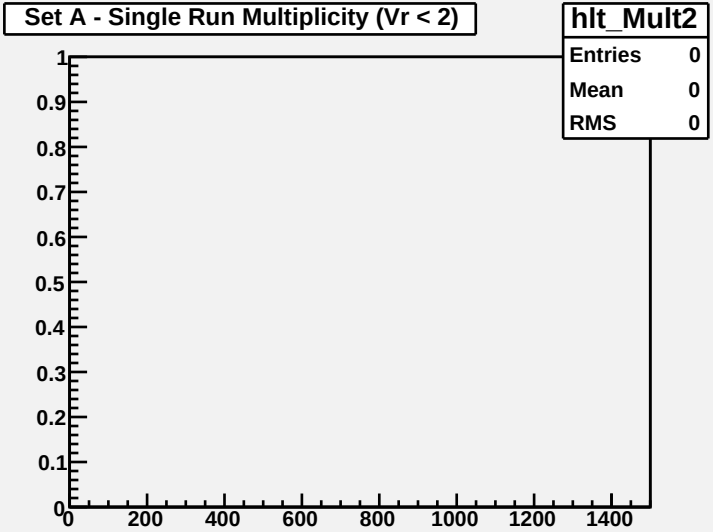

Single Run HBT C(Qinv) - normalization range was 0.15 to 0.20
HBT
Entries 0
Mean 0
RMS 0
C(Qinv)
Qinv (GeV/c)

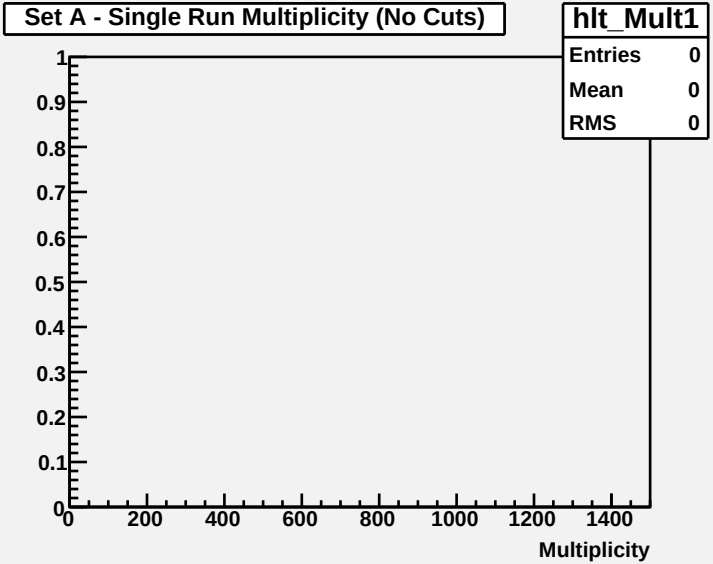

Accumulated HBT num and den
tot_HBTa
Entries 108614
Mean 0.3109
RMS 0.1232
Qinv (GeV/c)

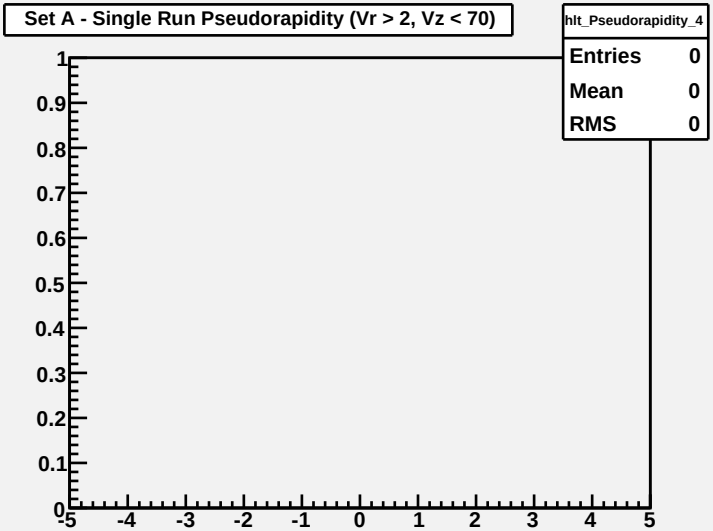

Accumulated HBT C(Qinv) - normalization range was 0.15 to 0.20
tot_HBT
Entries 1280
Mean 0.2892
RMS 0.1059
C(Qinv)
Qinv (GeV/c)

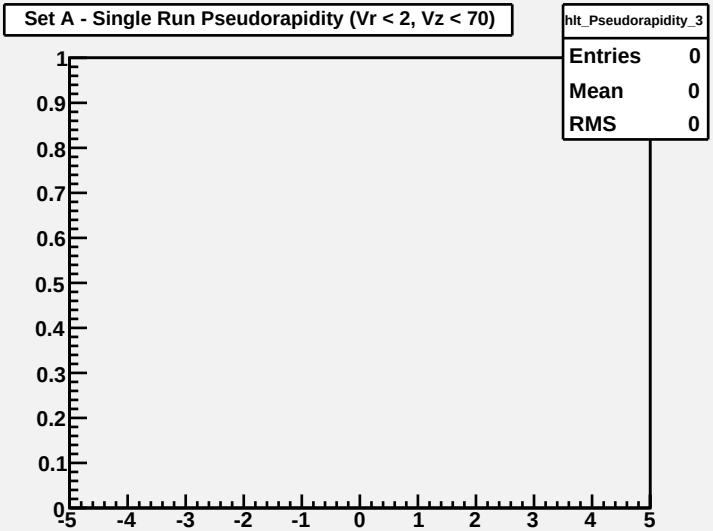

Set A - Single Run Multiplicity (Vr > 2, Vz < 70)
hlt_Mult4
Entries 0
Mean 0
RMS 0

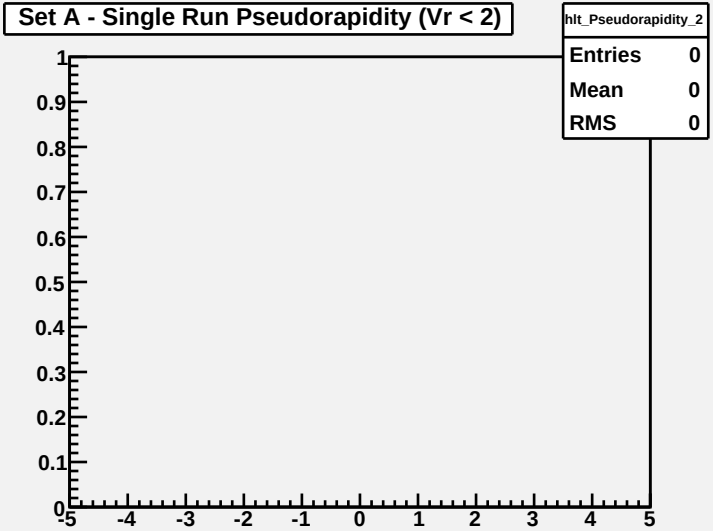

Set A - Single Run Multiplicity (Vr < 2, Vz < 70)
hlt_Mult3
Entries 0
Mean 0
RMS 0

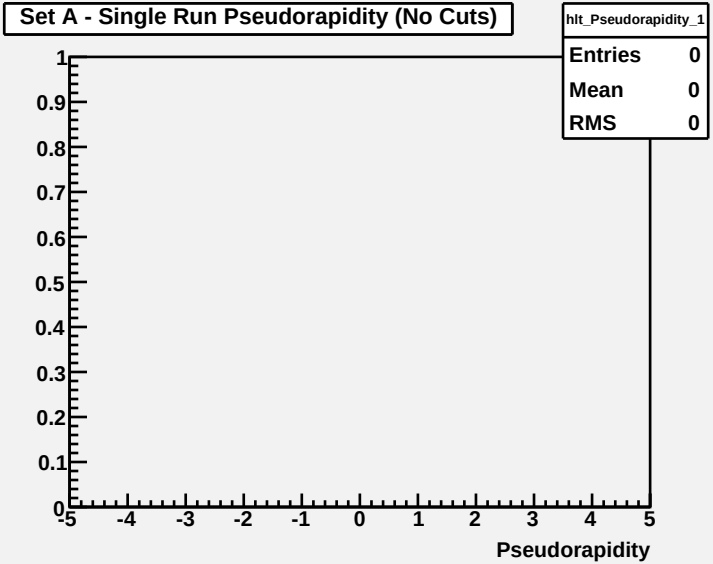

Set A - Single Run Multiplicity (Vr < 2)
hlt_Mult2
Entries 0
Mean 0
RMS 0

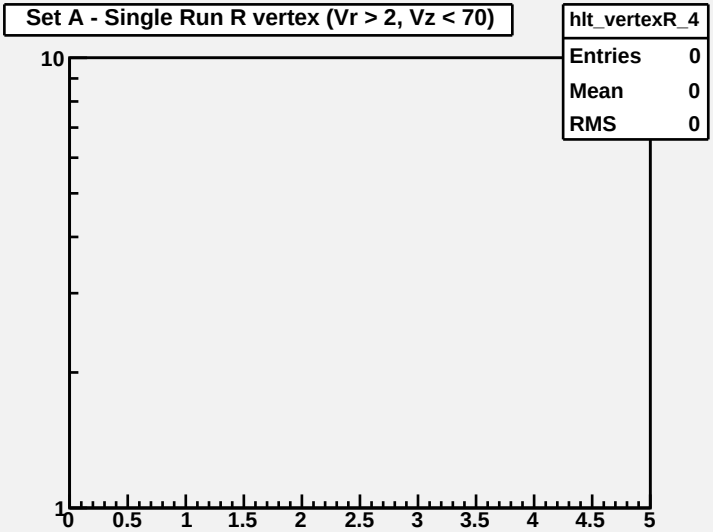

Set A - Single Run Multiplicity (No Cuts)
hlt_Mult1
Entries 0
Mean 0
RMS 0
Multiplicity

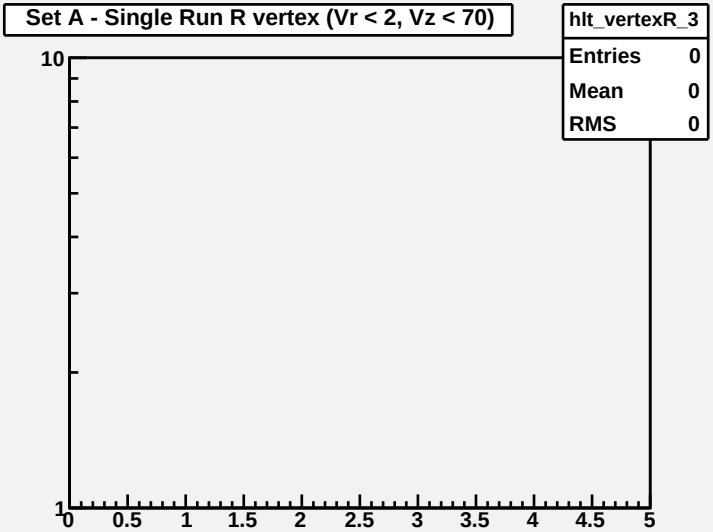

Set A - Single Run Pseudorapidity (Vr > 2, Vz < 70)
hlt_Pseudorapidity_4
Entries 0
Mean 0
RMS 0

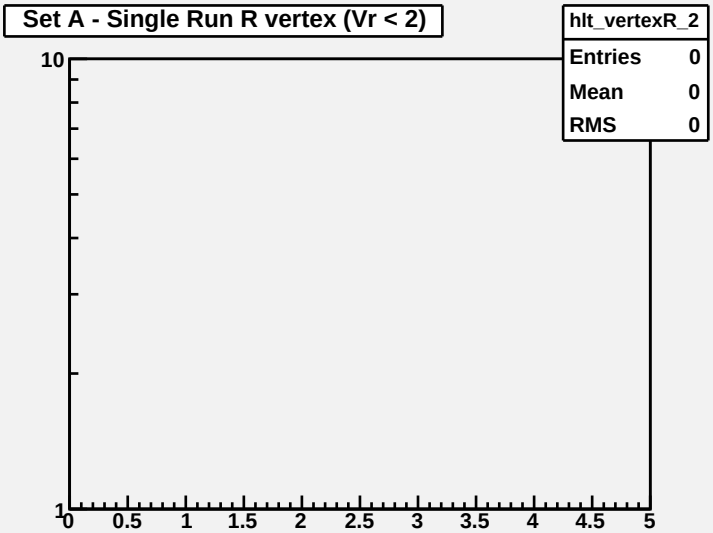

Set A - Single Run Pseudorapidity (Vr < 2, Vz < 70)
hlt_Pseudorapidity_3
Entries 0
Mean 0
RMS 0

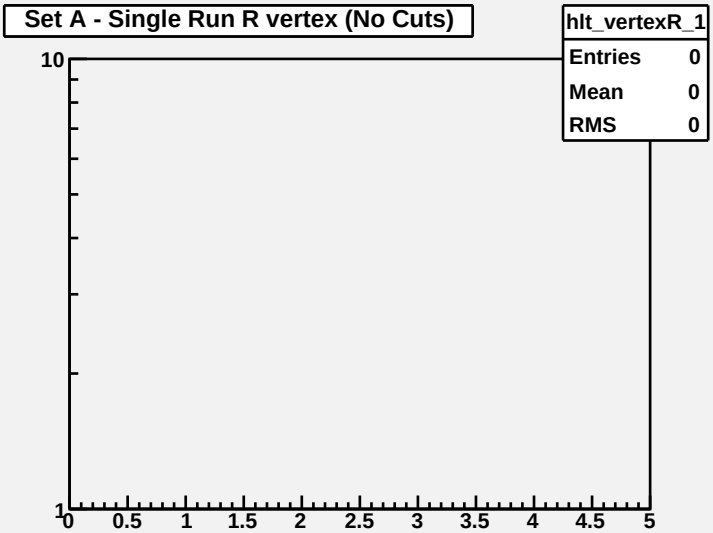

Set A - Single Run Pseudorapidity (Vr < 2)
hlt_Pseudorapidity_2
Entries 0
Mean 0
RMS 0

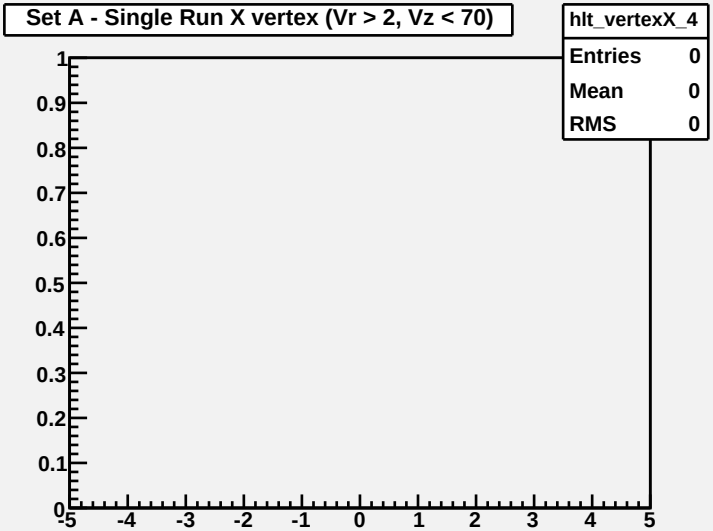

Set A - Single Run Pseudorapidity (No Cuts)
hlt_Pseudorapidity_1
Entries 0
Mean 0
RMS 0
Pseudorapidity

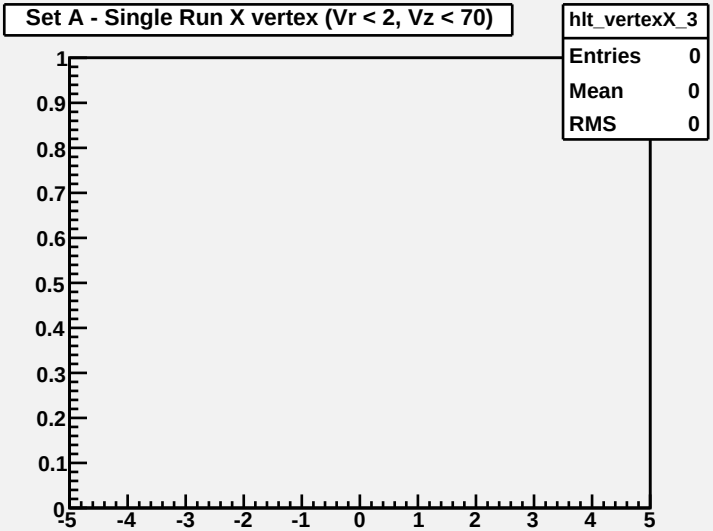

Set A - Single Run R vertex (Vr > 2, Vz < 70)
hlt_vertexR_4
Entries 0
Mean 0
RMS 0
10
1
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

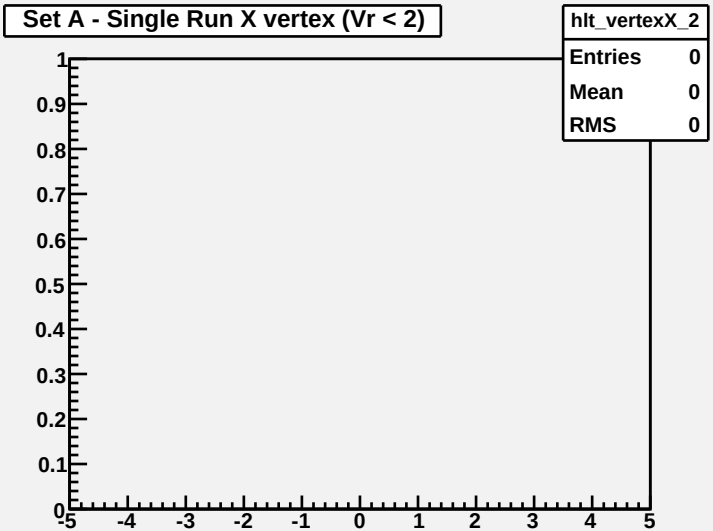

Set A - Single Run R vertex (Vr < 2, Vz < 70)
hlt_vertexR_3
Entries 0
Mean 0
RMS 0
10
1
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

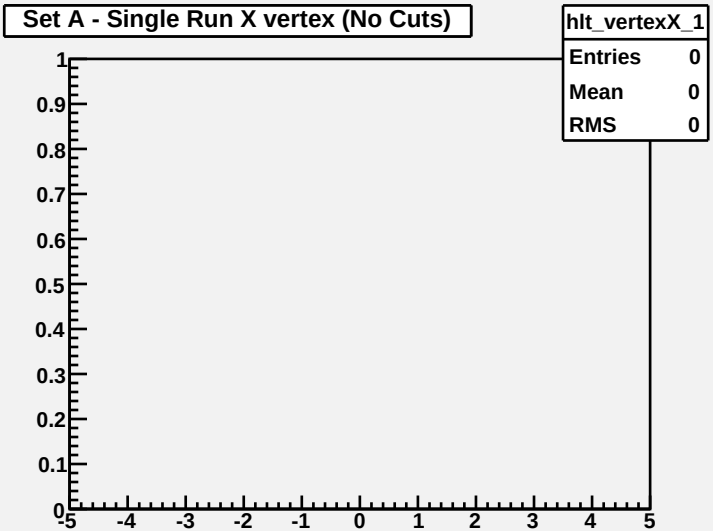

Set A - Single Run R vertex (Vr < 2)
hlt_vertexR_2
Entries 0
Mean 0
RMS 0
10
1
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

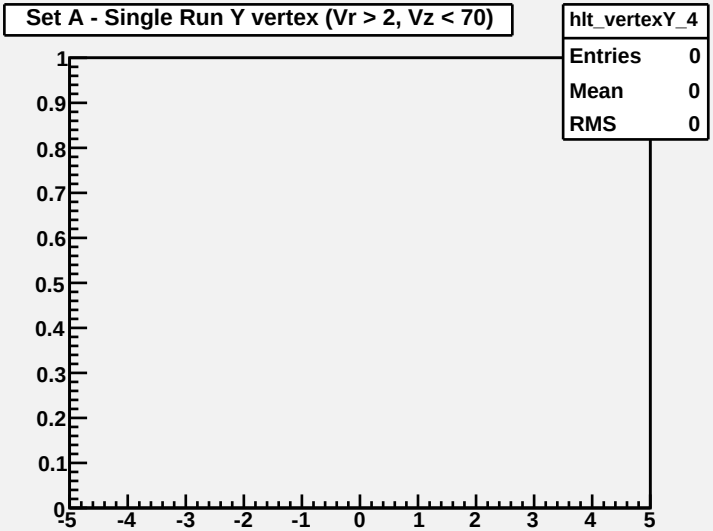

Set A - Single Run R vertex (No Cuts)
hlt_vertexR_1
Entries 0
Mean 0
RMS 0
10
1
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

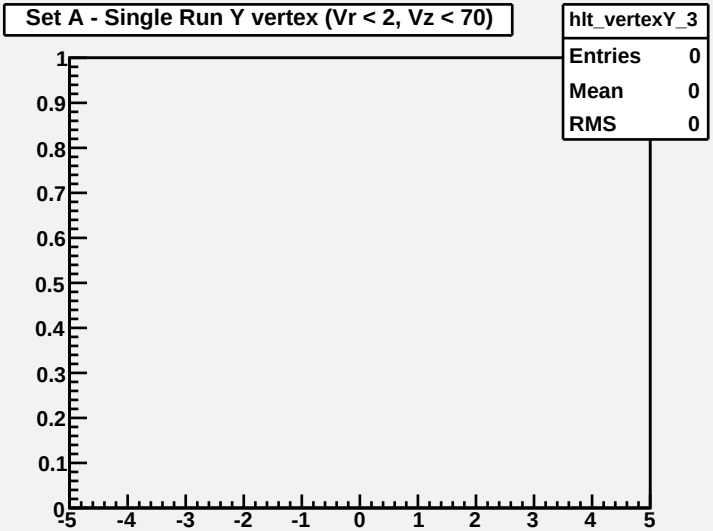

Set A - Single Run X vertex (Vr > 2, Vz < 70)
hlt_vertexX_4
Entries 0
Mean 0
RMS 0

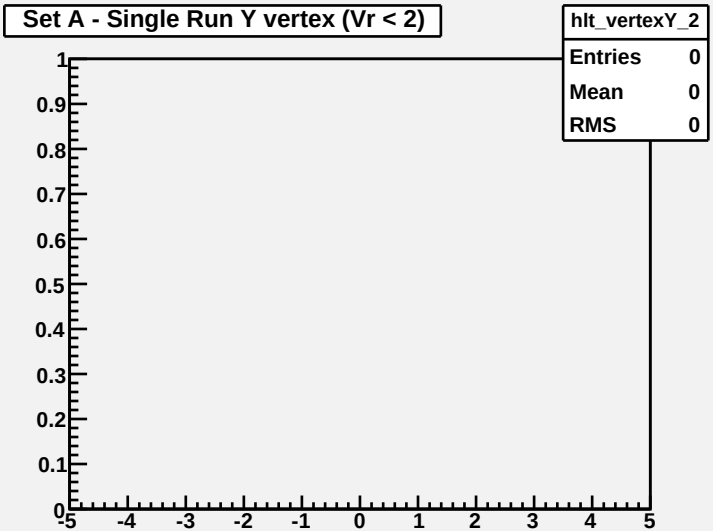

Set A - Single Run X vertex (Vr < 2, Vz < 70)
hlt_vertexX_3
Entries 0
Mean 0
RMS 0

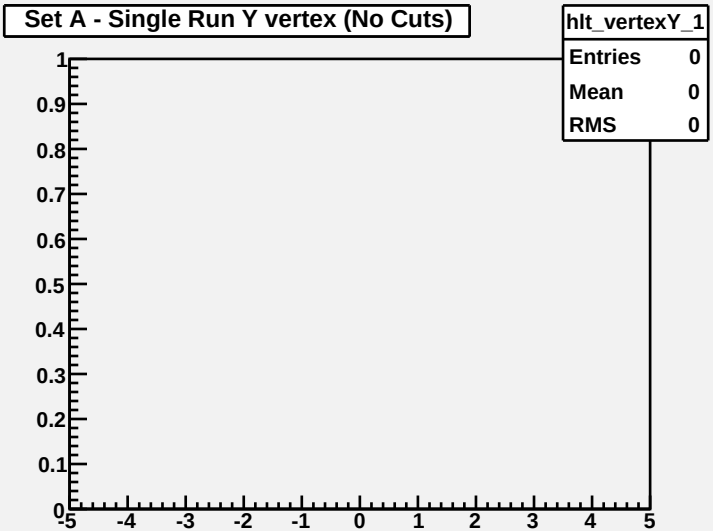

Set A - Single Run X vertex (Vr < 2)
hlt_vertexX_2
Entries 0
Mean 0
RMS 0

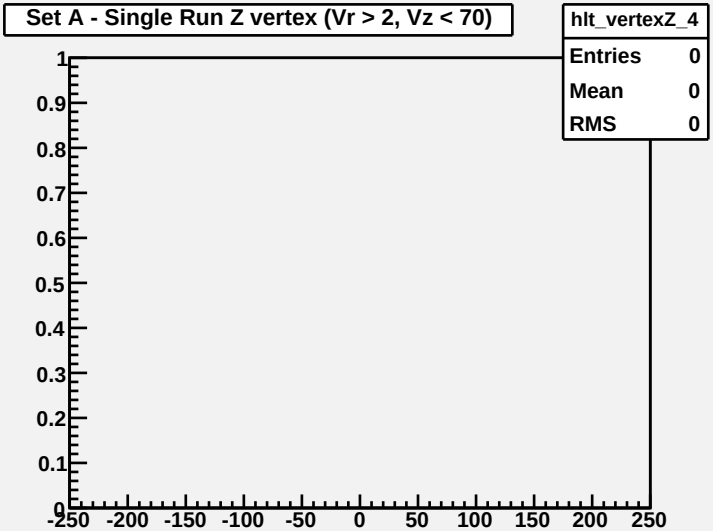

Set A - Single Run X vertex (No Cuts)
hlt_vertexX_1
Entries 0
Mean 0
RMS 0

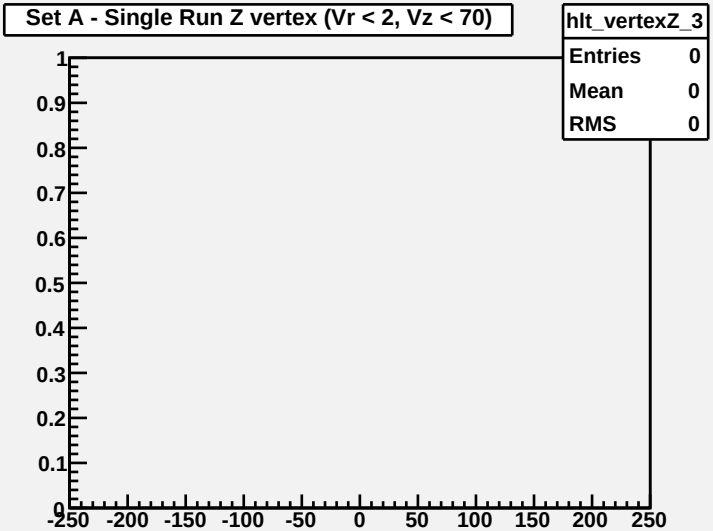

Set A - Single Run Y vertex (Vr > 2, Vz < 70)
hlt_vertexY_4
Entries 0
Mean 0
RMS 0

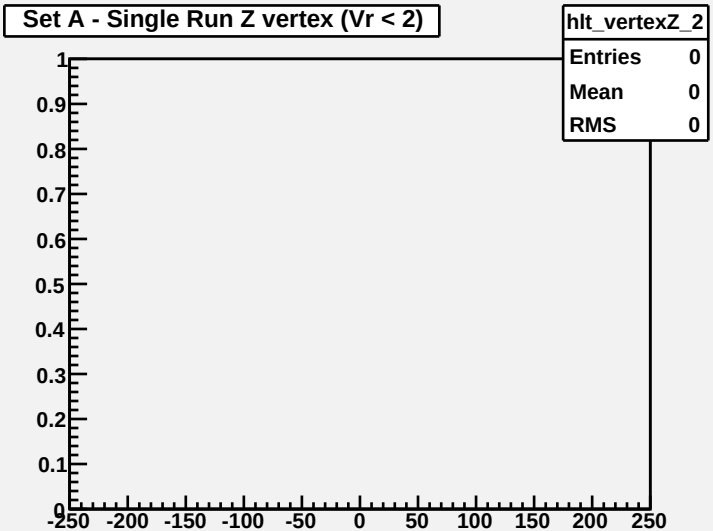

Set A - Single Run Y vertex (Vr < 2, Vz < 70)
hlt_vertexY_3
Entries 0
Mean 0
RMS 0

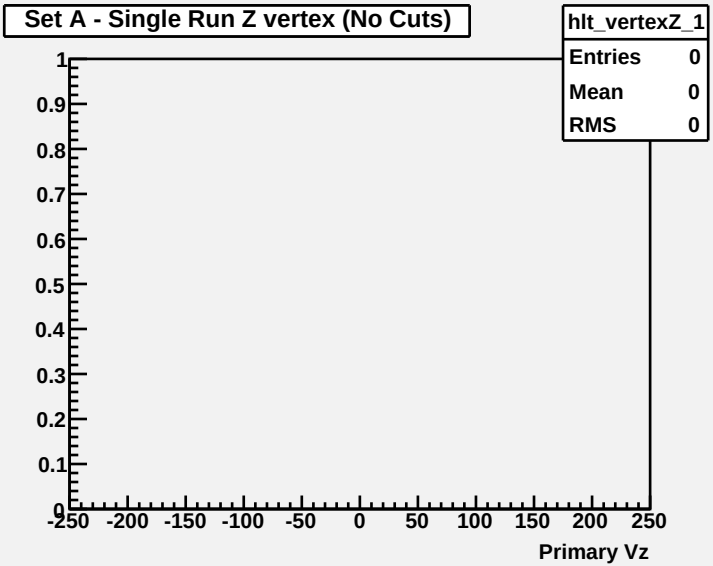

Set A - Single Run Y vertex (Vr < 2)
hlt_vertexY_2
Entries 0
Mean 0
RMS 0

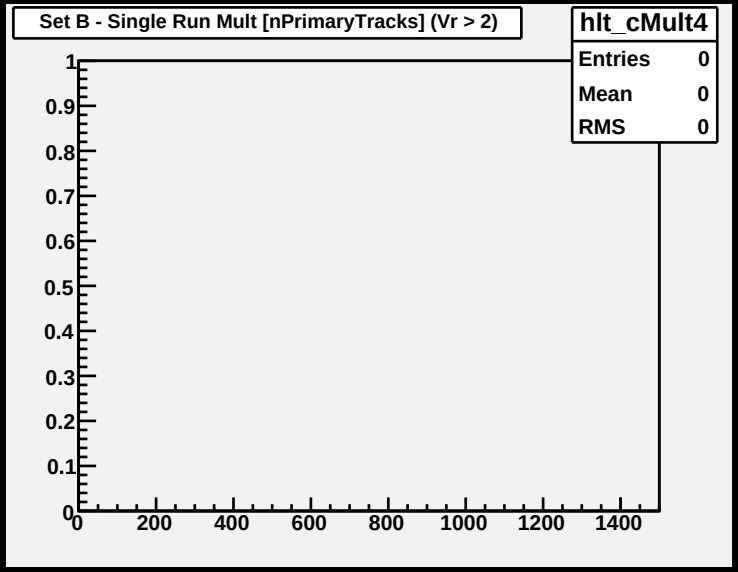

Set A - Single Run Y vertex (No Cuts)
hlt_vertexY_1
Entries 0
Mean 0
RMS 0

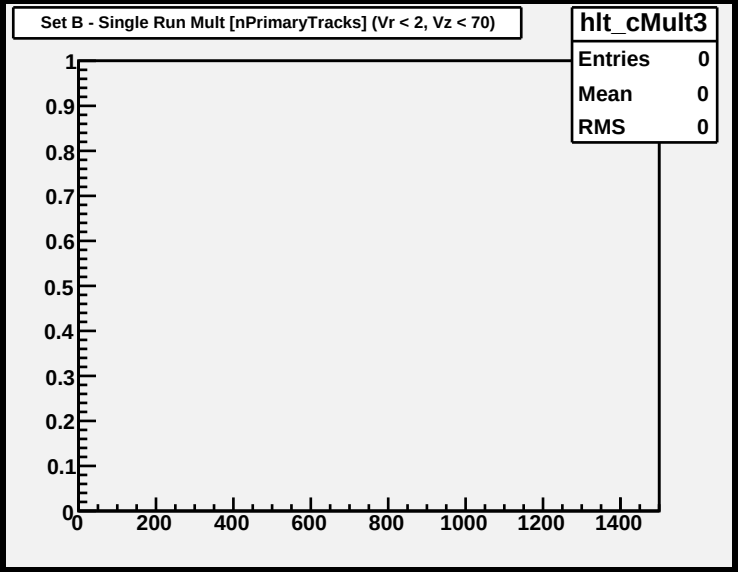

Set A - Single Run Z vertex (Vr > 2, Vz < 70)
hlt_vertexZ_4
Entries 0
Mean 0
RMS 0

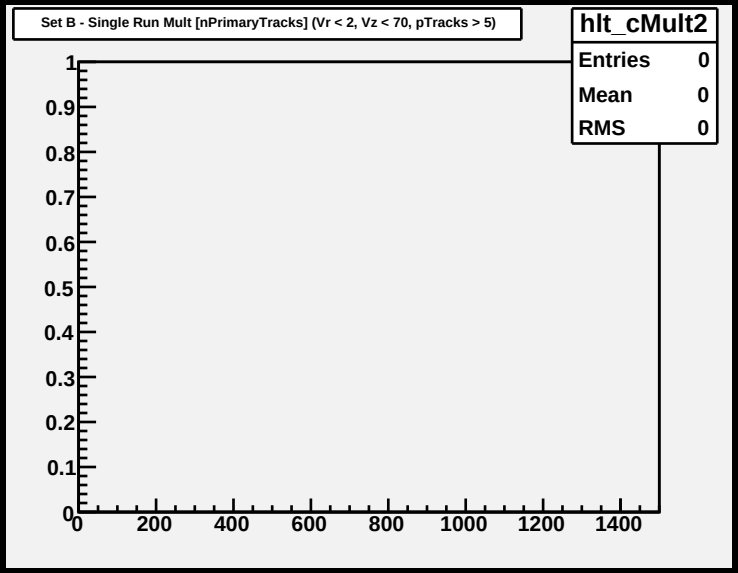

Set A - Single Run Z vertex (Vr < 2, Vz < 70)
hlt_vertexZ_3
Entries 0
Mean 0
RMS 0

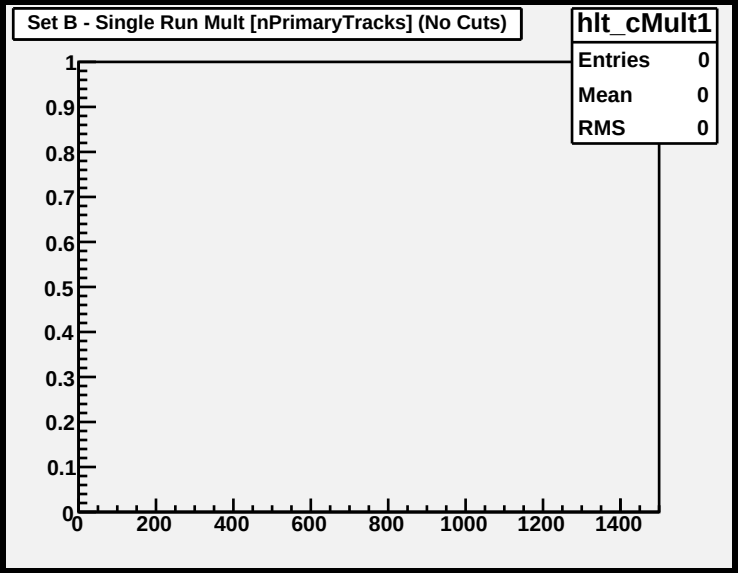

Set A - Single Run Z vertex (Vr < 2)
hlt_vertexZ_2
Entries 0
Mean 0
RMS 0

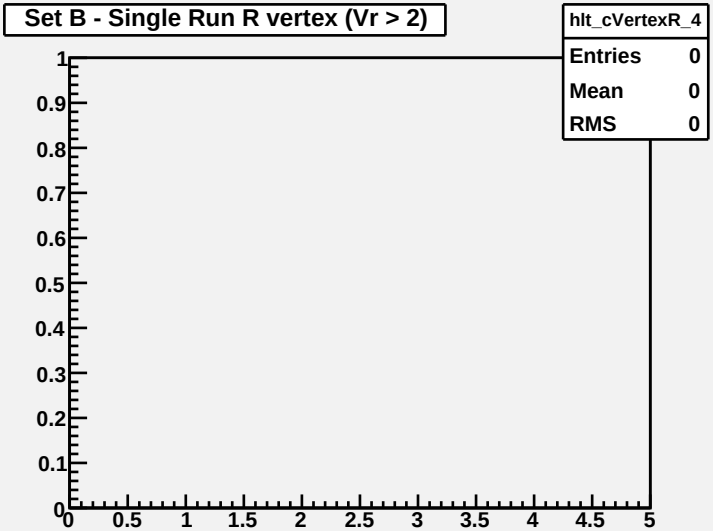

Set A - Single Run Z vertex (No Cuts)
hlt_vertexZ_1
Entries 0
Mean 0
RMS 0
Primary Vz

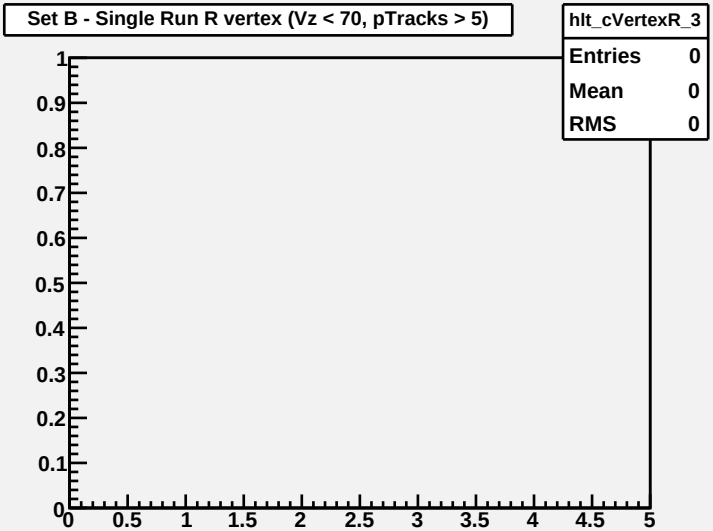

Set B - Single Run Mult [nPrimaryTracks] (Vr > 2)
hlt_cMult4
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400

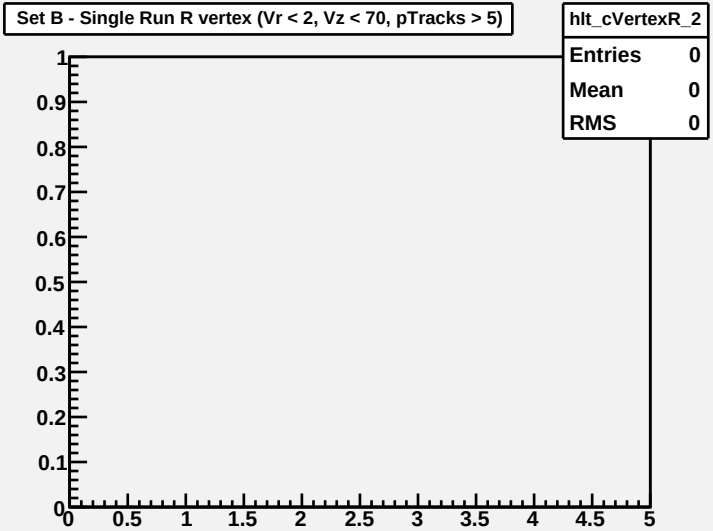

Set B - Single Run Mult [nPrimaryTracks] (Vr < 2, Vz < 70)
hlt_cMult3
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400

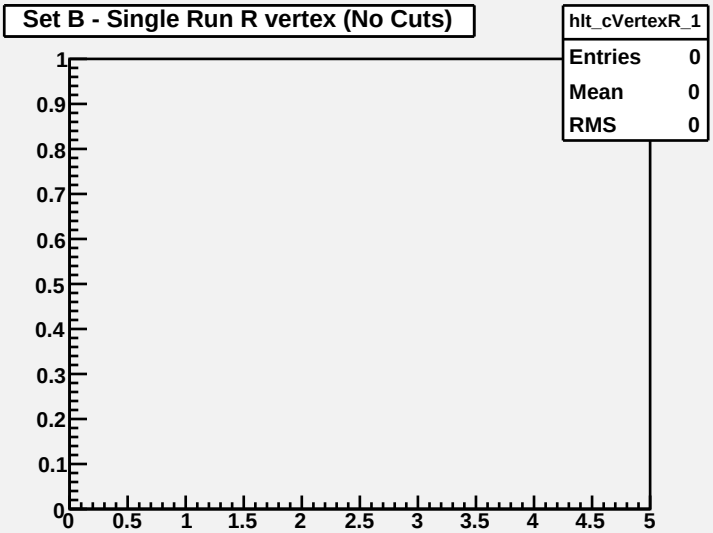

Set B - Single Run Mult [nPrimaryTracks] (Vr < 2, Vz < 70, pTracks > 5)
hlt_cMult2
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400

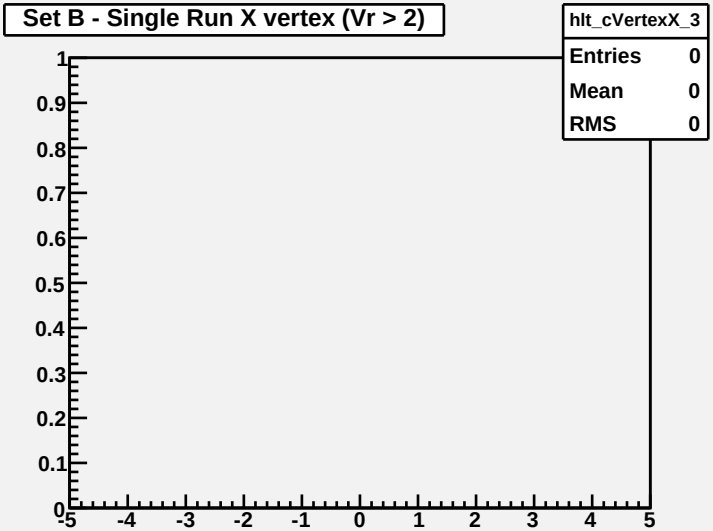

Set B - Single Run Mult [nPrimaryTracks] (No Cuts)
hlt_cMult1
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000
1200
1400

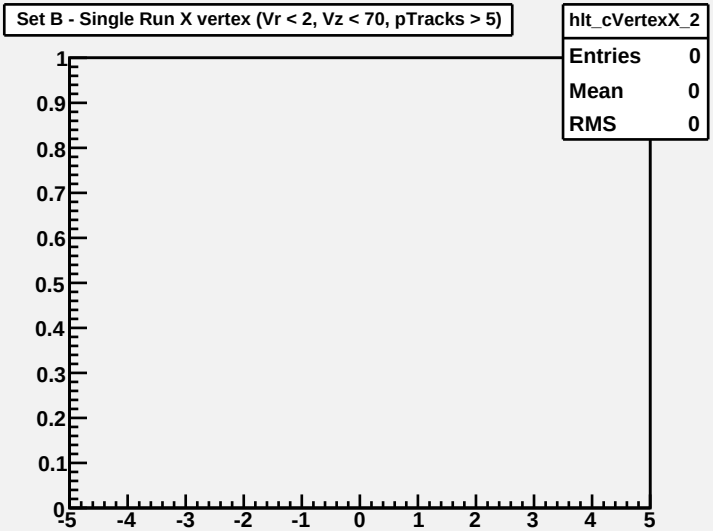

Set B - Single Run R vertex (Vr > 2)
hlt_cVertexR_4
Entries 0
Mean 0
RMS 0

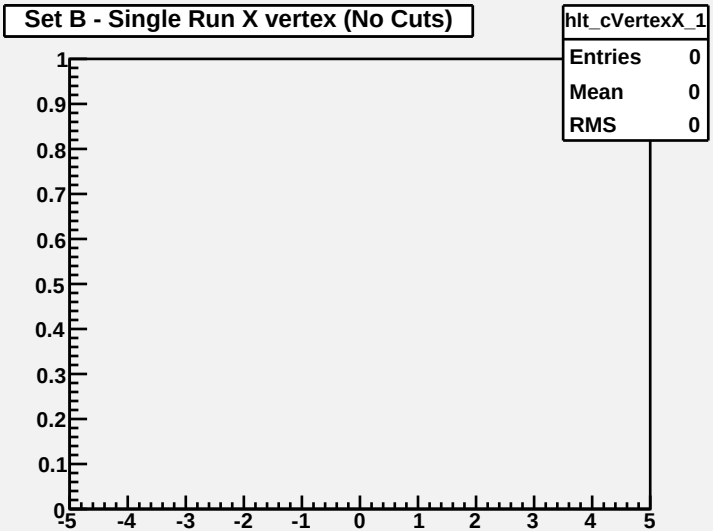

Set B - Single Run R vertex (Vz < 70, pTracks > 5)
hlt_cVertexR_3
Entries 0
Mean 0
RMS 0

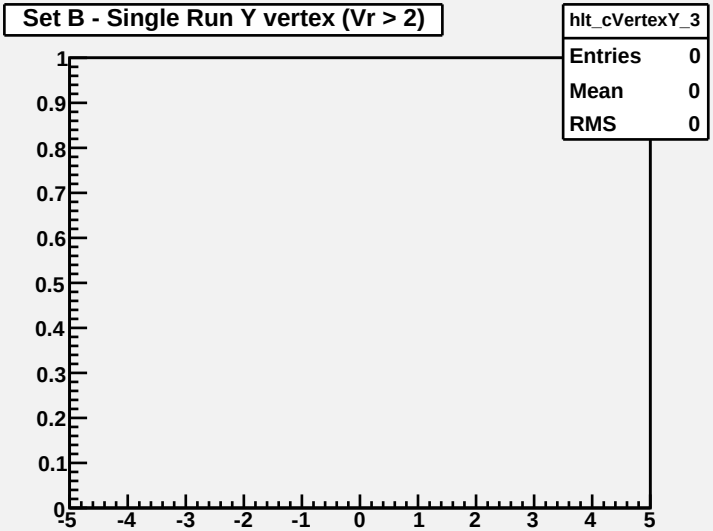

Set B - Single Run R vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_cVertexR_2
Entries 0
Mean 0
RMS 0

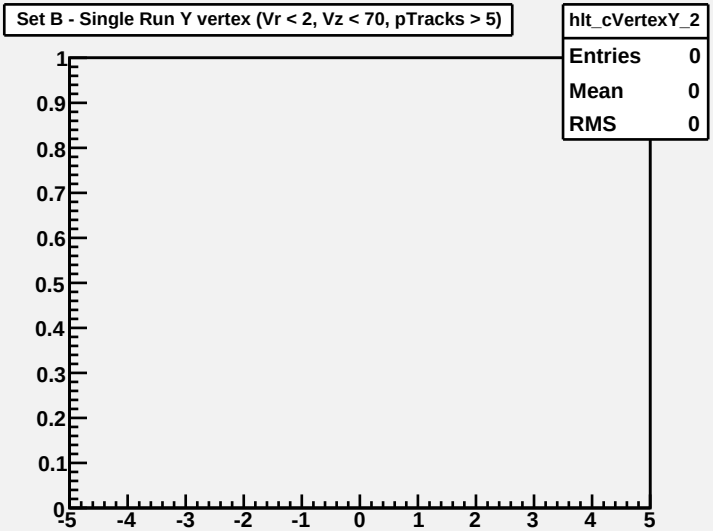

Set B - Single Run R vertex (No Cuts)
hlt_cVertexR_1
Entries 0
Mean 0
RMS 0

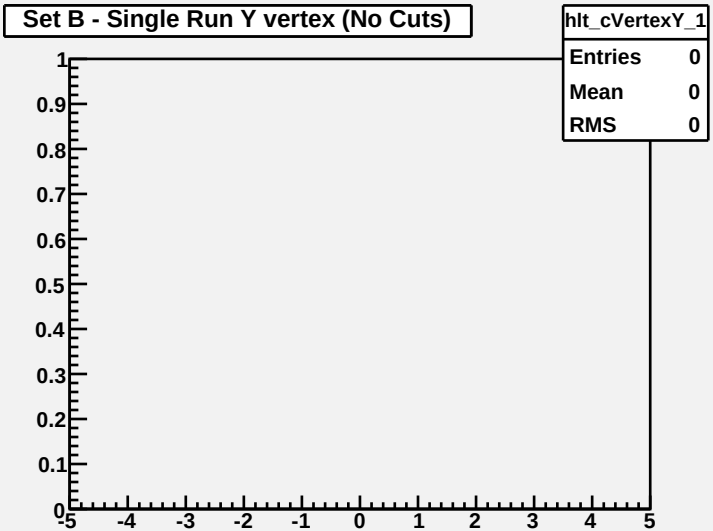

Set B - Single Run X vertex (Vr > 2)
hlt_cVertexX_3
Entries 0
Mean 0
RMS 0

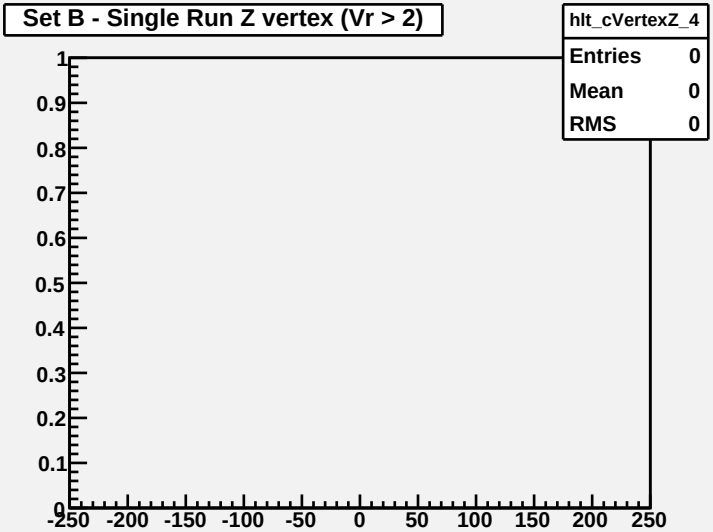

Set B - Single Run X vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_cVertexX_2
Entries 0
Mean 0
RMS 0

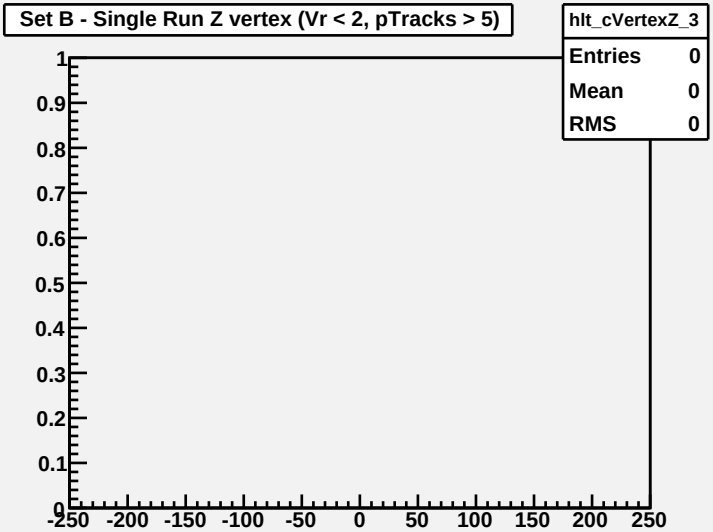

Set B - Single Run X vertex (No Cuts)
hlt_cVertexX_1
Entries 0
Mean 0
RMS 0

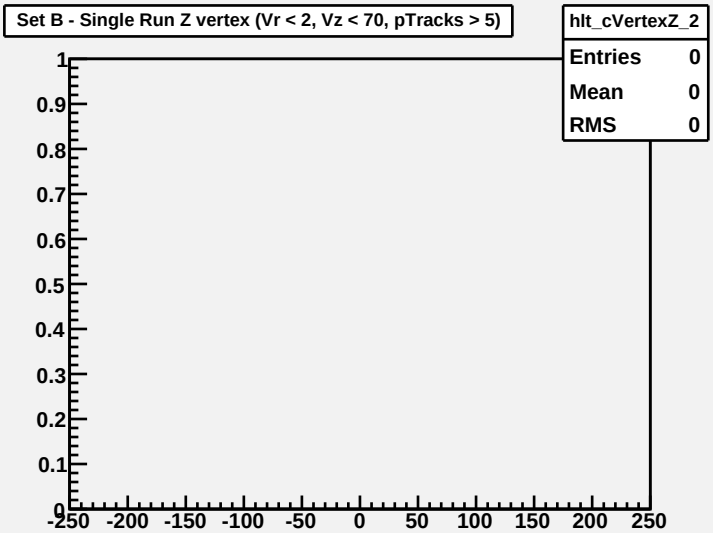

Set B - Single Run Y vertex (Vr > 2)
hlt_cVertexY_3
Entries 0
Mean 0
RMS 0

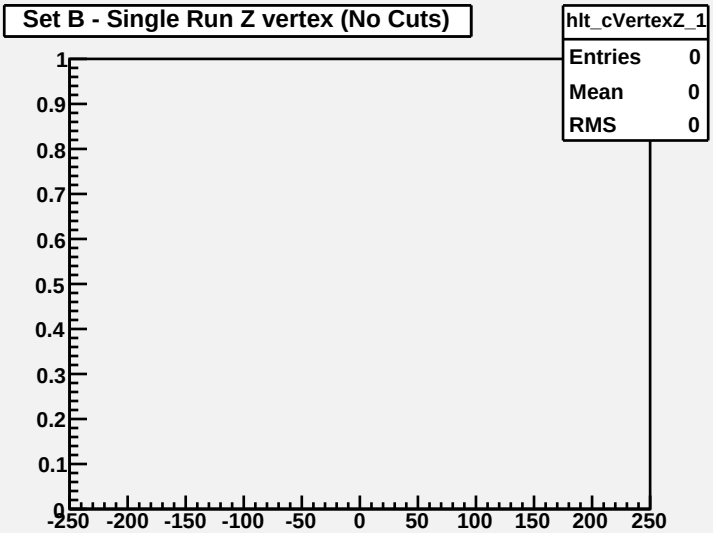

Set B - Single Run Y vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_cVertexY_2
Entries 0
Mean 0
RMS 0

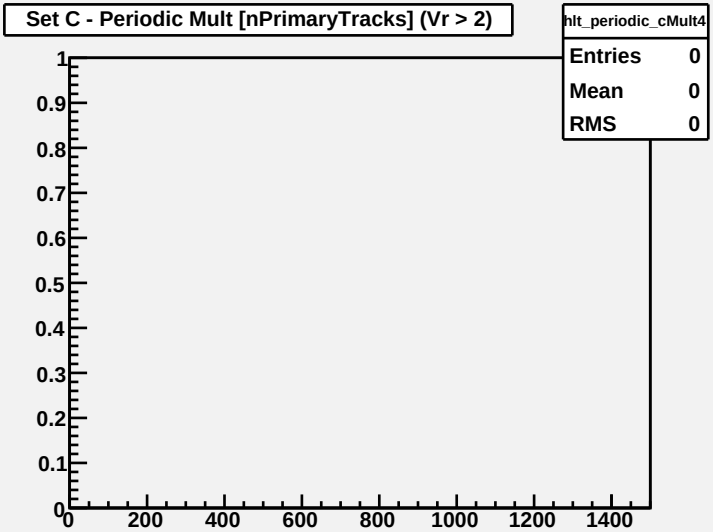

Set B - Single Run Y vertex (No Cuts)
hlt_cVertexY_1
Entries 0
Mean 0
RMS 0

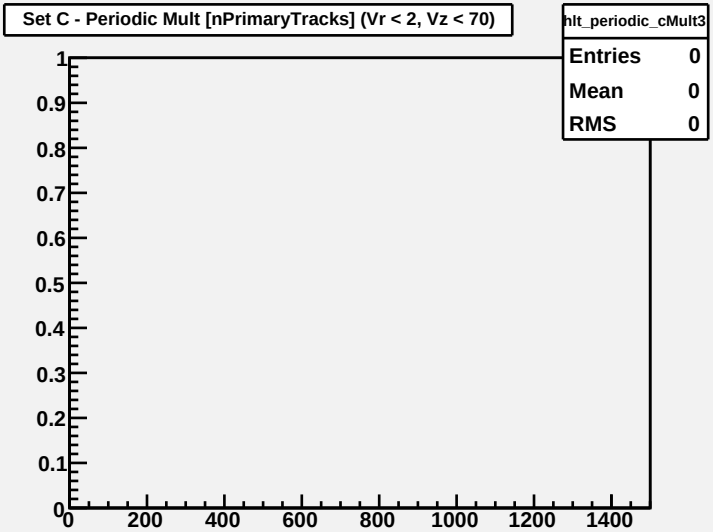

Set B - Single Run Z vertex (Vr > 2)
hlt_cVertexZ_4
Entries 0
Mean 0
RMS 0

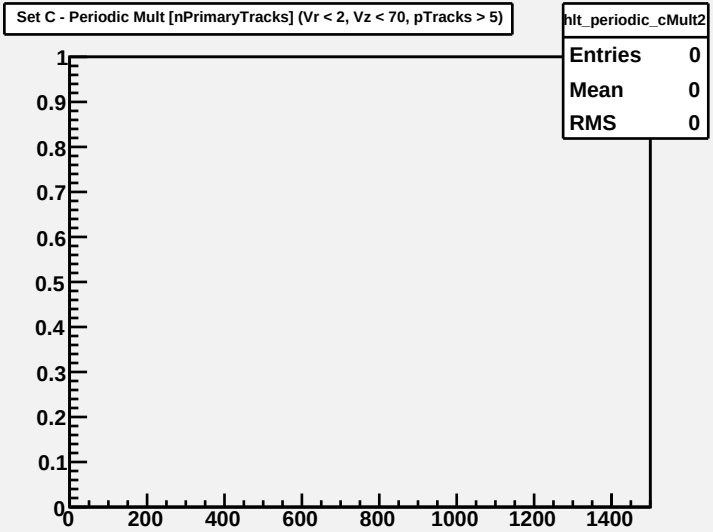

Set B - Single Run Z vertex (Vr < 2, pTracks > 5)
hlt_cVertexZ_3
Entries 0
Mean 0
RMS 0

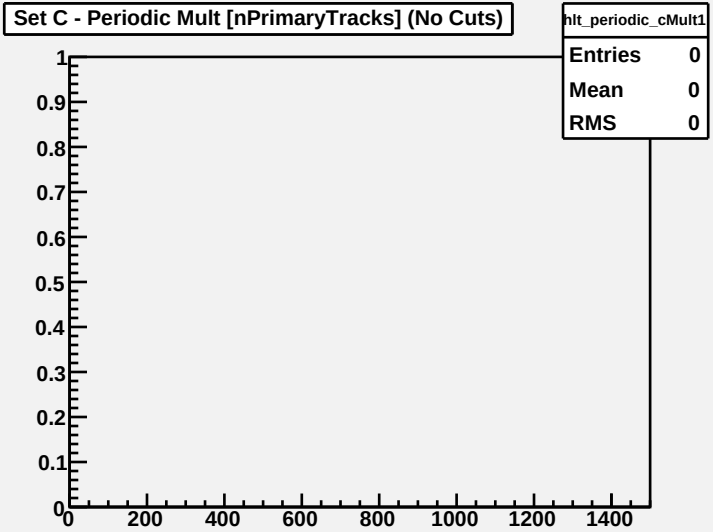

Set B - Single Run Z vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_cVertexZ_2
Entries 0
Mean 0
RMS 0

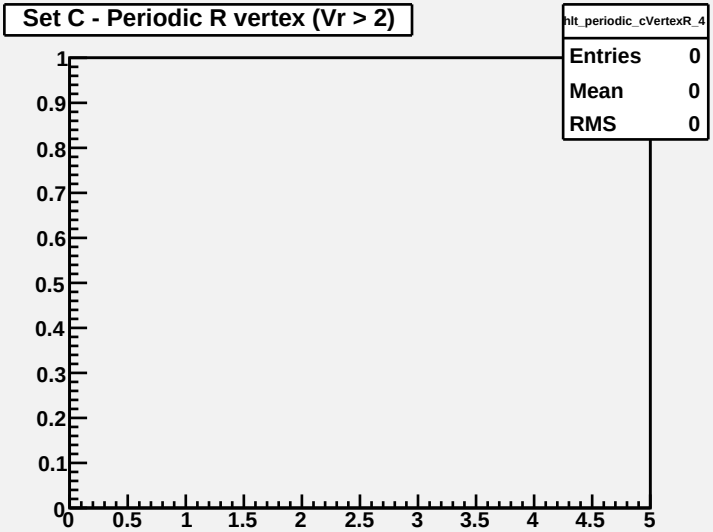

Set B - Single Run Z vertex (No Cuts)
hlt_cVertexZ_1
Entries 0
Mean 0
RMS 0

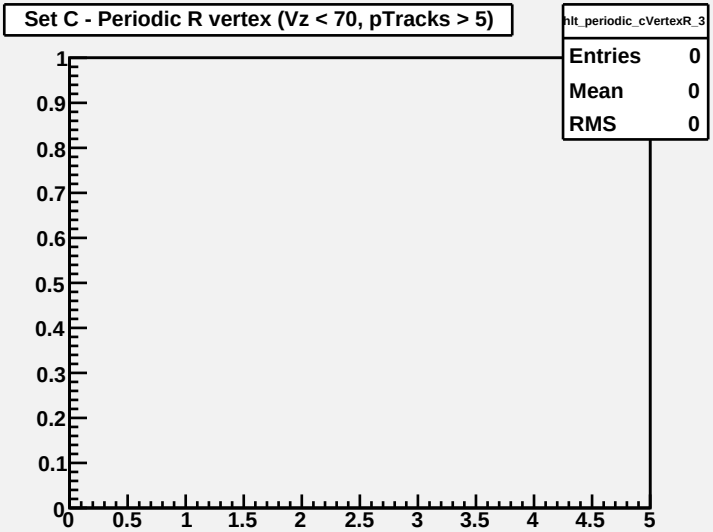

Set C - Periodic Mult [nPrimaryTracks] (Vr > 2)
hlt_periodic_cMult4
Entries 0
Mean 0
RMS 0

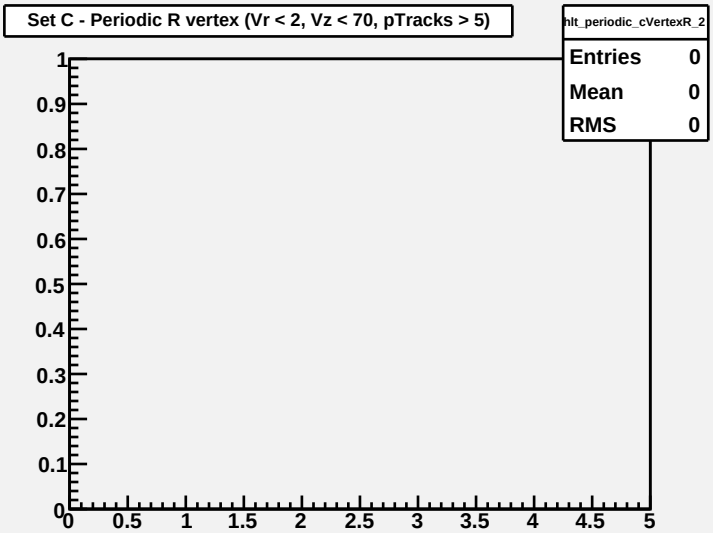

Set C - Periodic Mult [nPrimaryTracks] (Vr < 2, Vz < 70)
hlt_periodic_cMult3
Entries 0
Mean 0
RMS 0

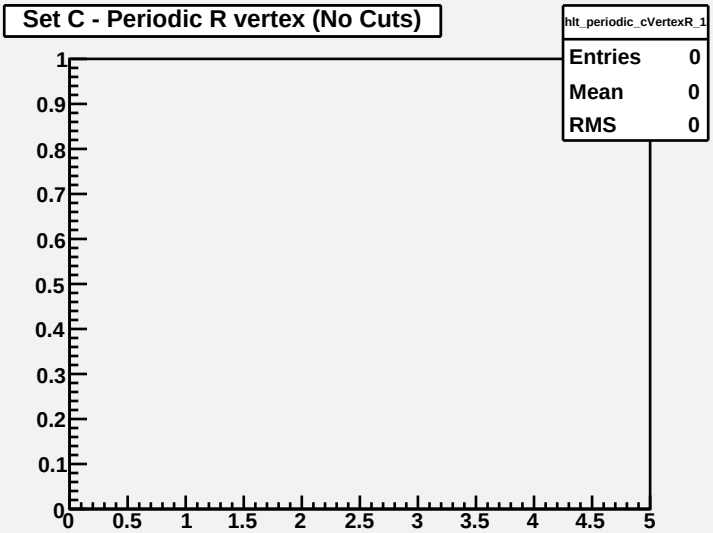

Set C - Periodic Mult [nPrimaryTracks] (Vr < 2, Vz < 70, pTracks > 5)
hlt_periodic_cMult2
Entries 0
Mean 0
RMS 0

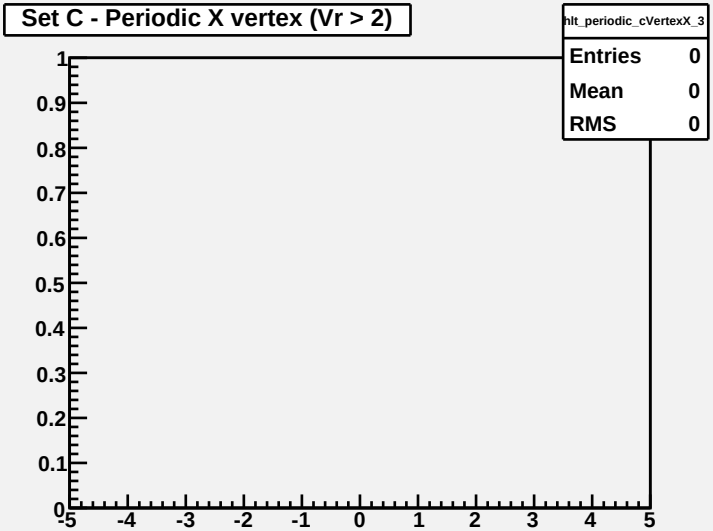

Set C - Periodic Mult [nPrimaryTracks] (No Cuts)
hlt_periodic_cMult1
Entries 0
Mean 0
RMS 0

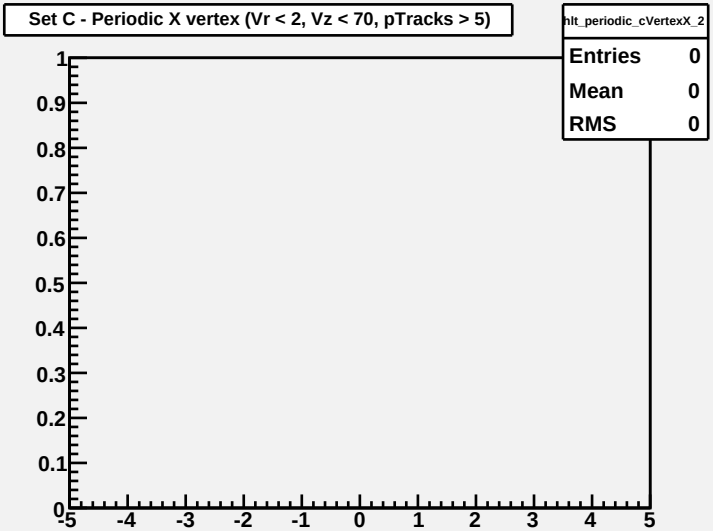

Set C - Periodic R vertex (Vr > 2)
hlt_periodic_cVertexR_4
Entries 0
Mean 0
RMS 0

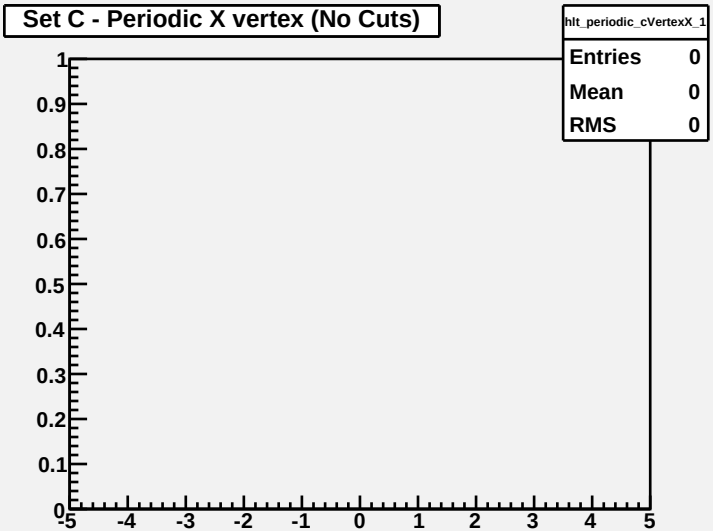

Set C - Periodic R vertex (Vz < 70, pTracks > 5)
hlt_periodic_cVertexR_3
Entries 0
Mean 0
RMS 0

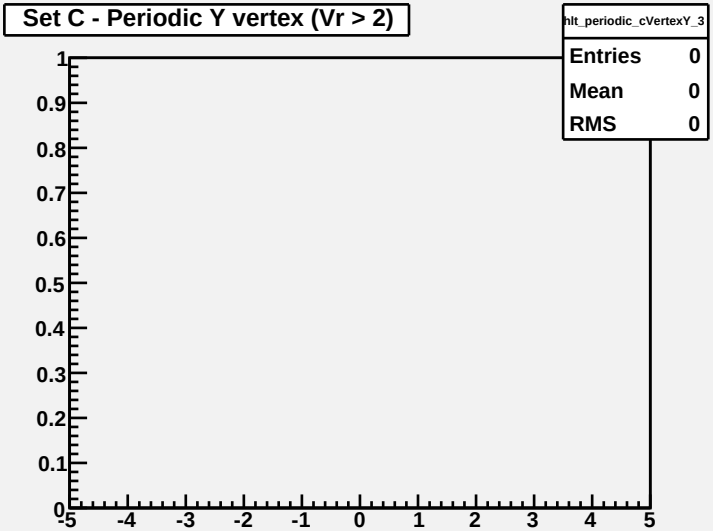

Set C - Periodic R vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_periodic_cVertexR_2
Entries 0
Mean 0
RMS 0

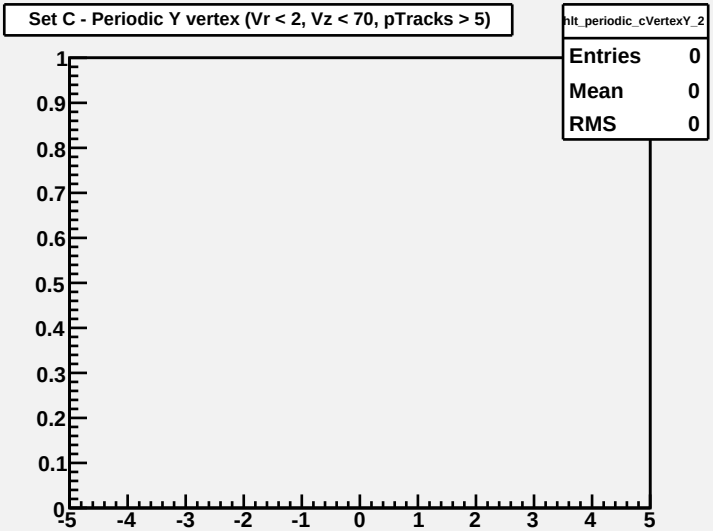

Set C - Periodic R vertex (No Cuts)
hlt_periodic_cVertexR_1
Entries 0
Mean 0
RMS 0

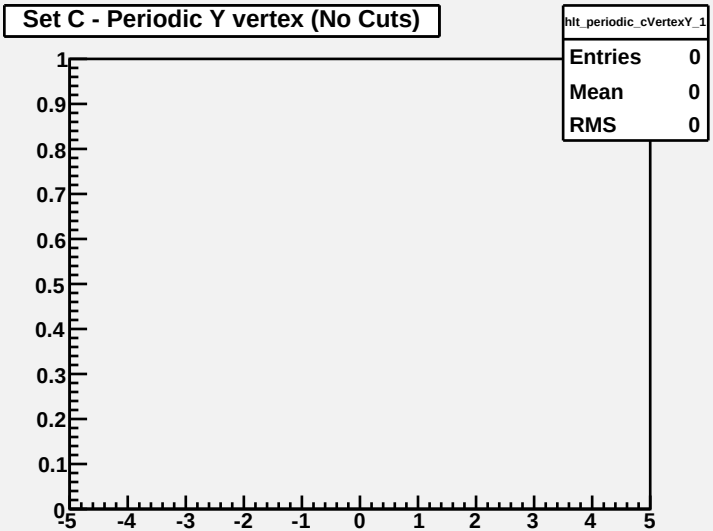

Set C - Periodic X vertex (Vr > 2)
hlt_periodic_cVertexX_3
Entries 0
Mean 0
RMS 0

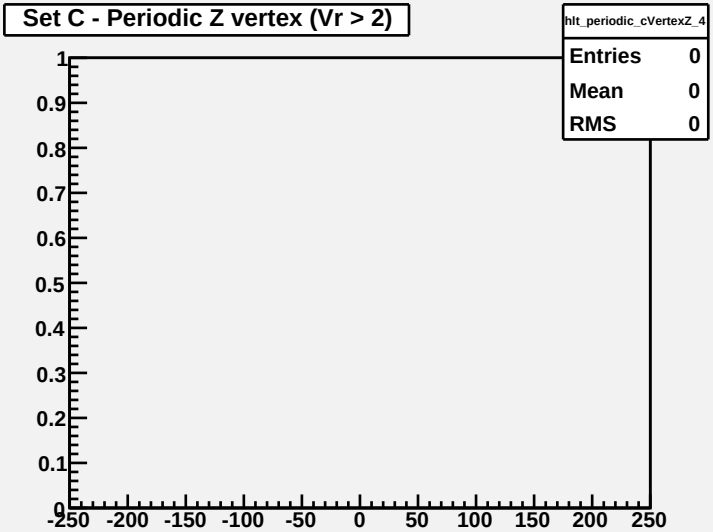

Set C - Periodic X vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_periodic_cVertexX_2
Entries 0
Mean 0
RMS 0

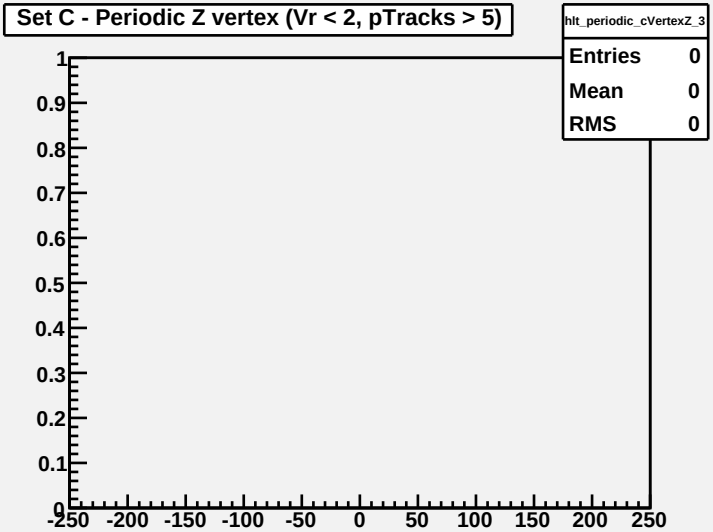

Set C - Periodic X vertex (No Cuts)
hlt_periodic_cVertexX_1
Entries 0
Mean 0
RMS 0

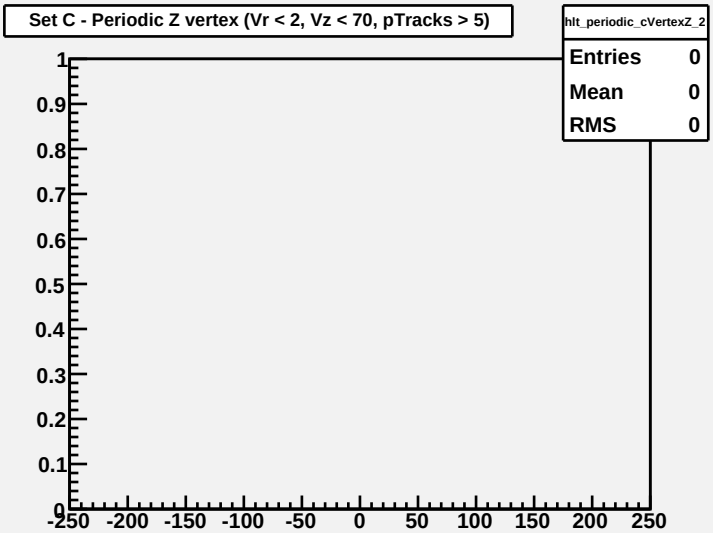

Set C - Periodic Y vertex (Vr > 2)
hlt_periodic_cVertexY_3
Entries 0
Mean 0
RMS 0

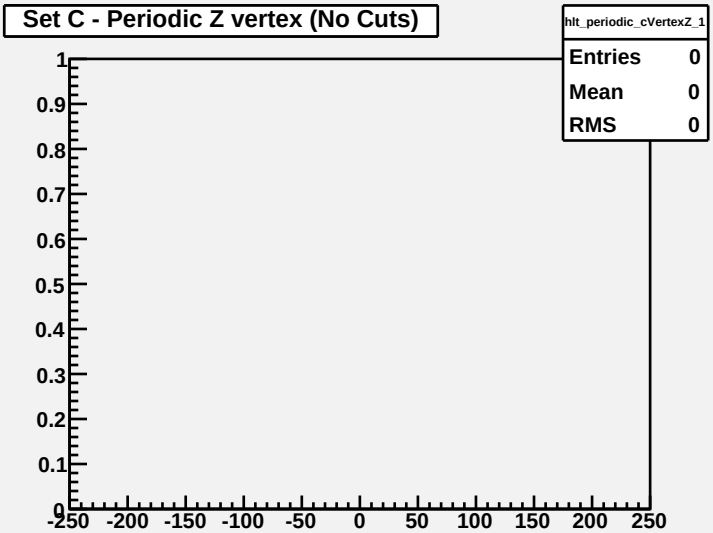

Set C - Periodic Y vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_periodic_cVertexY_2
Entries 0
Mean 0
RMS 0

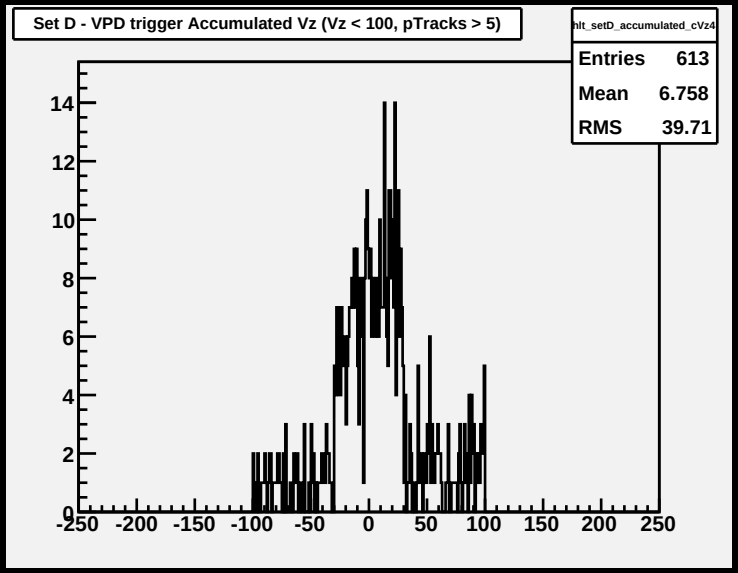

Set C - Periodic Y vertex (No Cuts)
hlt_periodic_cVertexY_1
Entries 0
Mean 0
RMS 0

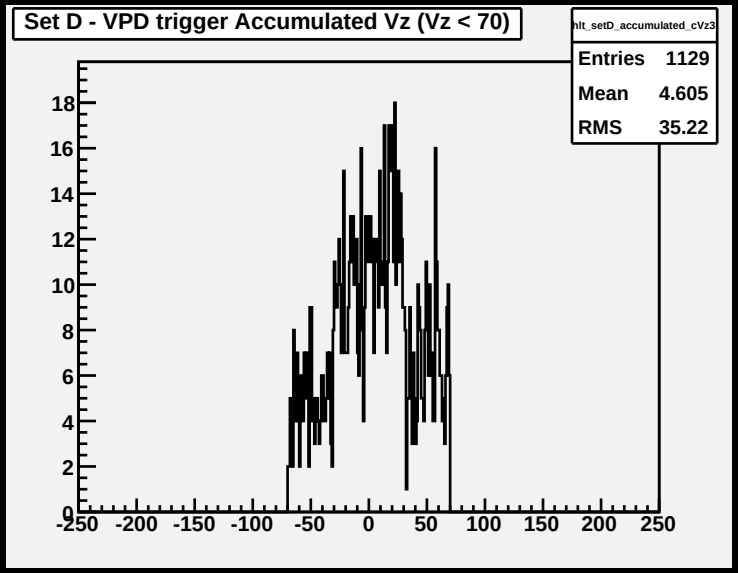

Set C - Periodic Z vertex (Vr > 2)
hlt_periodic_cVertexZ_4
Entries 0
Mean 0
RMS 0

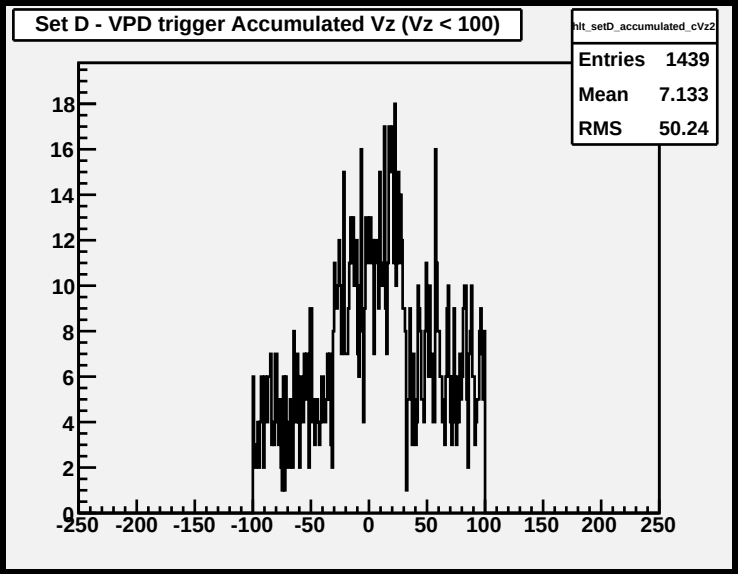

Set C - Periodic Z vertex (Vr < 2, pTracks > 5)
hlt_periodic_cVertexZ_3
Entries 0
Mean 0
RMS 0

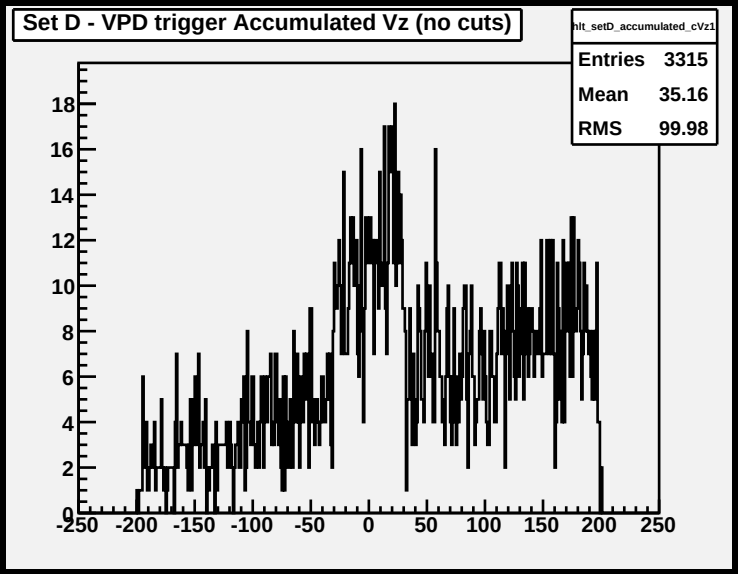

Set C - Periodic Z vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_periodic_cVertexZ_2
Entries 0
Mean 0
RMS 0

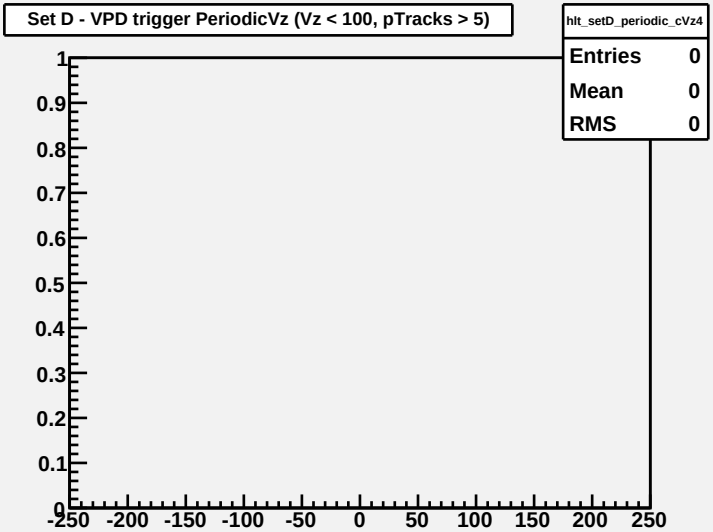

Set C - Periodic Z vertex (No Cuts)
hlt_periodic_cVertexZ_1
Entries 0
Mean 0
RMS 0

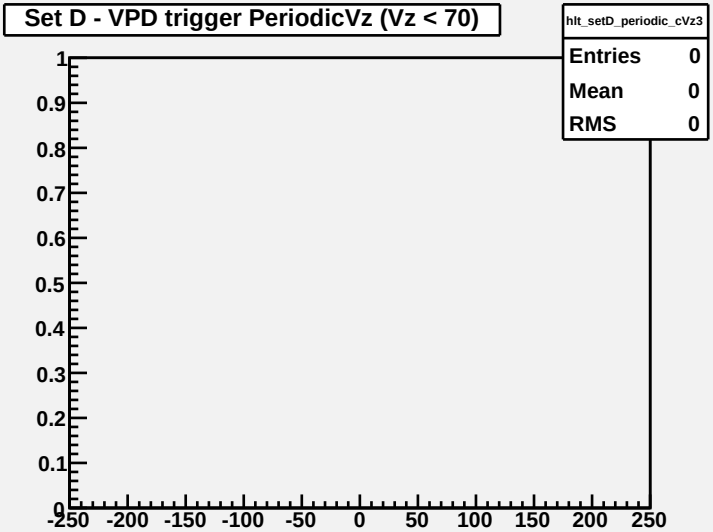

Set D - VPD trigger Accumulated Vz (Vz < 100, pTracks > 5)
hlt_setD_accumulated_cVz4
Entries 613
Mean 6.758
RMS 39.71

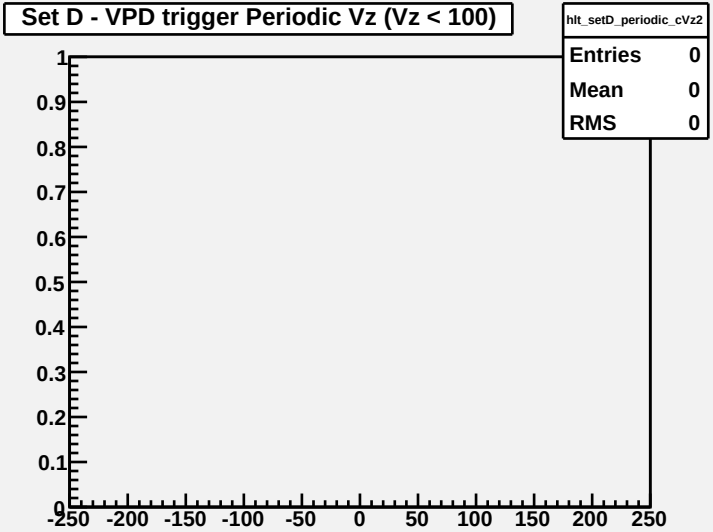

Set D - VPD trigger Accumulated Vz (Vz < 70)
hlt_setD_accumulated_cVz3
Entries 1129
Mean 4.605
RMS 35.22

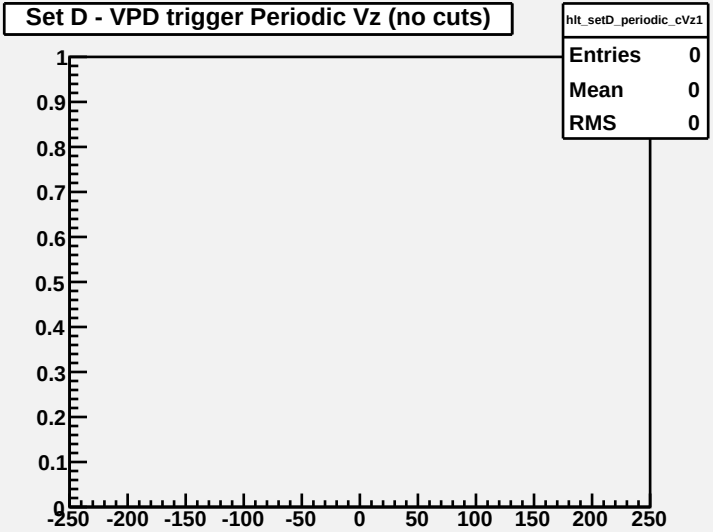

Set D - VPD trigger Accumulated Vz (Vz < 100)
hlt_setD_accumulated_cVz2
Entries 1439
Mean 7.133
RMS 50.24

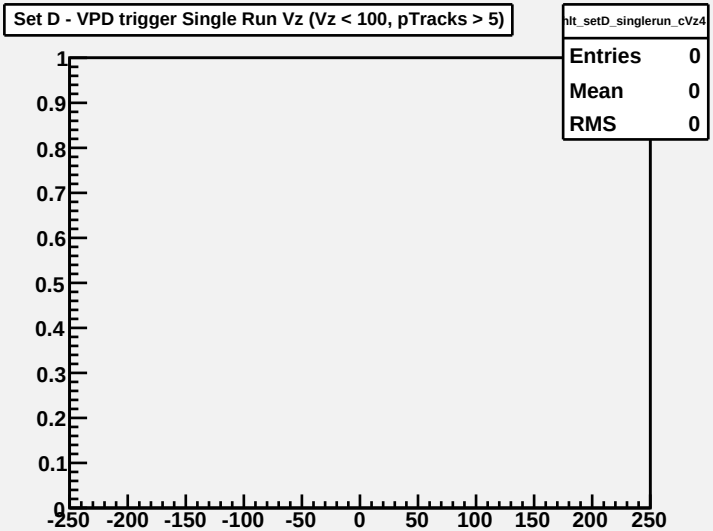

Set D - VPD trigger Accumulated Vz (no cuts)
hlt_setD_accumulated_cVz1
Entries 3315
Mean 35.16
RMS 99.98

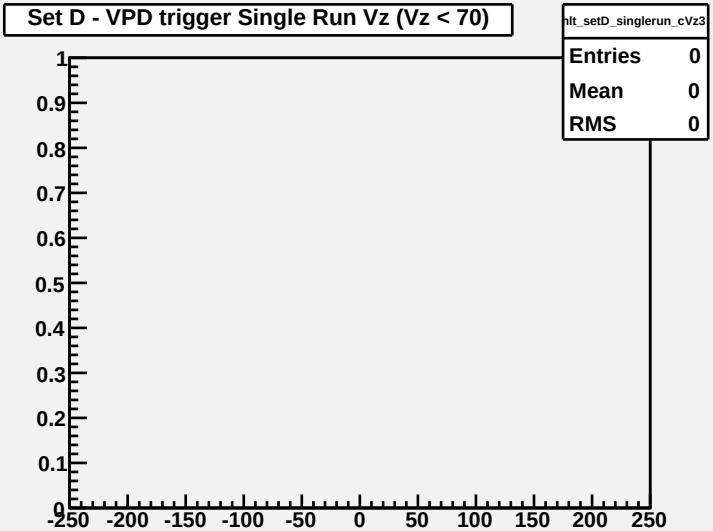

Set D - VPD trigger PeriodicVz (Vz < 100, pTracks > 5)
hlt_setD_periodic_cVz4
Entries 0
Mean 0
RMS 0

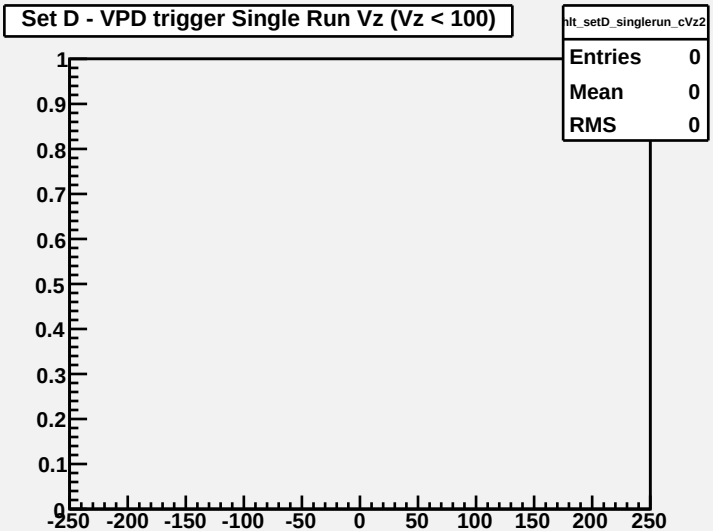

Set D - VPD trigger PeriodicVz (Vz < 70)
hlt_setD_periodic_cVz3
Entries 0
Mean 0
RMS 0

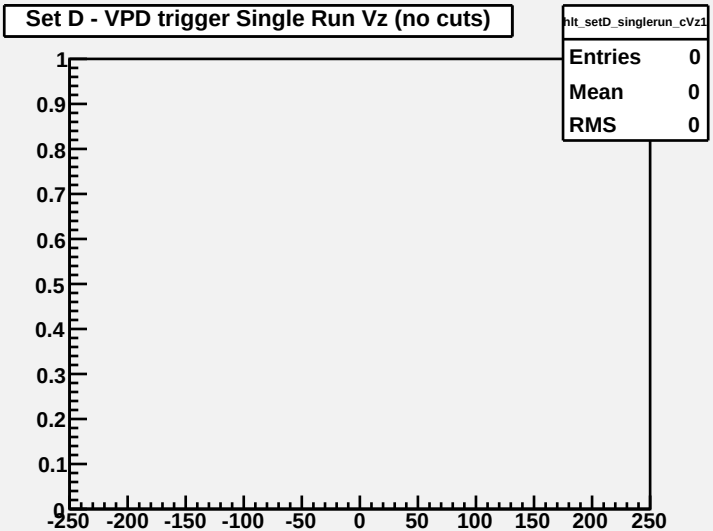

Set D - VPD trigger Periodic Vz (Vz < 100)
hlt_setD_periodic_cVz2
Entries 0
Mean 0
RMS 0

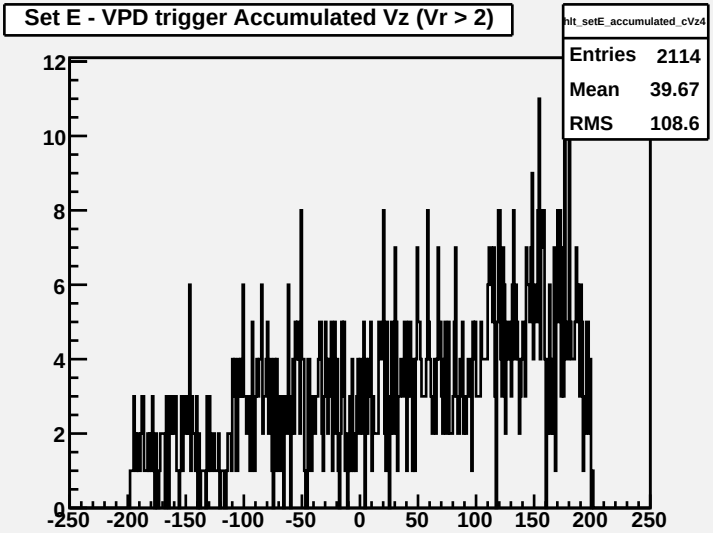

Set D - VPD trigger Periodic Vz (no cuts)
hlt_setD_periodic_cVz1
Entries 0
Mean 0
RMS 0

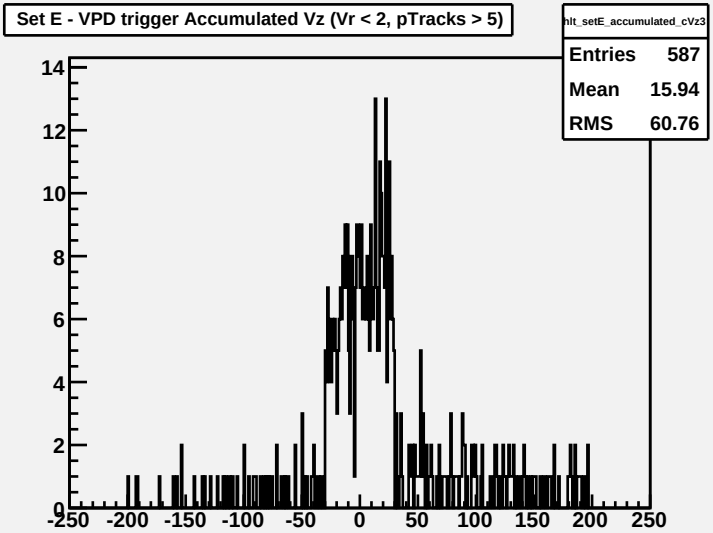

Set D - VPD trigger Single Run Vz (Vz < 100, pTracks > 5)
hlt_setD_singlerun_cVz4
Entries 0
Mean 0
RMS 0

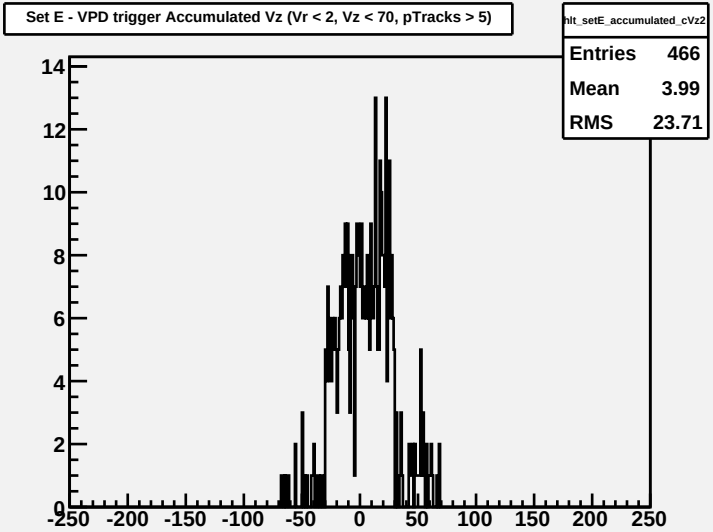

Set D - VPD trigger Single Run Vz (Vz < 70)
hlt_setD_singlerun_cVz3
Entries 0
Mean 0
RMS 0

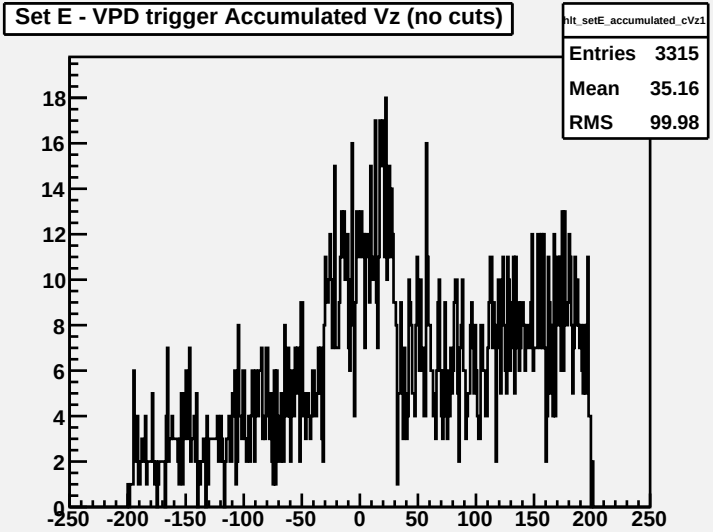

Set D - VPD trigger Single Run Vz (Vz < 100)
hlt_setD_singlerun_cVz2
Entries 0
Mean 0
RMS 0

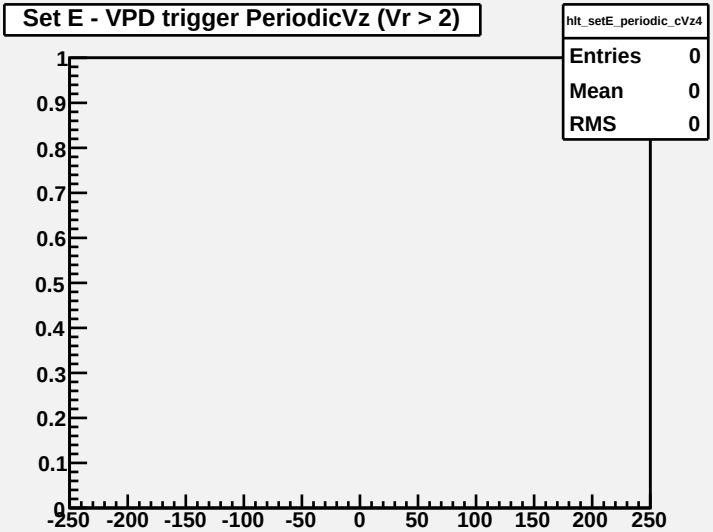

Set D - VPD trigger Single Run Vz (no cuts)
hlt_setD_singlerun_cVz1
Entries 0
Mean 0
RMS 0

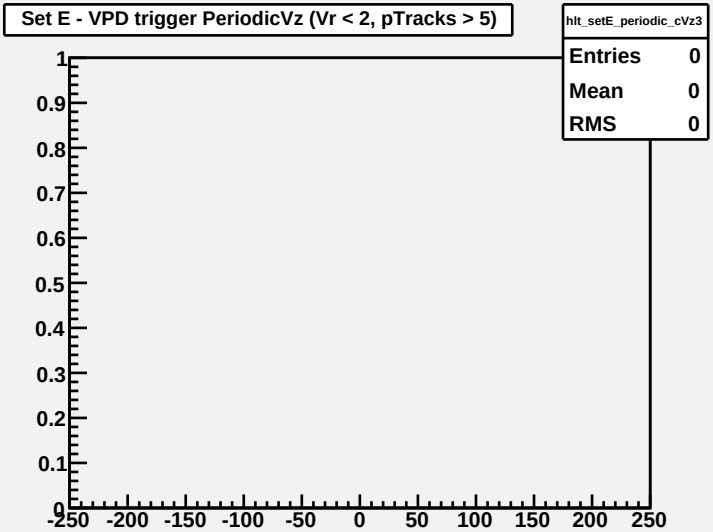

Set E - VPD trigger Accumulated Vz (Vr > 2)
hlt_setE_accumulated_cVz4
Entries 2114
Mean 39.67
RMS 108.6

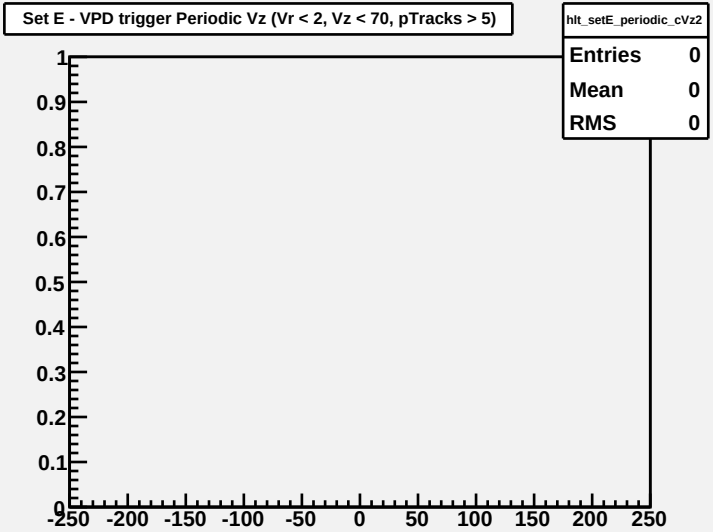

Set E - VPD trigger Accumulated Vz (Vr < 2, pTracks > 5)
hlt_setE_accumulated_cVz3
Entries 587
Mean 15.94
RMS 60.76

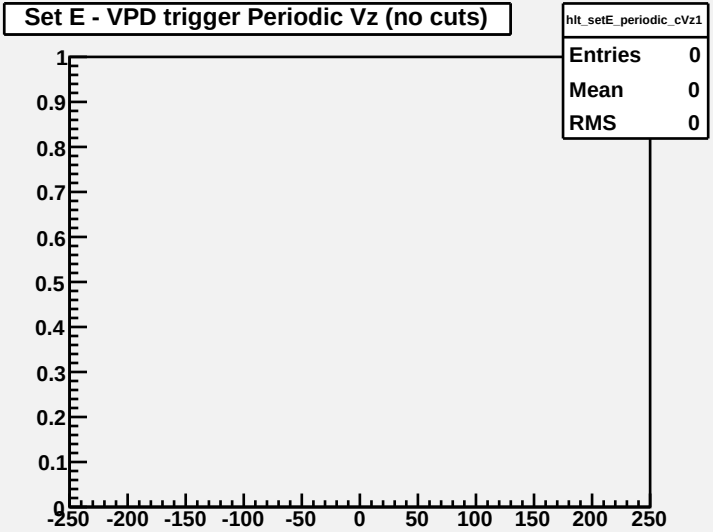

Set E - VPD trigger Accumulated Vz (Vr < 2, Vz < 70, pTracks > 5)
hlt_setE_accumulated_cVz2
Entries 466
Mean 3.99
RMS 23.71

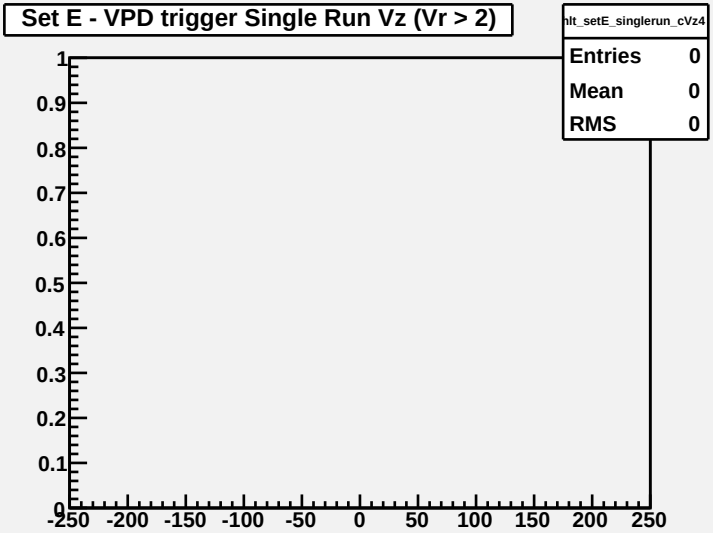

Set E - VPD trigger Accumulated Vz (no cuts)
hlt_setE_accumulated_cVz1
Entries 3315
Mean 35.16
RMS 99.98

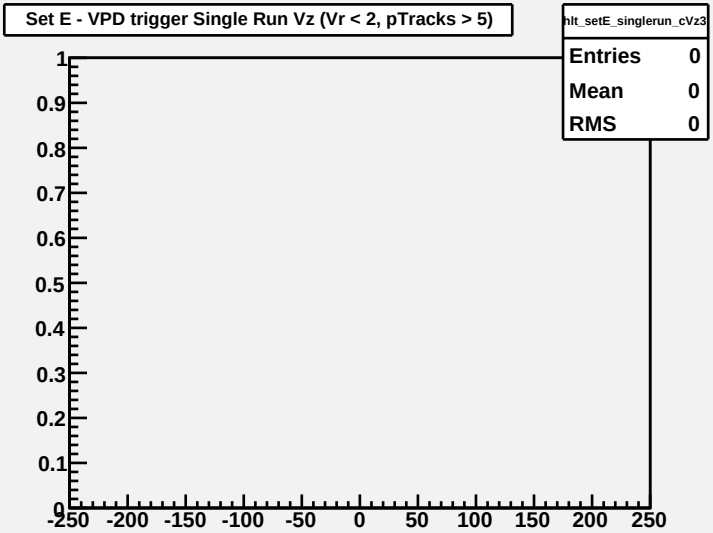

Set E - VPD trigger PeriodicVz (Vr > 2)
hlt_setE_periodic_cVz4
Entries 0
Mean 0
RMS 0

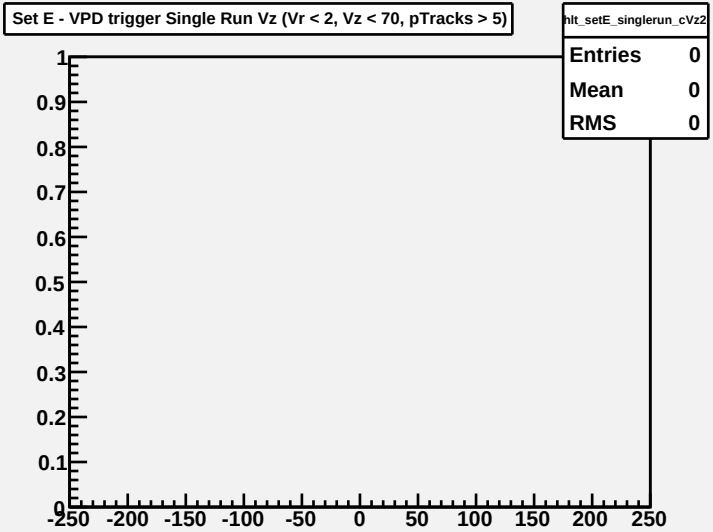

Set E - VPD trigger PeriodicVz (Vr < 2, pTracks > 5)
hlt_setE_periodic_cVz3
Entries 0
Mean 0
RMS 0

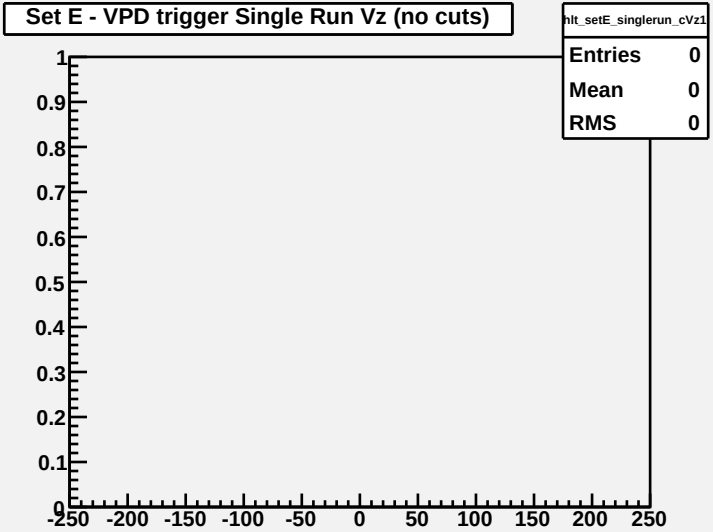

Set E - VPD trigger Periodic Vz (Vr < 2, Vz < 70, pTracks > 5)
hlt_setE_periodic_cVz2
Entries 0
Mean 0
RMS 0

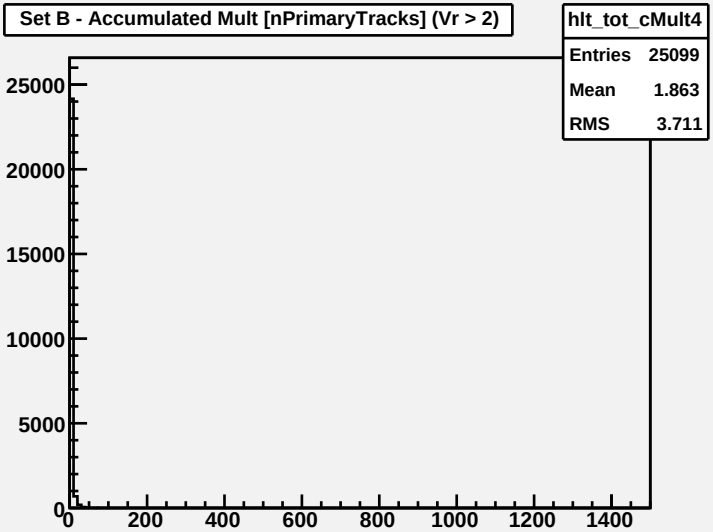

Set E - VPD trigger Periodic Vz (no cuts)
hlt_setE_periodic_cVz1
Entries 0
Mean 0
RMS 0

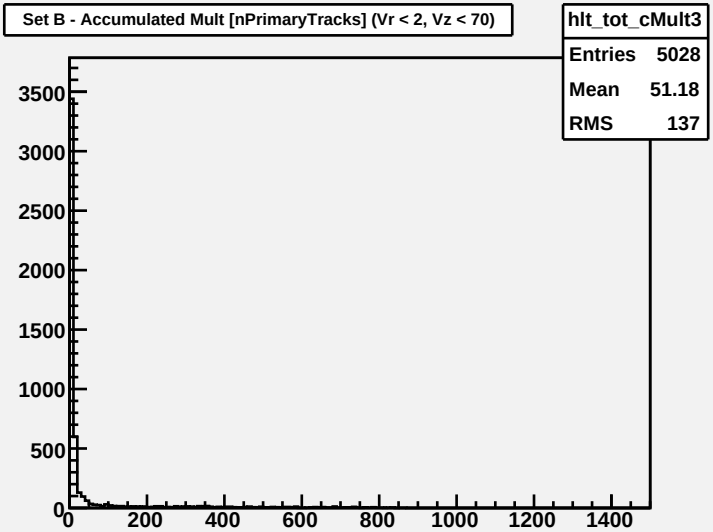

Set E - VPD trigger Single Run Vz (Vr > 2)
hlt_setE_singlerun_cVz4
Entries 0
Mean 0
RMS 0

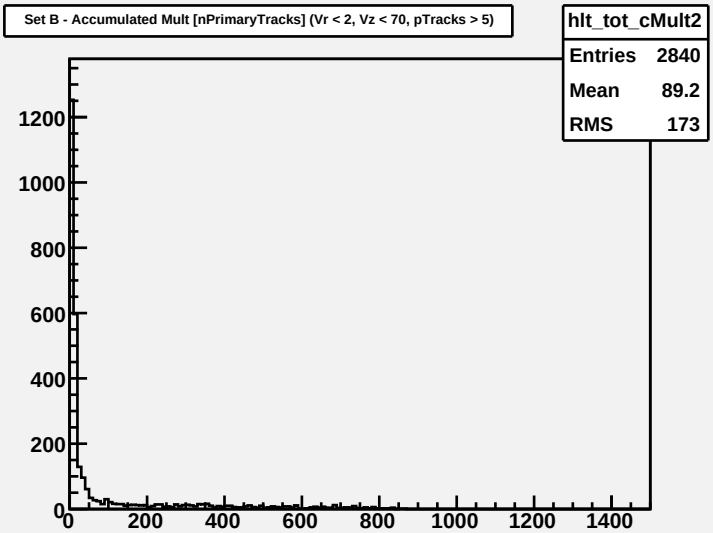

Set E - VPD trigger Single Run Vz (Vr < 2, pTracks > 5)
hlt_setE_singlerun_cVz3
Entries 0
Mean 0
RMS 0

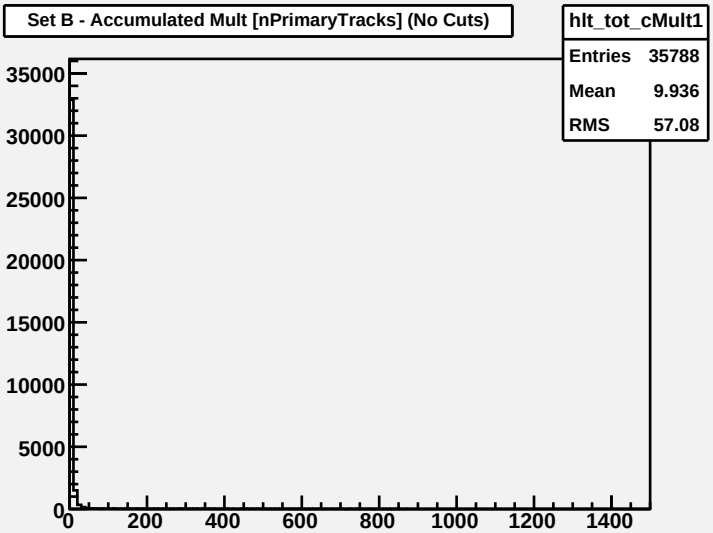

Set E - VPD trigger Single Run Vz (Vr < 2, Vz < 70, pTracks > 5)
hlt_setE_singlerun_cVz2
Entries 0
Mean 0
RMS 0

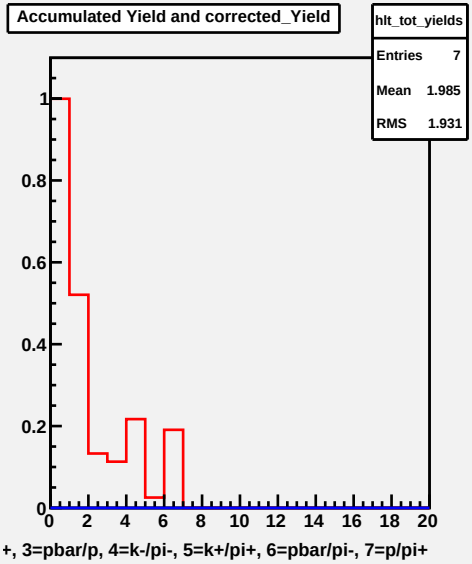

Set E - VPD trigger Single Run Vz (no cuts)
hlt_setE_singlerun_cVz1
Entries 0
Mean 0
RMS 0

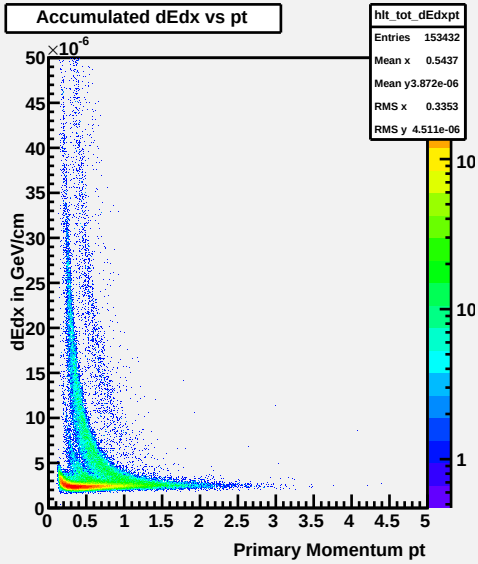

Set B - Accumulated Mult [nPrimaryTracks] (Vr > 2)
hlt_tot_cMult4
Entries 25099
Mean 1.863
RMS 3.711
25000
20000
15000
10000
5000
0
0
200
400
600
800
1000
1200
1400

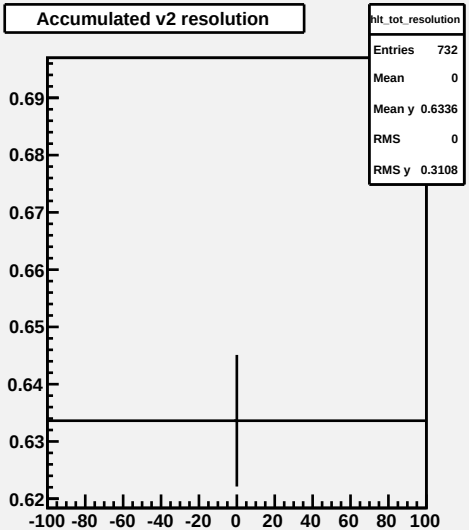

Set B - Accumulated Mult [nPrimaryTracks] (Vr < 2, Vz < 70)
hlt_tot_cMult3
Entries 5028
Mean 51.18
RMS 137
3500
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200
1400

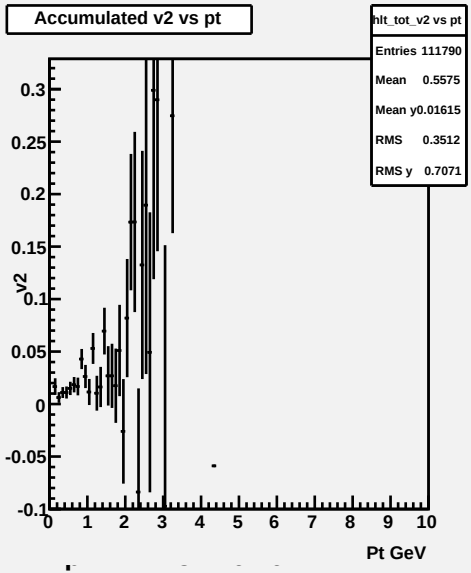

Set B - Accumulated Mult [nPrimaryTracks] (Vr < 2, Vz < 70, pTracks > 5)
hlt_tot_cMult2
Entries 2840
Mean 89.2
RMS 173
1200
1000
800
600
400
200
0
0
200
400
600
800
1000
1200
1400

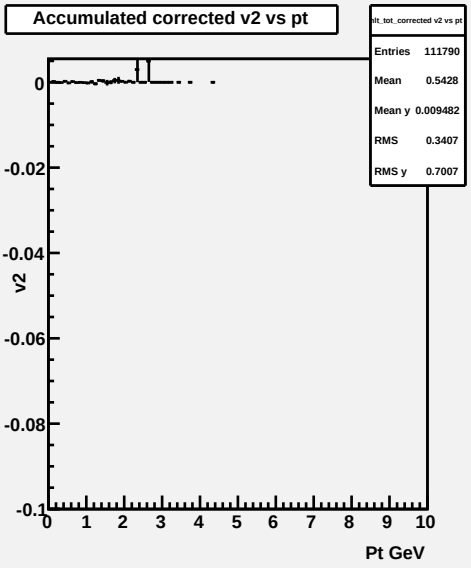

Set B - Accumulated Mult [nPrimaryTracks] (No Cuts)
hlt_tot_cMult1
Entries 35788
Mean 9.936
RMS 57.08
35000
30000
25000
20000
15000
10000
5000
0
0
200
400
600
800
1000
1200
1400

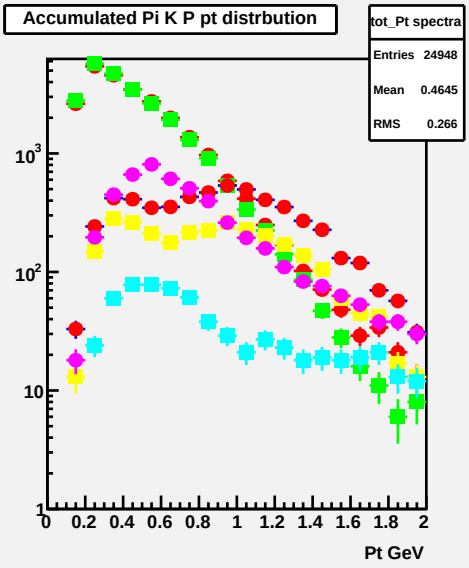

Accumulated Yield and corrected_Yield
hlt_tot_yields
Entries 7
Mean 1.985
RMS 1.931
+, 3=pbar/p, 4=k-/pi-, 5=k+/pi+, 6=pbar/pi-, 7=p/pi+

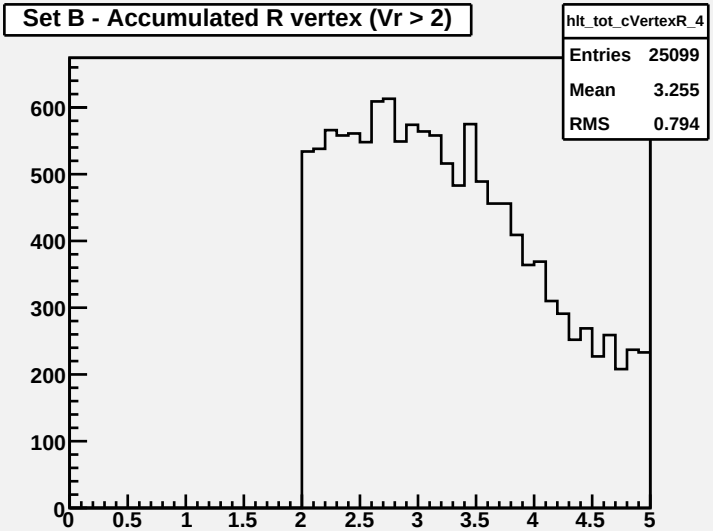

Accumulated dEdx vs pt
hlt_tot_dEdxpt
Entries 153432
Mean x 0.5437
Mean y 3.872e-06
RMS x 0.3353
RMS y 4.511e-06
dEdx in GeV/cm
Primary Momentum pt

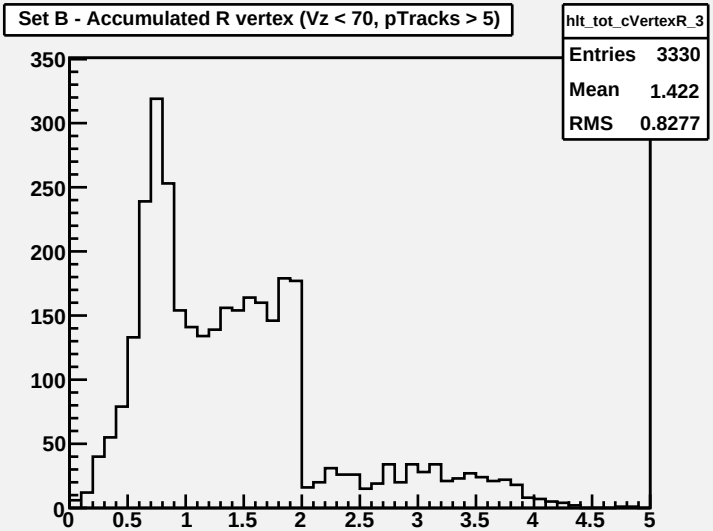

Accumulated v2 resolution
hlt_tot_resolution
Entries 732
Mean 0
Mean y 0.6336
RMS 0
RMS y 0.3108

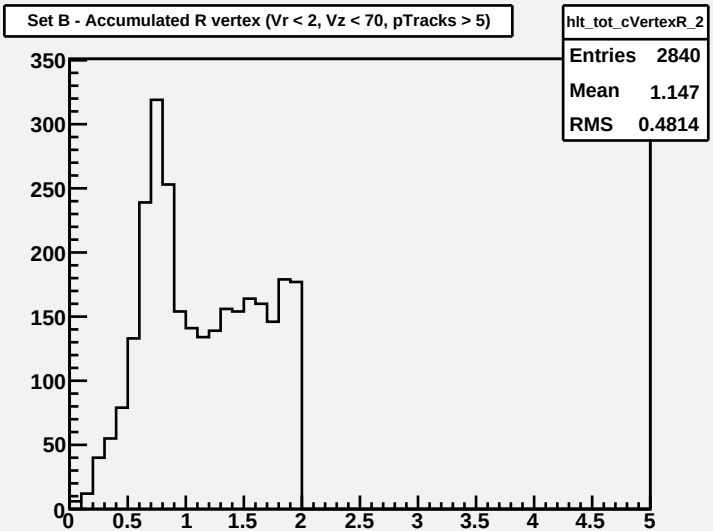

Accumulated v2 vs pt
hlt_tot_v2 vs pt
Entries 111790
Mean 0.5575
Mean y 0.01615
RMS 0.3512
RMS y 0.7071
v2
Pt GeV

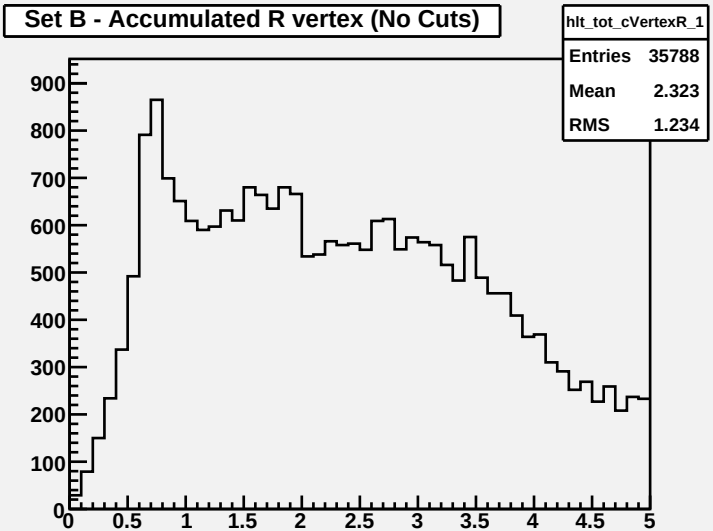

Accumulated corrected v2 vs pt
hlt_tot_corrected v2 vs pt
Entries 111790
Mean 0.5428
Mean y 0.009482
RMS 0.3407
RMS y 0.7007
v2
Pt GeV

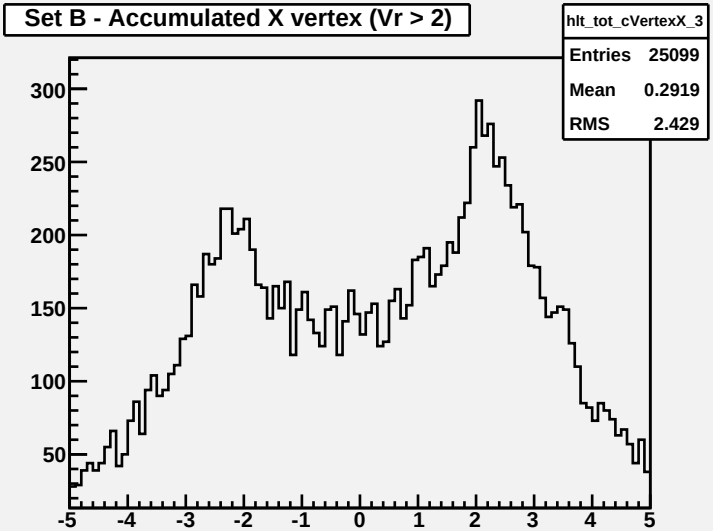

Accumulated Pi K P pt distrbution
tot_Pt spectra
Entries 24948
Mean 0.4645
RMS 0.266
Pt GeV

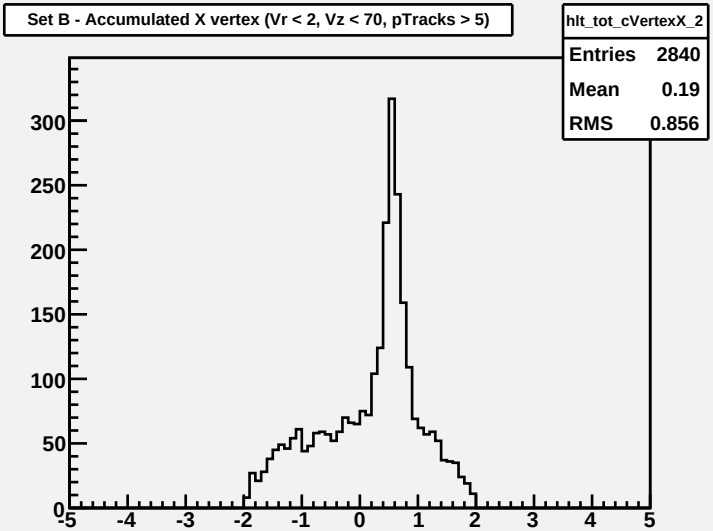

Set B - Accumulated R vertex (Vr > 2)
hlt_tot_cVertexR_4
Entries 25099
Mean 3.255
RMS 0.794

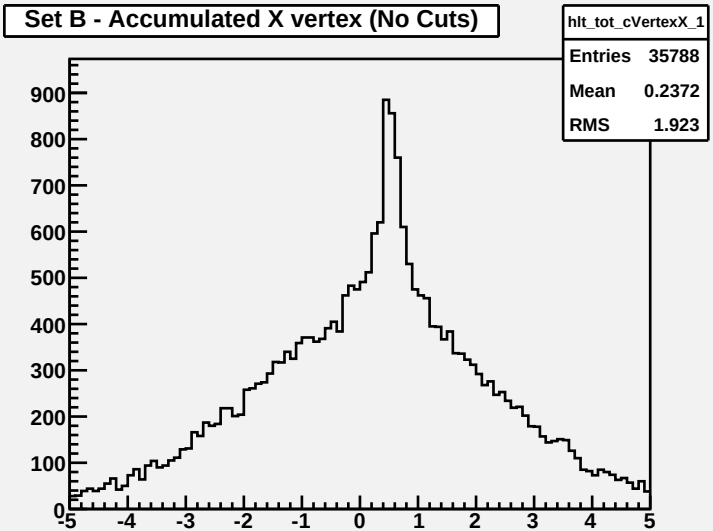

Set B - Accumulated R vertex (Vz < 70, pTracks > 5)
hlt_tot_cVertexR_3
Entries 3330
Mean 1.422
RMS 0.8277

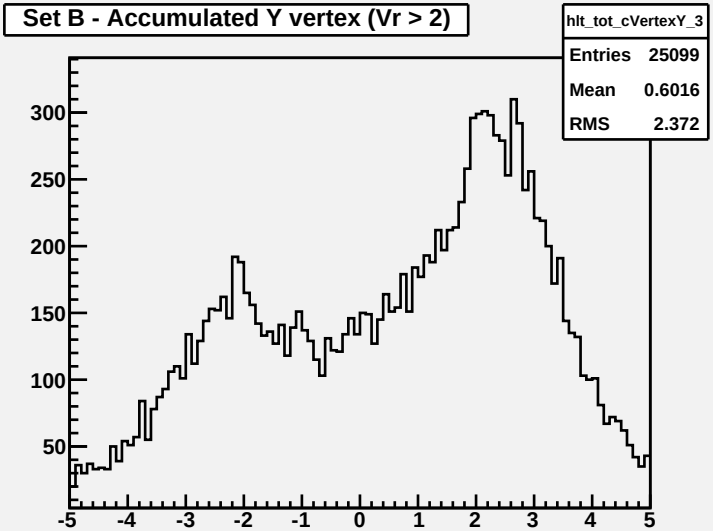

Set B - Accumulated R vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_tot_cVertexR_2
Entries 2840
Mean 1.147
RMS 0.4814

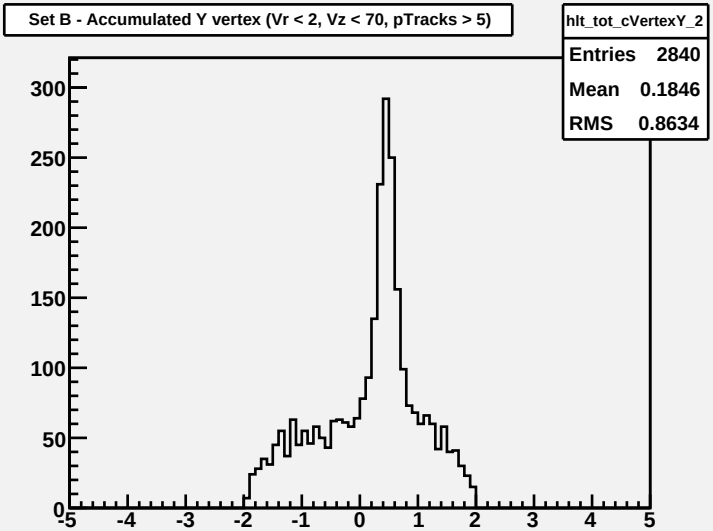

Set B - Accumulated R vertex (No Cuts)
hlt_tot_cVertexR_1
Entries 35788
Mean 2.323
RMS 1.234

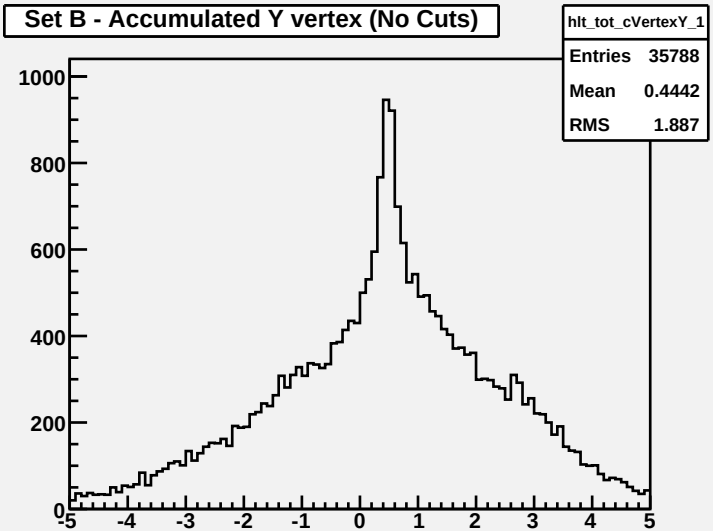

Set B - Accumulated X vertex (Vr > 2)
hlt_tot_cVertexX_3
Entries 25099
Mean 0.2919
RMS 2.429
300
250
200
150
100
50
-5 -4 -3 -2 -1 0 1 2 3 4 5

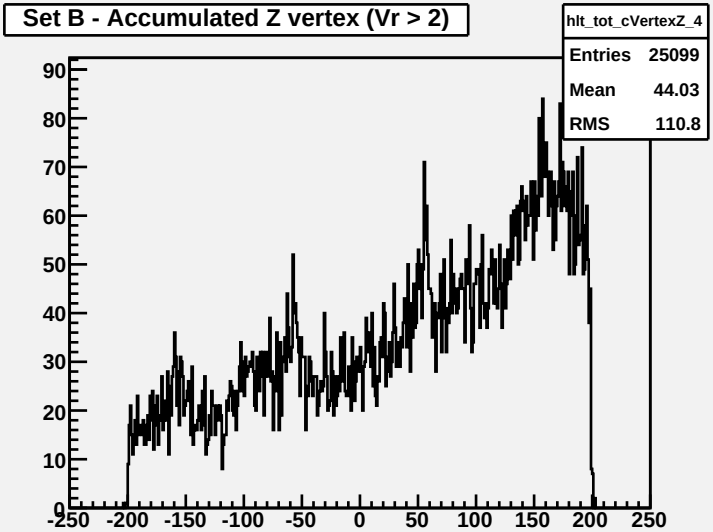

Set B - Accumulated X vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_tot_cVertexX_2
Entries 2840
Mean 0.19
RMS 0.856
300
250
200
150
100
50
0
-5 -4 -3 -2 -1 0 1 2 3 4 5

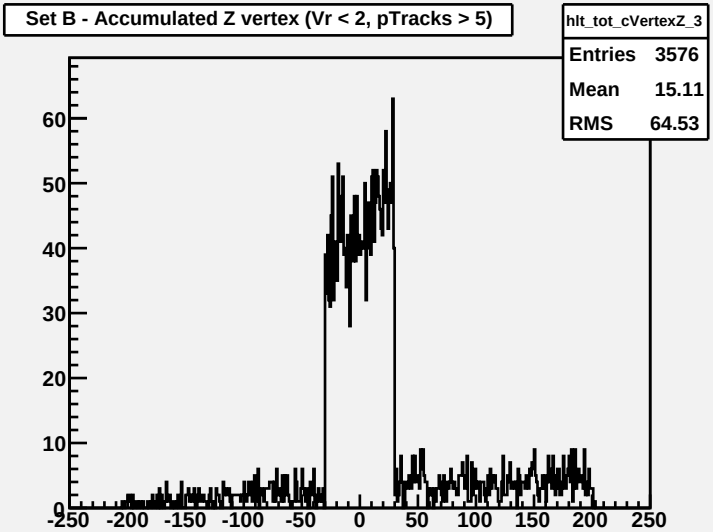

Set B - Accumulated X vertex (No Cuts)
hlt_tot_cVertexX_1
Entries 35788
Mean 0.2372
RMS 1.923
900
800
700
600
500
400
300
200
100
0
-5 -4 -3 -2 -1 0 1 2 3 4 5

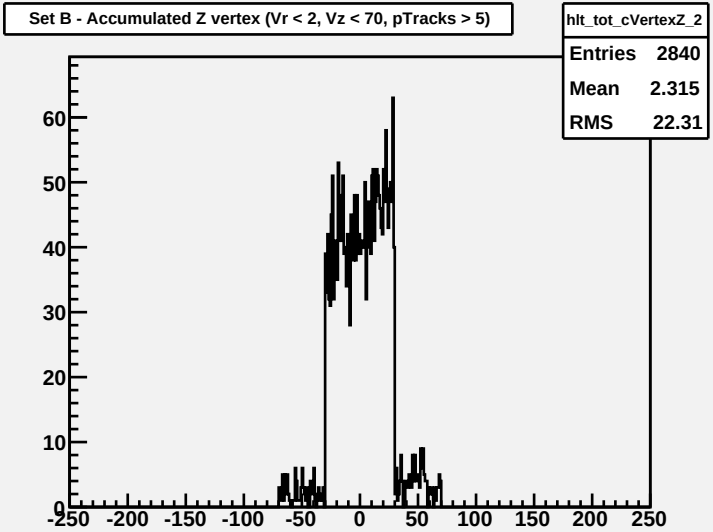

Set B - Accumulated Y vertex (Vr > 2)
hlt_tot_cVertexY_3
Entries 25099
Mean 0.6016
RMS 2.372
300
250
200
150
100
50
-5 -4 -3 -2 -1 0 1 2 3 4 5

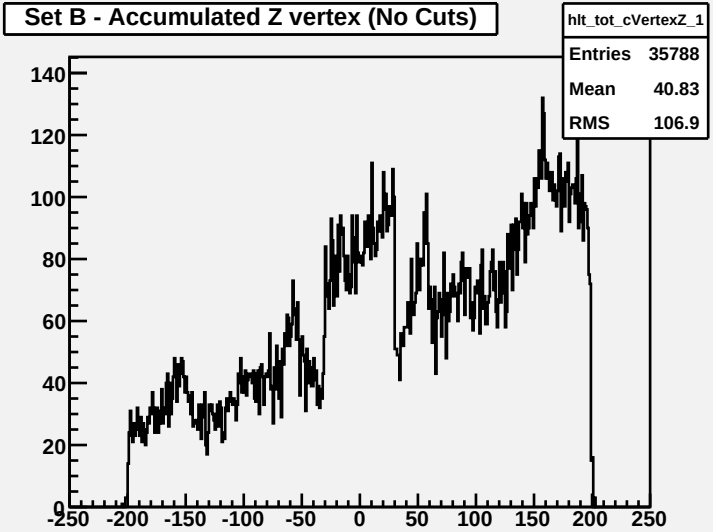

Set B - Accumulated Y vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_tot_cVertexY_2
Entries 2840
Mean 0.1846
RMS 0.8634
300
250
200
150
100
50
0
-5 -4 -3 -2 -1 0 1 2 3 4 5

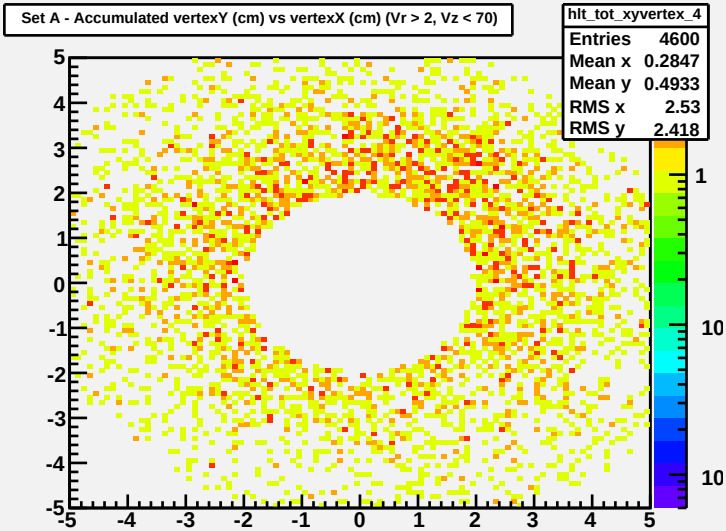

Set B - Accumulated Y vertex (No Cuts)
hlt_tot_cVertexY_1
Entries 35788
Mean 0.4442
RMS 1.887
1000
800
600
400
200
0
-5 -4 -3 -2 -1 0 1 2 3 4 5

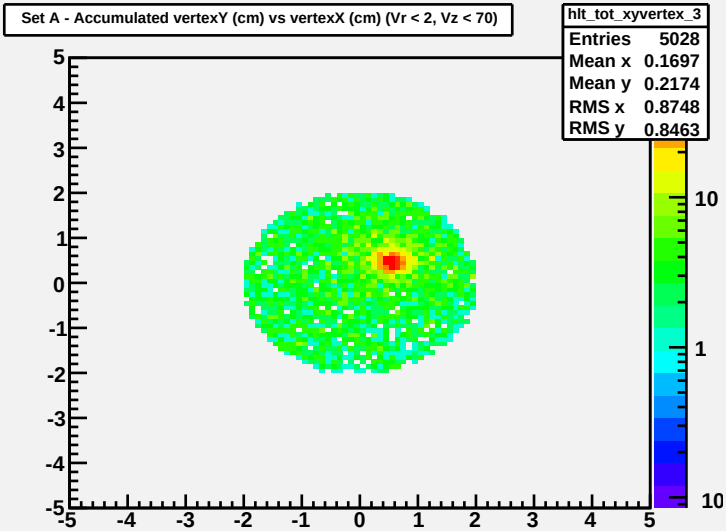

Set B - Accumulated Z vertex (Vr > 2)
hlt_tot_cVertexZ_4
Entries 25099
Mean 44.03
RMS 110.8

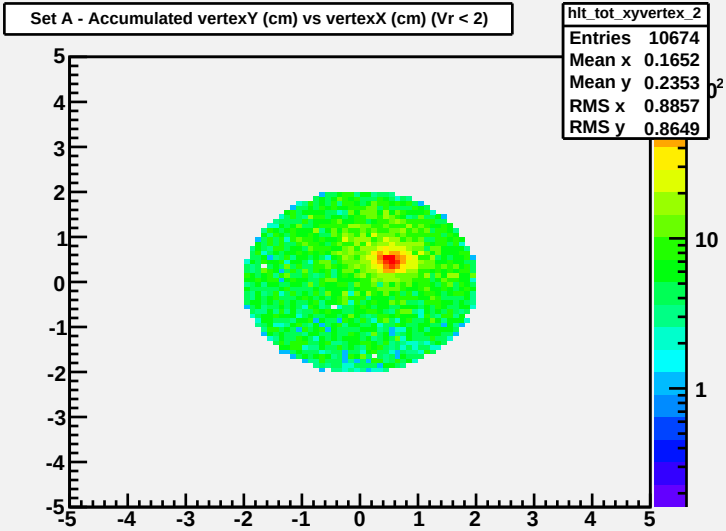

Set B - Accumulated Z vertex (Vr < 2, pTracks > 5)
hlt_tot_cVertexZ_3
Entries 3576
Mean 15.11
RMS 64.53

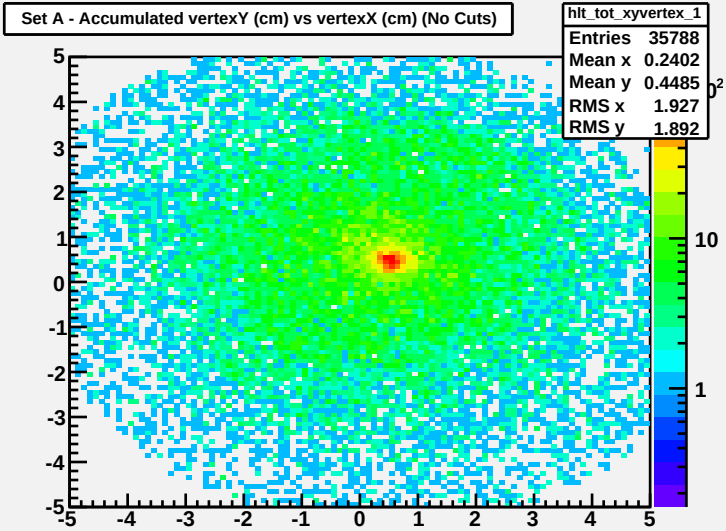

Set B - Accumulated Z vertex (Vr < 2, Vz < 70, pTracks > 5)
hlt_tot_cVertexZ_2
Entries 2840
Mean 2.315
RMS 22.31


Set B - Accumulated Z vertex (No Cuts)
hlt_tot_cVertexZ_1
Entries 35788
Mean 40.83
RMS 106.9


Set A - Accumulated vertexY (cm) vs vertexX (cm) (Vr > 2, Vz < 70)
hlt_tot_xyvertex_4
Entries 4600
Mean x 0.2847
Mean y 0.4933
RMS x 2.53
RMS y 2.418


Set A - Accumulated vertexY (cm) vs vertexX (cm) (Vr < 2, Vz < 70)
hlt_tot_xyvertex_3
Entries 5028
Mean x 0.1697
Mean y 0.2174
RMS x 0.8748
RMS y 0.8463


Set A - Accumulated vertexY (cm) vs vertexX (cm) (Vr < 2)
hlt_tot_xyvertex_2
Entries 10674
Mean x 0.1652
Mean y 0.2353
RMS x 0.8857
RMS y 0.8649


Set A - Accumulated vertexY (cm) vs vertexX (cm) (No Cuts)
hlt_tot_xyvertex_1
Entries 35788
Mean x 0.2402
Mean y 0.4485
RMS x 1.927
RMS y 1.892

Fri Apr 22 21:54:11 2011