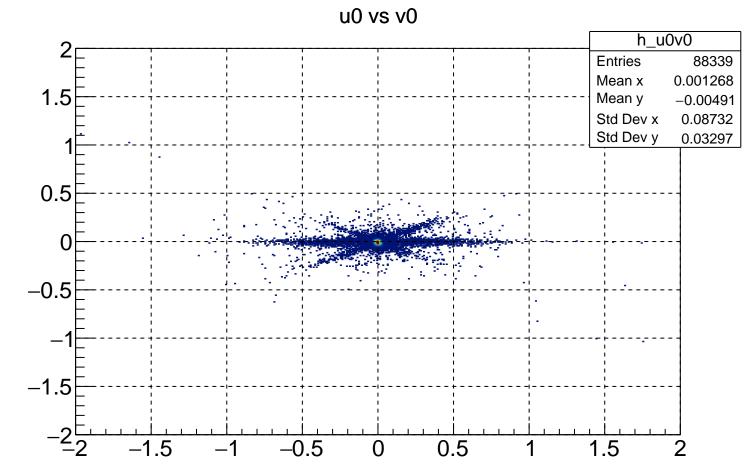
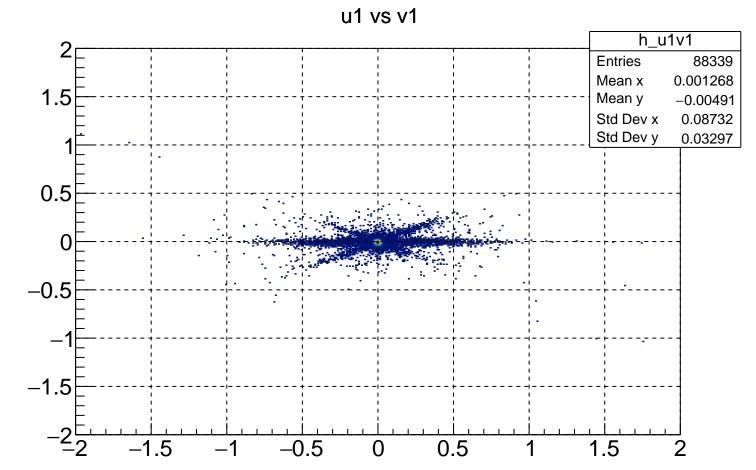
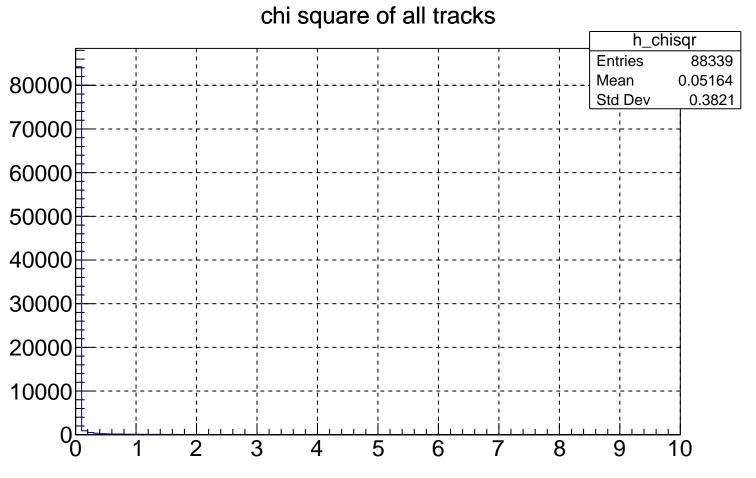
x0 vs y0 h\_x0y0 200 **Entries** 88339 Mean x -1.749150 Mean y -4.803Std Dev x 32.6 Std Dev y 30.01 100 50 -50-100-150200 -150-100-5050 100 150

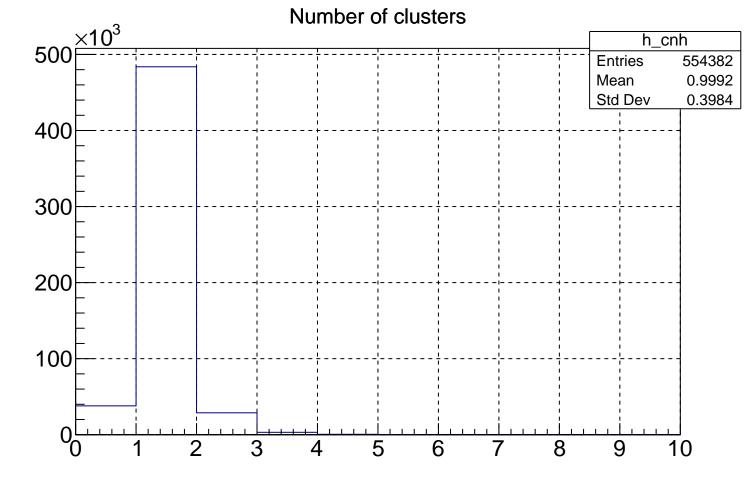


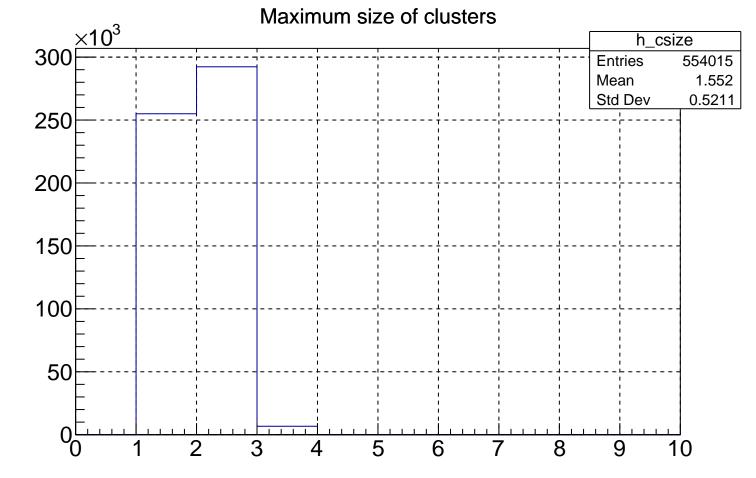
x1 vs y1 h\_x1y1 200 **Entries** 88339 Mean x -1.017150 Mean y -14.57Std Dev x 60.41 Std Dev y 65.84 100 50 -50-100-150200 50 100 150 -150-100





chi square after Prob h\_chisqr\_prob **Entries** 88339 80000 Mean 0.9833 Std Dev 0.09493 70000 60000 50000 40000 30000 20000 10000 0.4 0.6 8.0

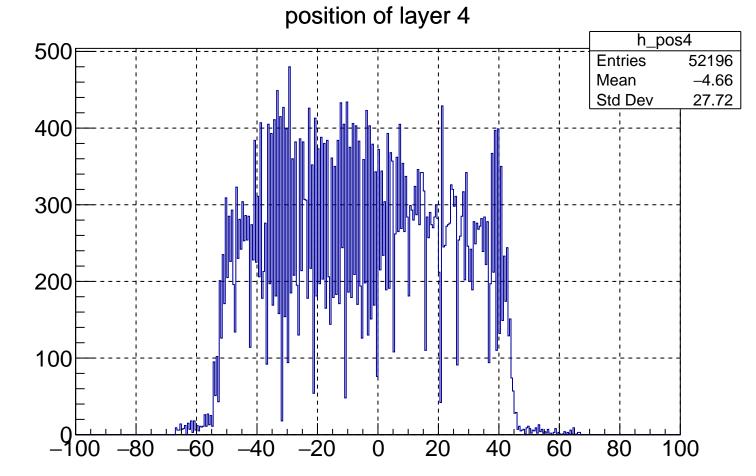




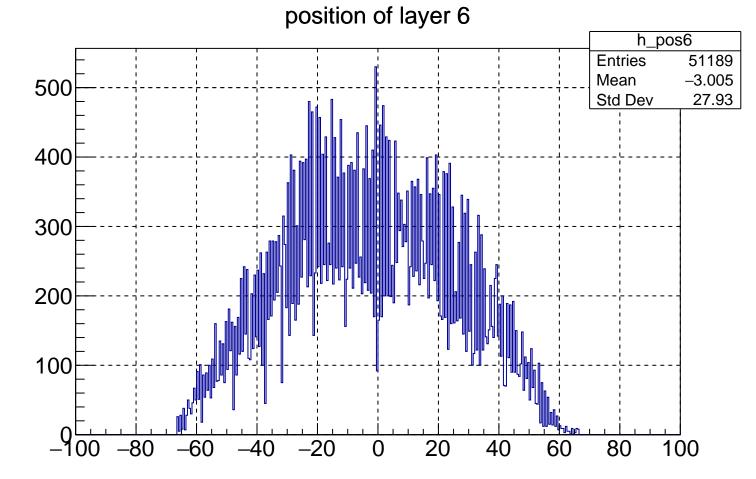
position of layer 1 h\_pos1 **Entries** 86002 Mean -3.128700 26.07 Std Dev 600 500 400 300 200 100 -80-2020 40 60 80 100 -60

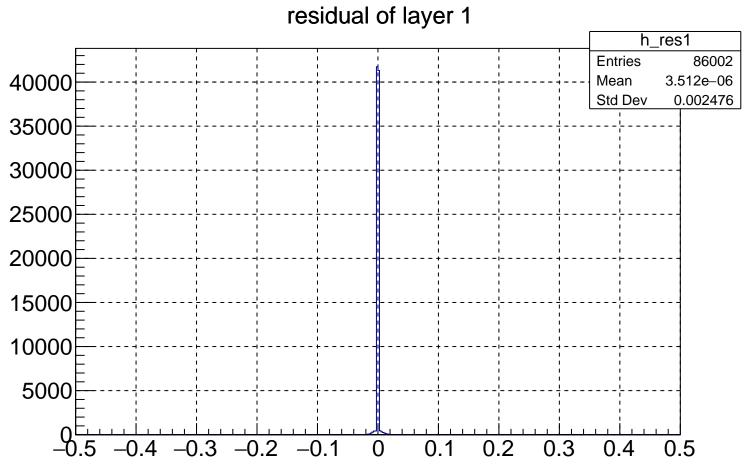
position of layer 2 h\_pos2 **Entries** Mean -3.656Std Dev 25.89 -80-20

position of layer 3 h\_pos3 **Entries** Mean -1.414Std Dev 25.83 -20



position of layer 5 h\_pos5 900 **Entries** 84088 Mean -4.393800 Std Dev 27.59 700 600 500 400 300 200 100 <del>-</del>60 -80 -2020 40 60 80 100





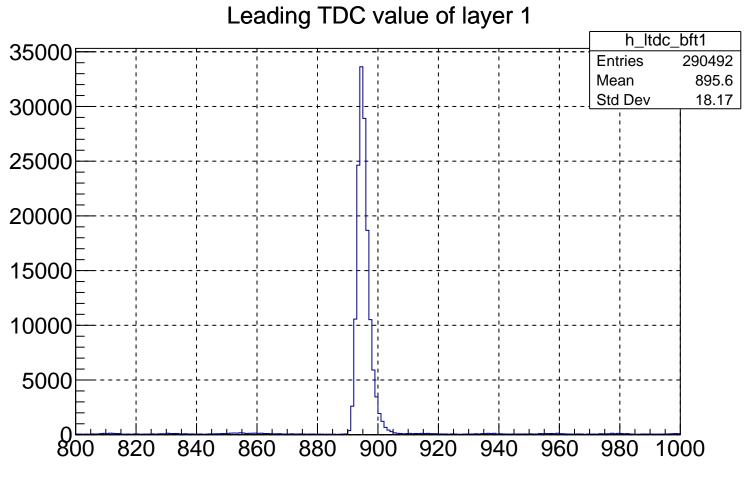
residual of layer 2 h\_res2 **Entries** 84086 40000 Mean -2.557e-06 Std Dev 0.0007203 35000 30000 25000 20000 15000 10000 5000 -0.4 -0.3 -0.2 -0.10.2 0.3 0.4 0.5 0.1

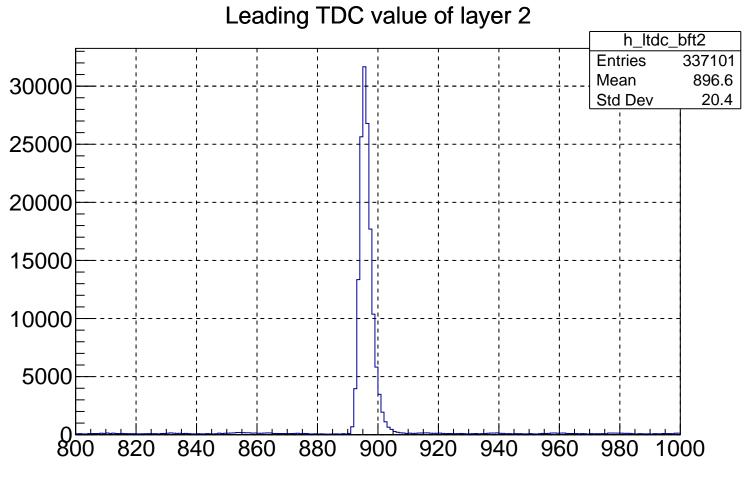
residual of layer 3 h\_res3 **Entries** 84134 Mean 0.005116 Std Dev 0.2675 300 250 200 150 100 -0.5 -0.4 -0.30.5 -0.20.1 0.2 0.3 0.4

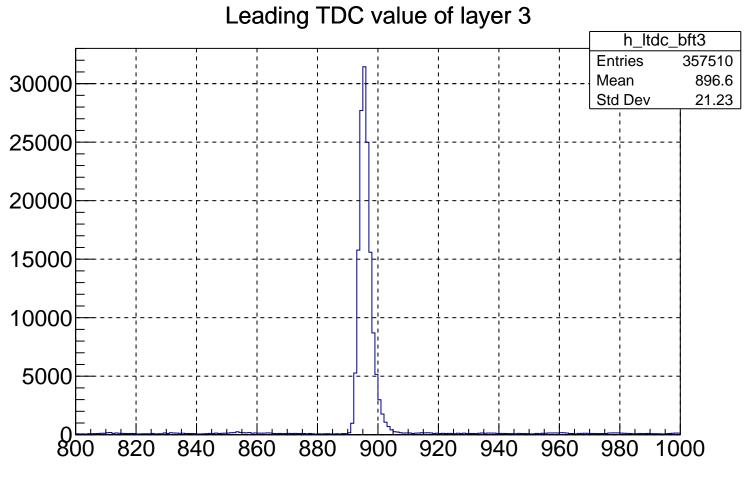
residual of layer 4 h\_res4 24000 **Entries** 52196 Mean 0.0002094 22000 Std Dev 0.05361 20000 18000 16000 14000 12000 10000 8000 6000 4000 2000 -0.4 -0.3 -0.20.2 0.3 0.5 0.4 0.1

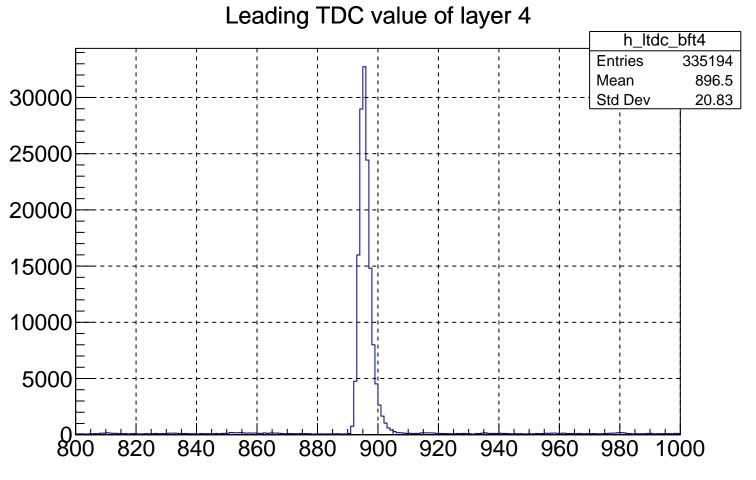
residual of layer 5 h\_res5 **Entries** 84088 40000 Mean -6.191e-05 Std Dev 0.0257 35000 30000 25000 20000 15000 10000 5000 -0.4 -0.3 -0.2 -0.10.2 0.3 0.4 0.5 0.1

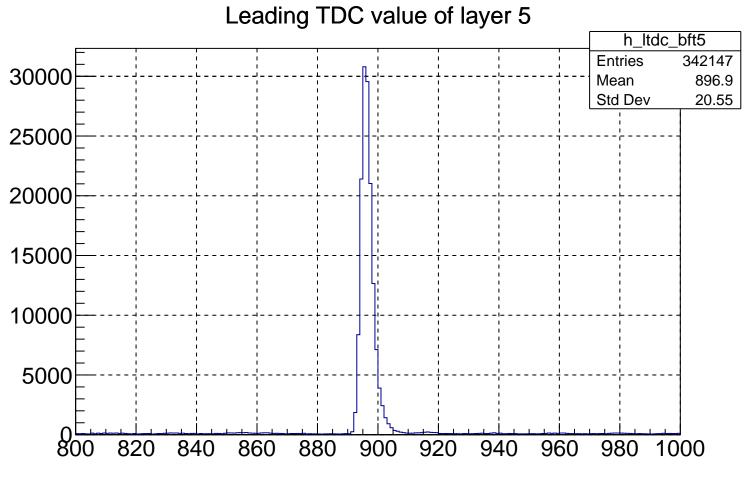
residual of layer 6 h\_res6 24000 **Entries** 51189 22000 Mean -9.965e-05Std Dev 0.03229 20000 18000 16000 14000 12000 10000 8000 6000 4000 2000 -0.3 -0.20.2 0.3 0.4 0.5 0.1

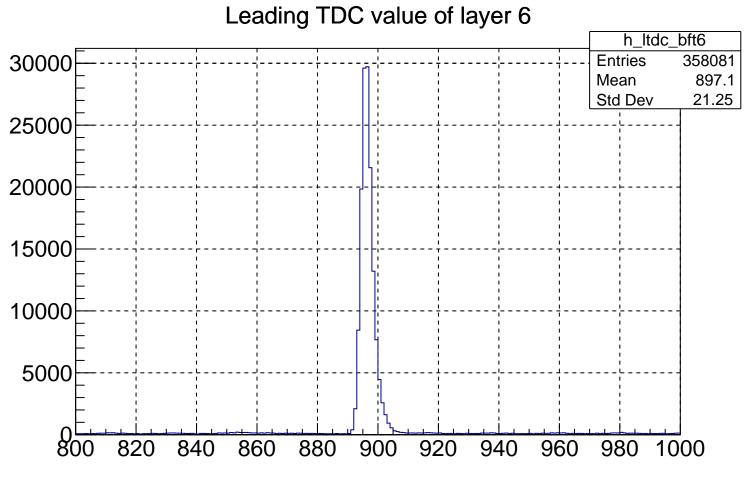












Time over threshold of layer 1 h\_tot\_bft1 Entries Mean 23.72 Std Dev 13.43 

Time over threshold of layer 2 h\_tot\_bft2 **Entries** Mean 21.41 Std Dev 12.82 

Time over threshold of layer 3 h\_tot\_bft3 **Entries** Mean 21.07 Std Dev 13.24 

Time over threshold of layer 4 h\_tot\_bft4 **Entries** Mean 21.38 Std Dev 13.43 

Time over threshold of layer 5 h\_tot\_bft5 **Entries** Mean 21.55 Std Dev 13.37 

Time over threshold of layer 6 h\_tot\_bft6 **Entries** 20.41 Mean Std Dev 12.77