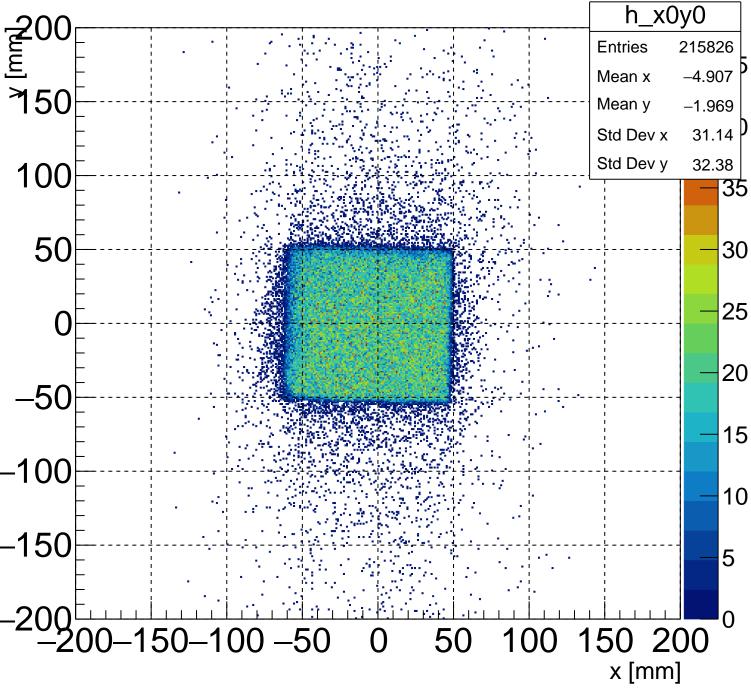
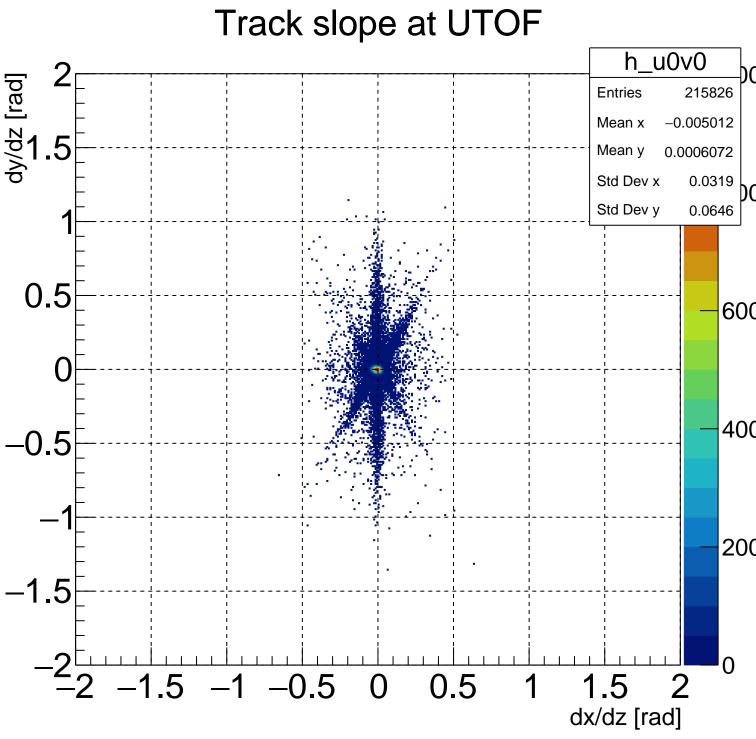
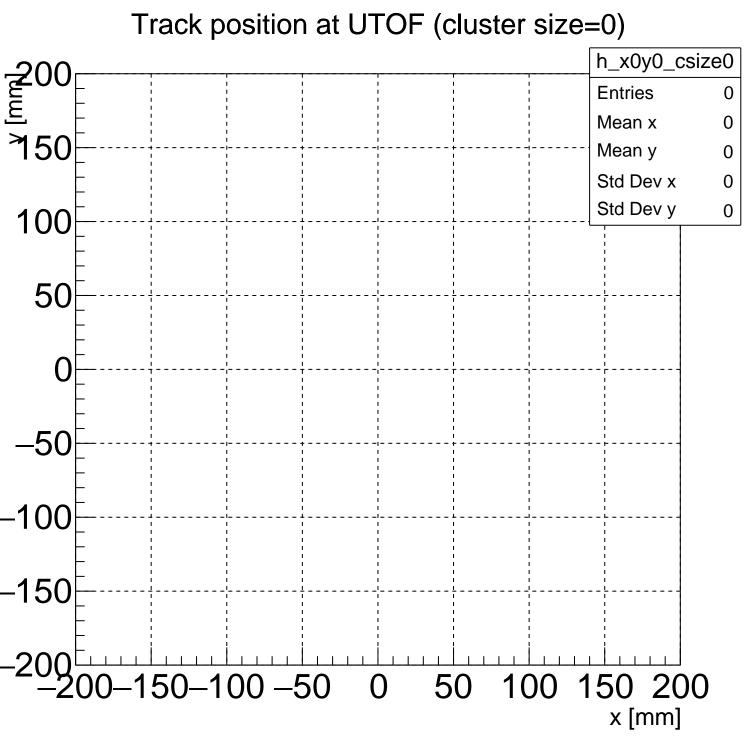
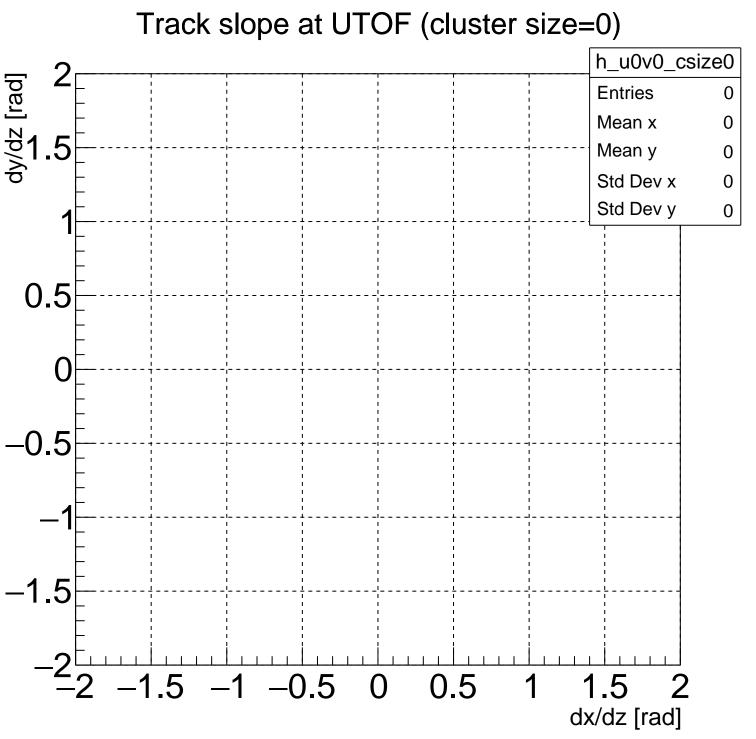
Track position at UTOF









Track position at UTOF (cluster size=1) h_x0y0_csize1 200 150 **Entries** 645394 Mean x -5.068Mean y -1.24Std Dev x 32.01 Std Dev y 35.81 50 150 100 150 200 50 x [mm]

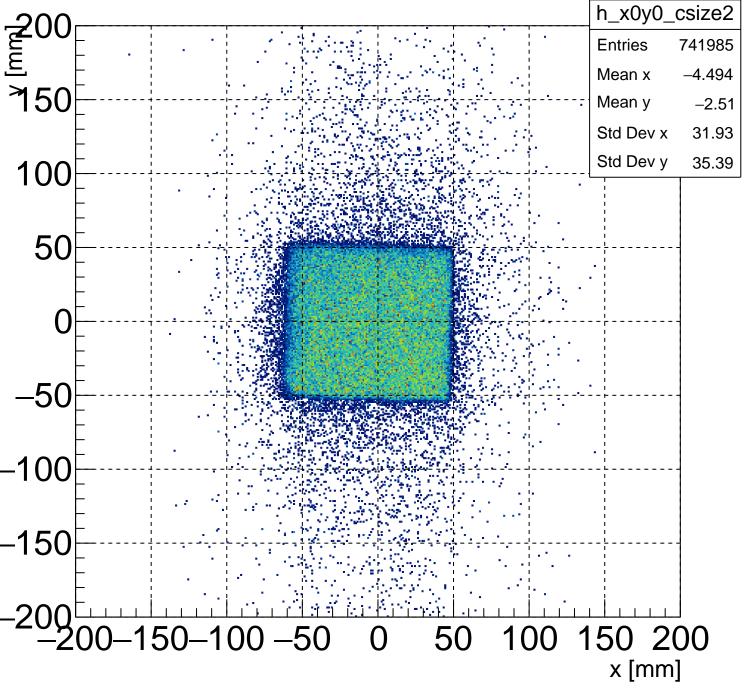
100

-50

100

Track slope at UTOF (cluster size=1) h_u0v0_csize1 dy/dz [rad] **Entries** 645394 Mean x -0.004619 Mean y 0.001183 Std Dev x 0.04235 Std Dev y 0.09189 0.5 0.5 1.5 dx/dz [rad]

Track position at UTOF (cluster size=2)



Track slope at UTOF (cluster size=2) h_u0v0_csize2 dy/dz [rad] **Entries** 741985 -0.004826Mean x Mean y 0.0006693 Std Dev x 0.04221 Std Dev y 0.08537 0.5 0.5 1.5 dx/dz [rad]

Track position at UTOF (cluster size=3) h_x0y0_csize3 200 150 **Entries** 16970 Mean x -3.548Mean y -3.496Std Dev x 33.64 Std Dev y 39.83 150 50 100 150 200

x [mm]

100

50

-50

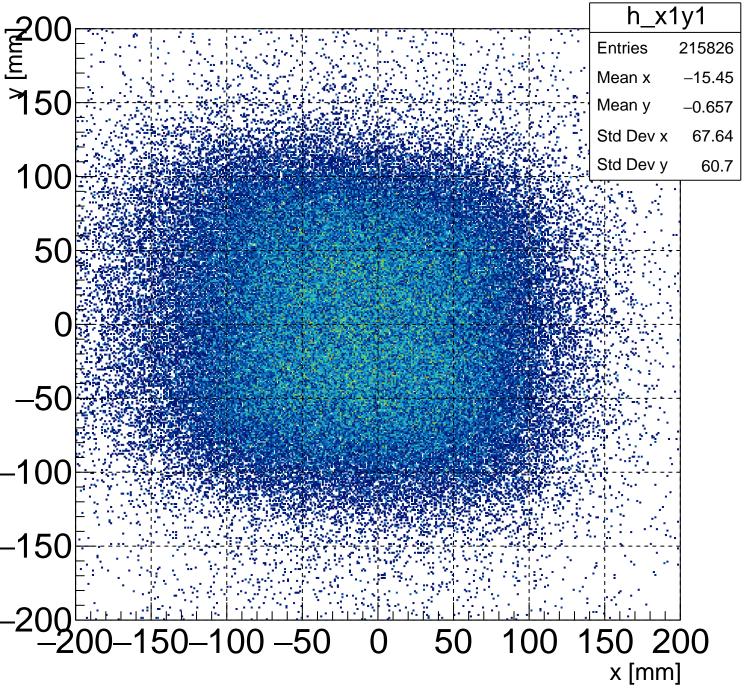
100

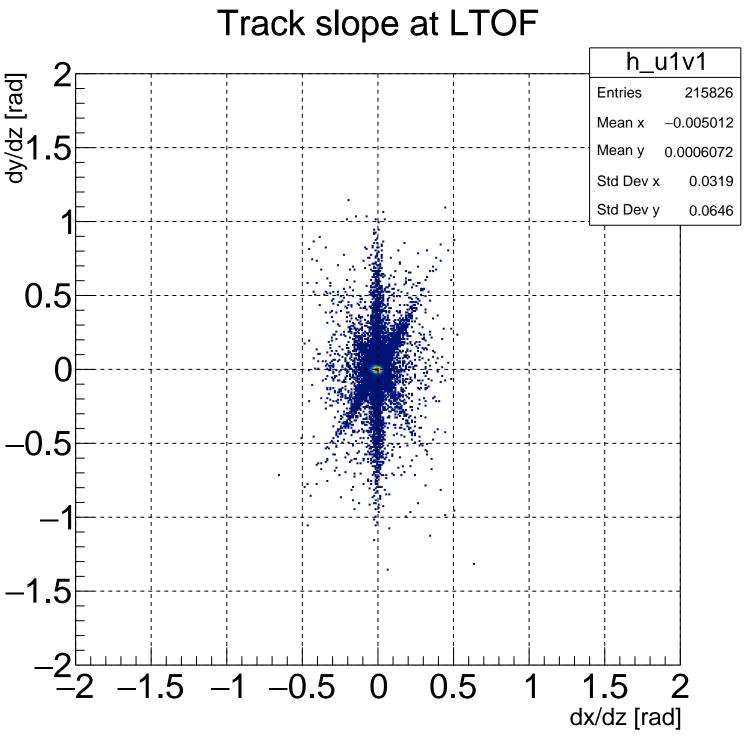
Track slope at UTOF (cluster size=3) h_u0v0_csize3 dy/dz [rad] **Entries** 16970 -0.004359Mean x Mean y 0.0004293 Std Dev x 0.05759 Std Dev y 0.1181 0.5 0.5 1.5 dx/dz [rad]

Track position at UTOF (cluster size>3) h_x0y0_csize4ormore 200 150 **Entries** Mean x 0 Mean y 0 Std Dev x 0 Std Dev y 0 100 50 50 -150 100 150 200 50 x [mm]

Track slope at UTOF (cluster size>3) h_u0v0_csize4ormore dy/dz [rad] **Entries** Mean x 0 Mean y 0 Std Dev x 0 Std Dev y 0 0.5 1.5 dx/dz [rad]

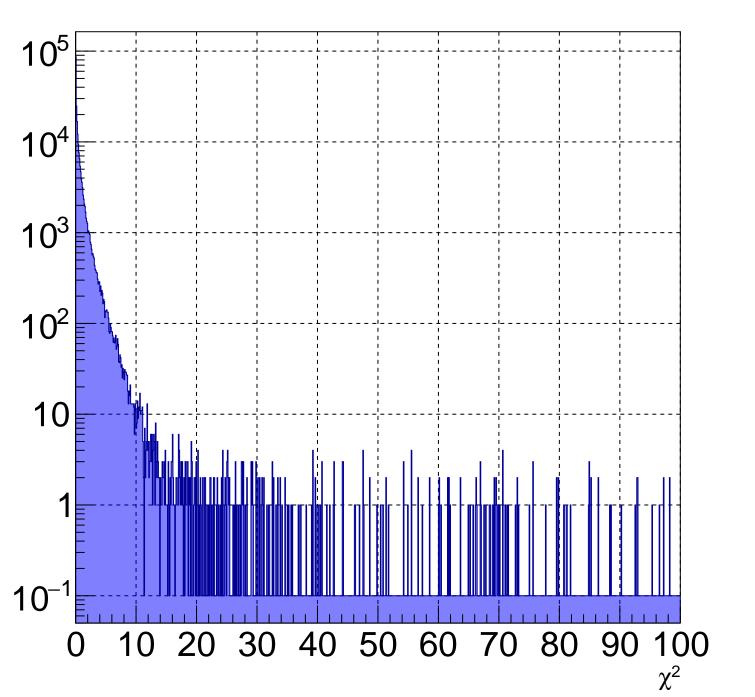
Track position at LTOF



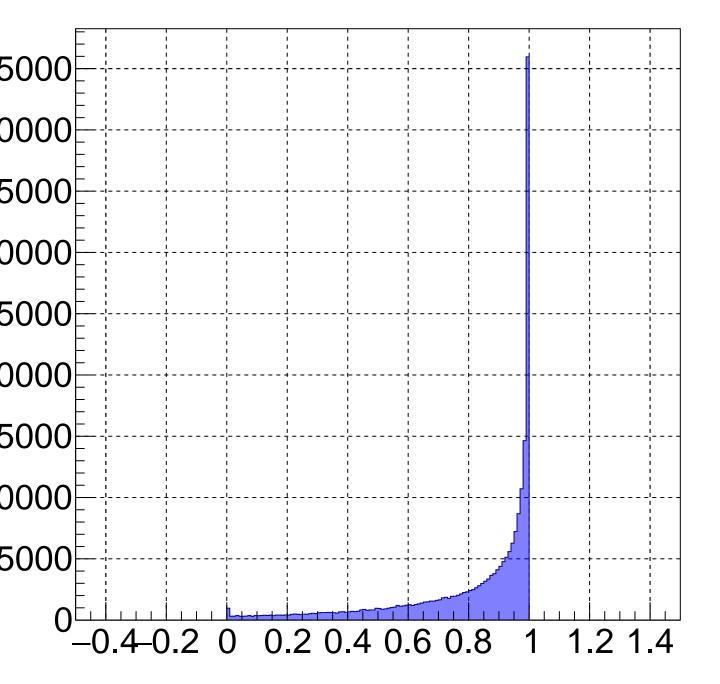


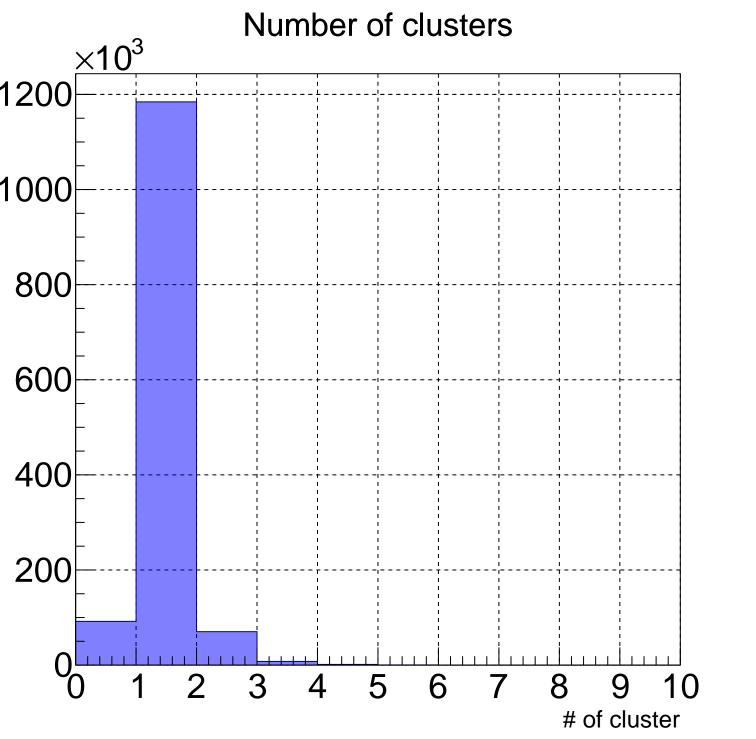
chi square of all tracks

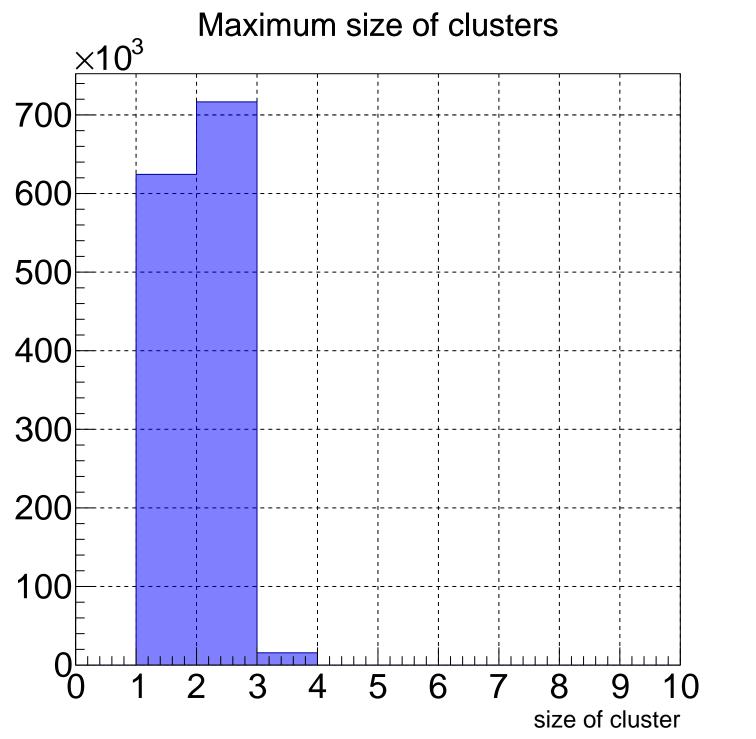
chi square of all tracks (log scale)

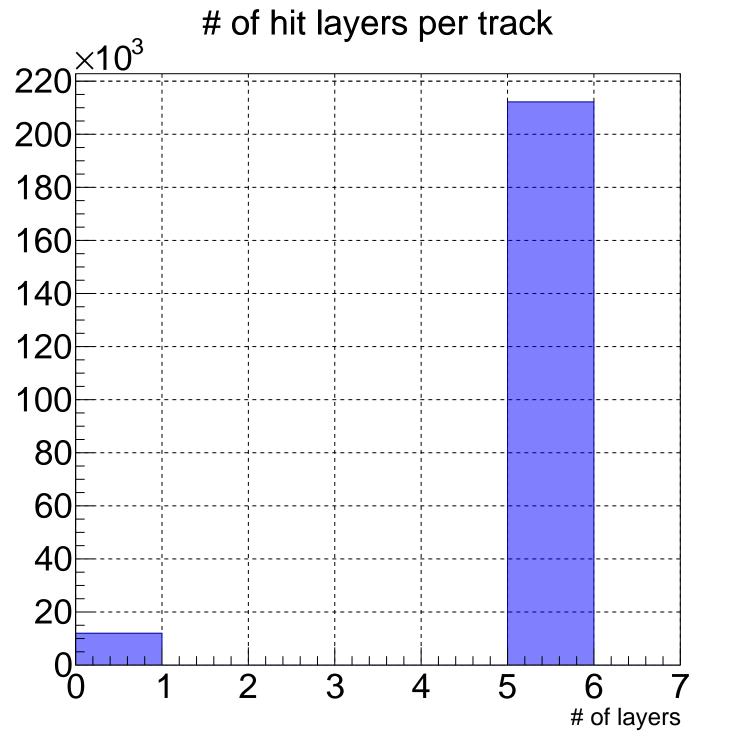


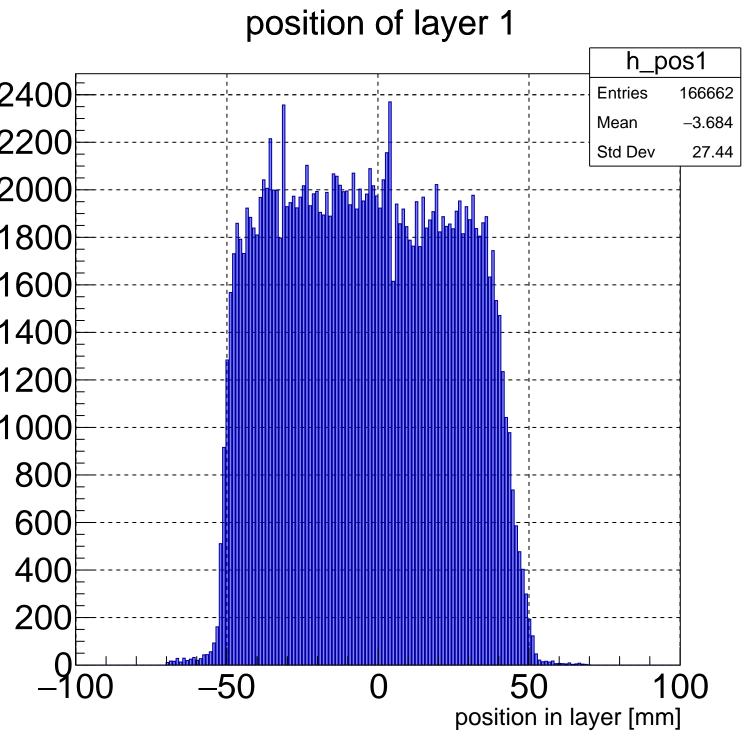
chi square after Prob

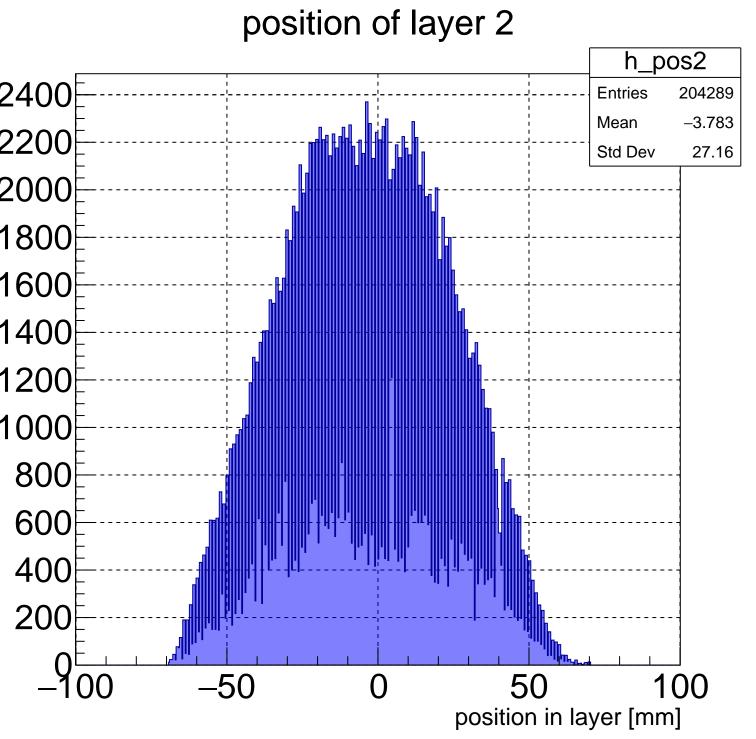


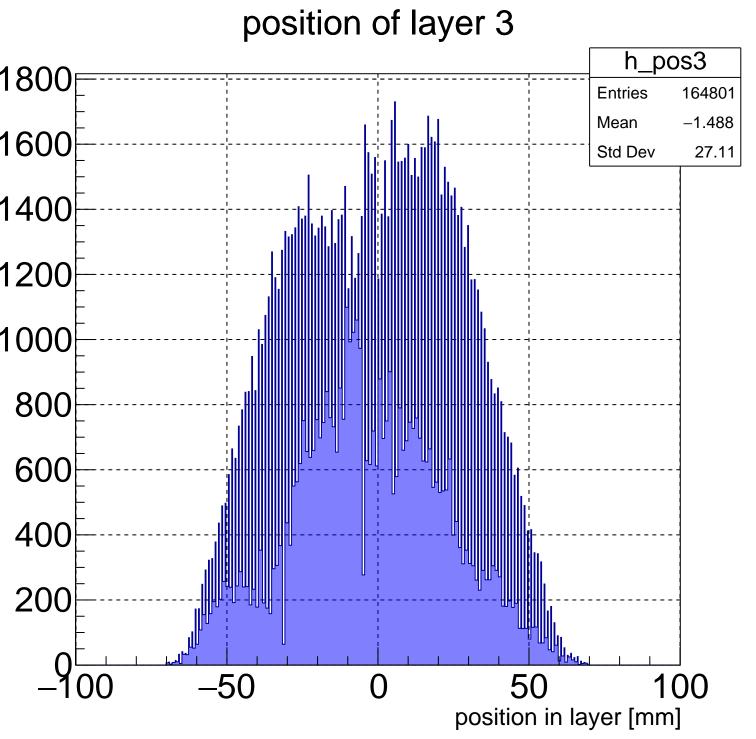


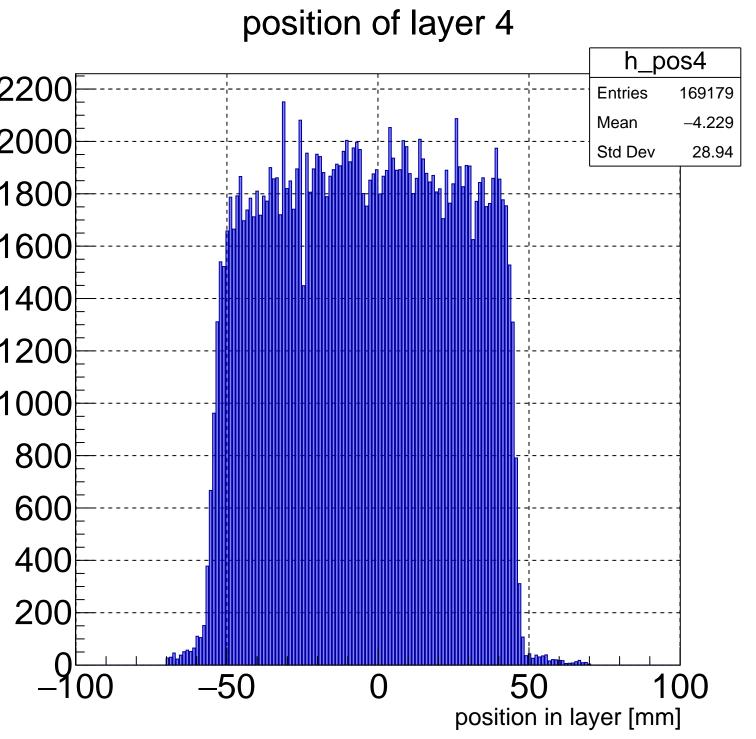


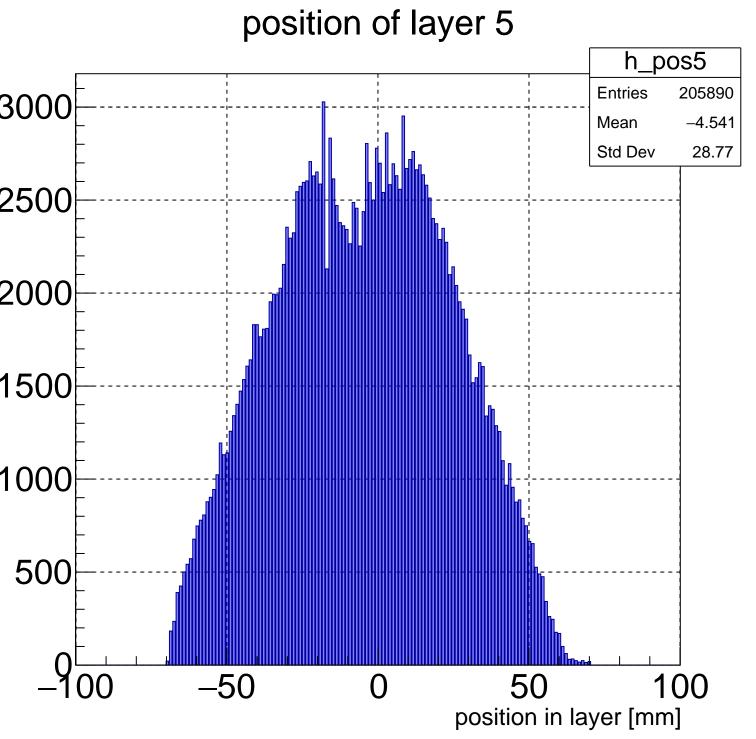


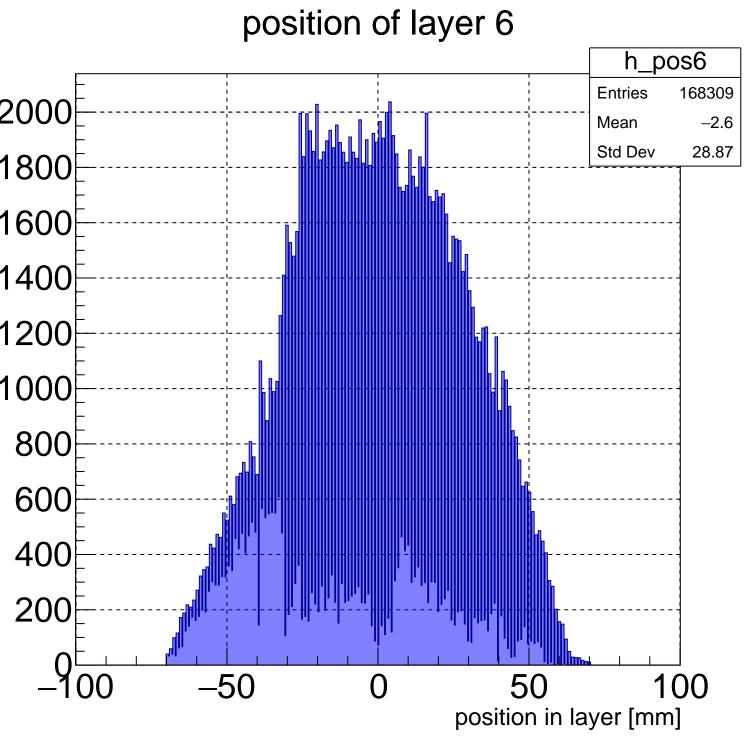


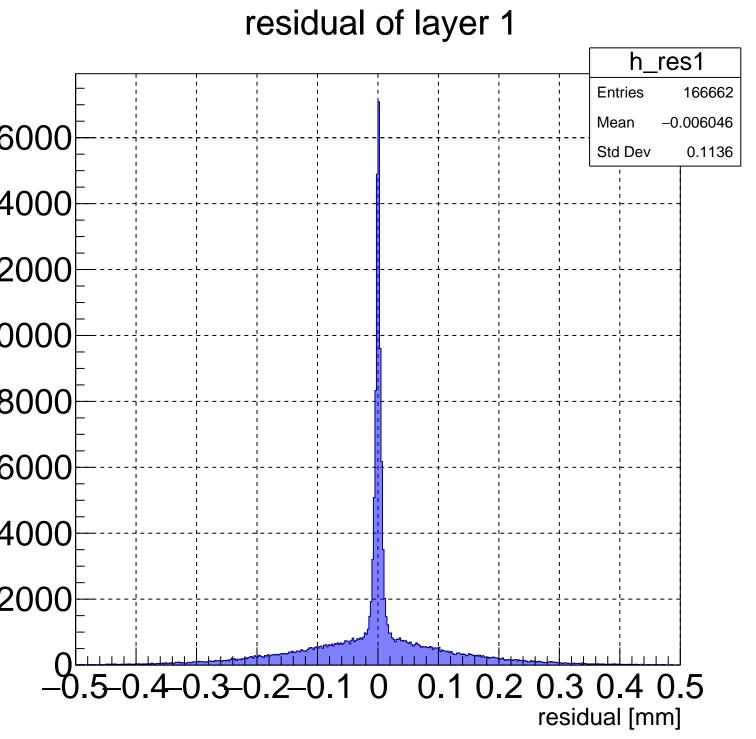




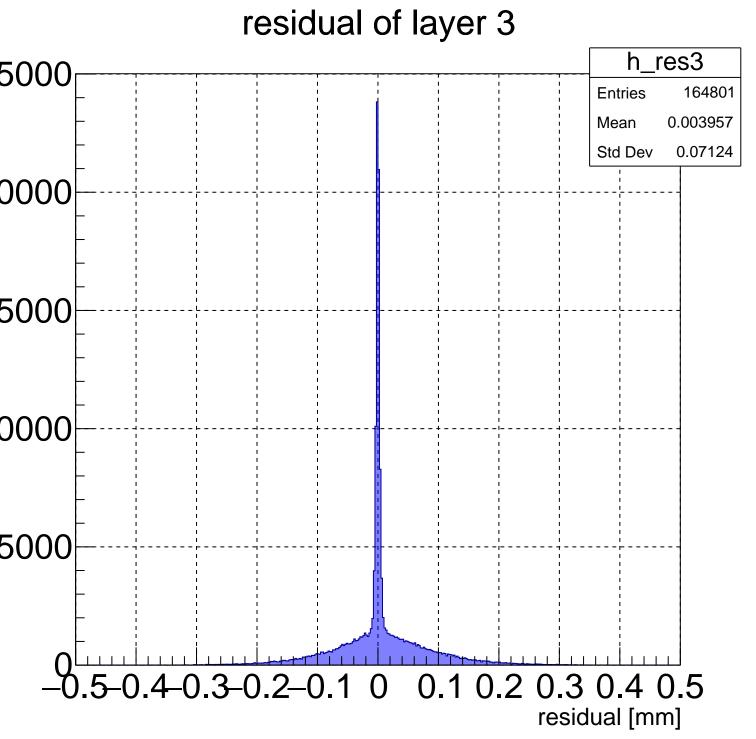


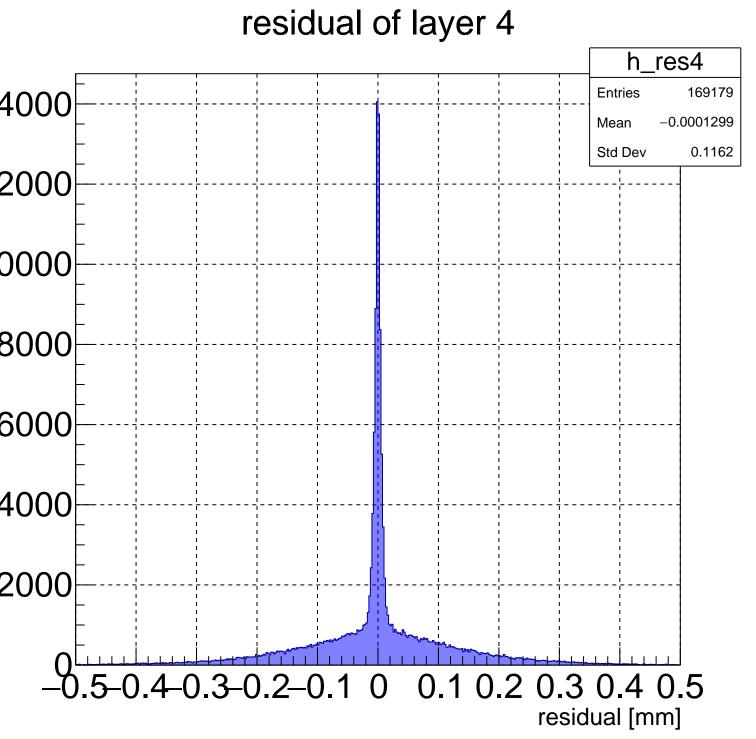






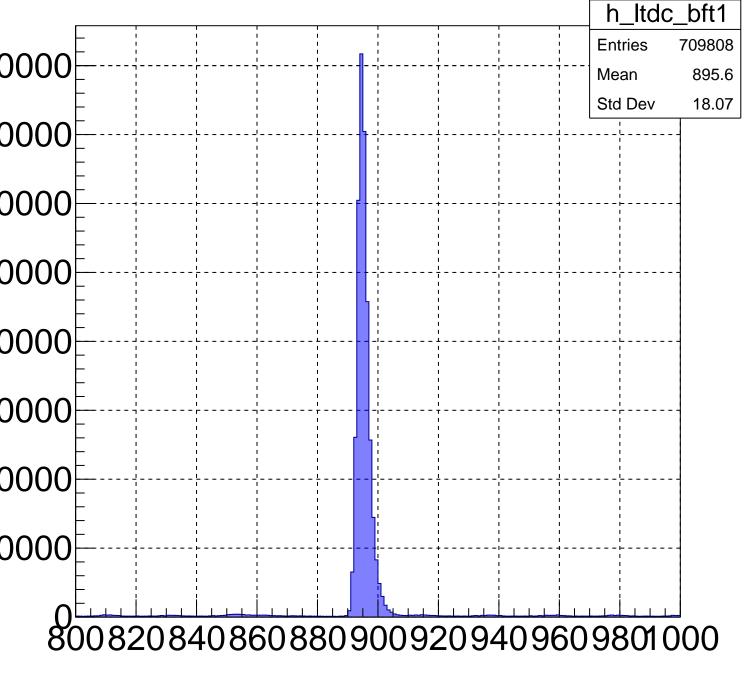
residual of layer 2 h_res2 **Entries** 204289 0.003118 Mean Std Dev 0.06278 0.1 0.2 0.3 0.4 0.5 residual [mm]

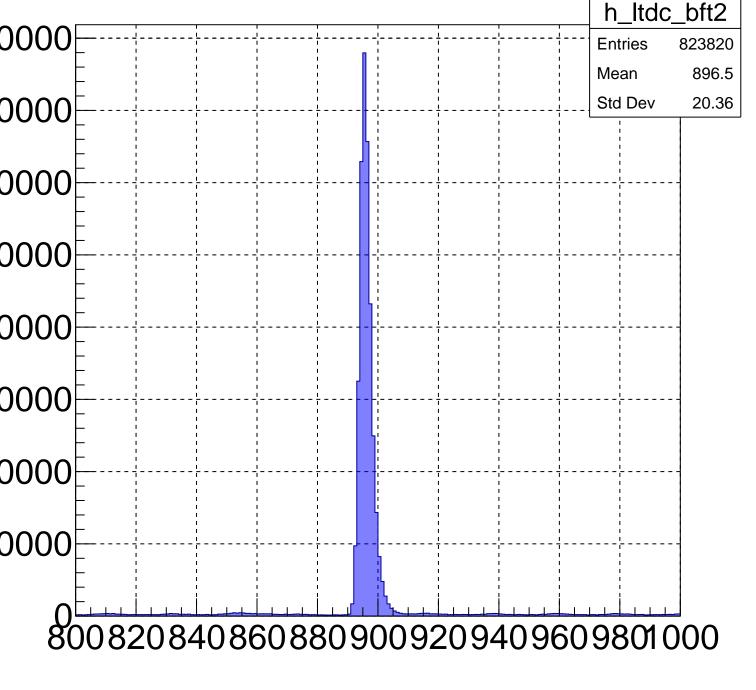


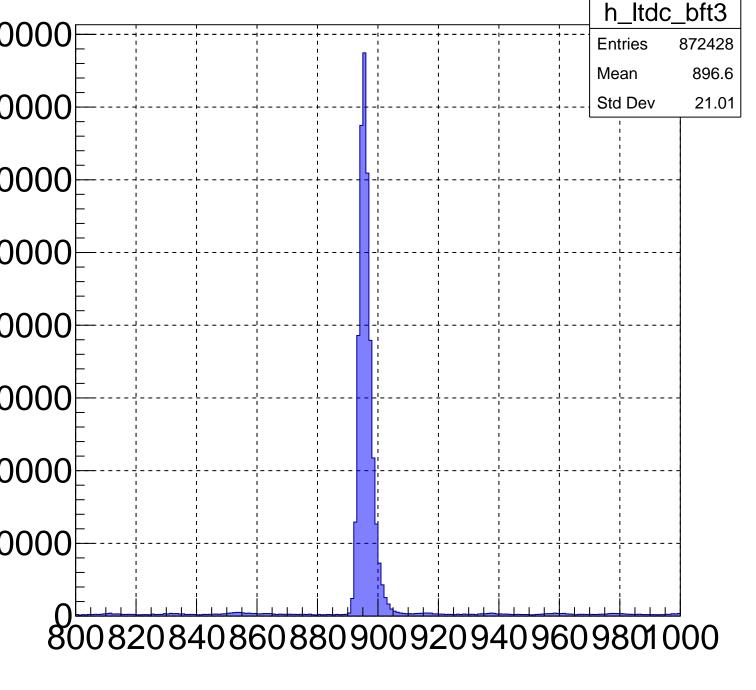


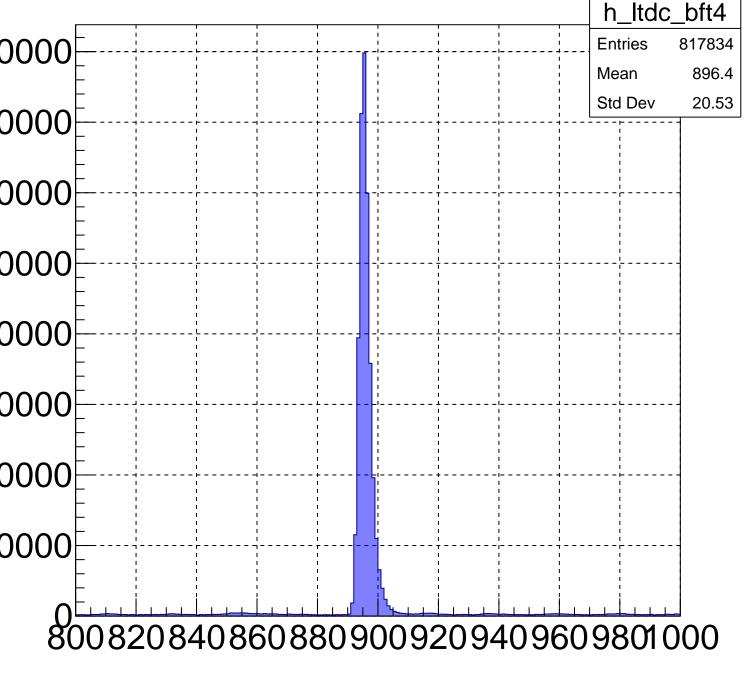
residual of layer 5 h_res5 5000 205890 **Entries** 0.0002723 Mean Std Dev 0.06284 5000 00005000 5000 00005000 0.1 0.2 0.3 0.4 0.5 residual [mm]

residual of layer 6 h_res6 **Entries** 168309 0.0002504 Mean 0000 Std Dev 0.06817 8000 6000 4000 2000 0000 8000 6000 4000 2000 0.1 0.2 0.3 0.4 residual [mm]

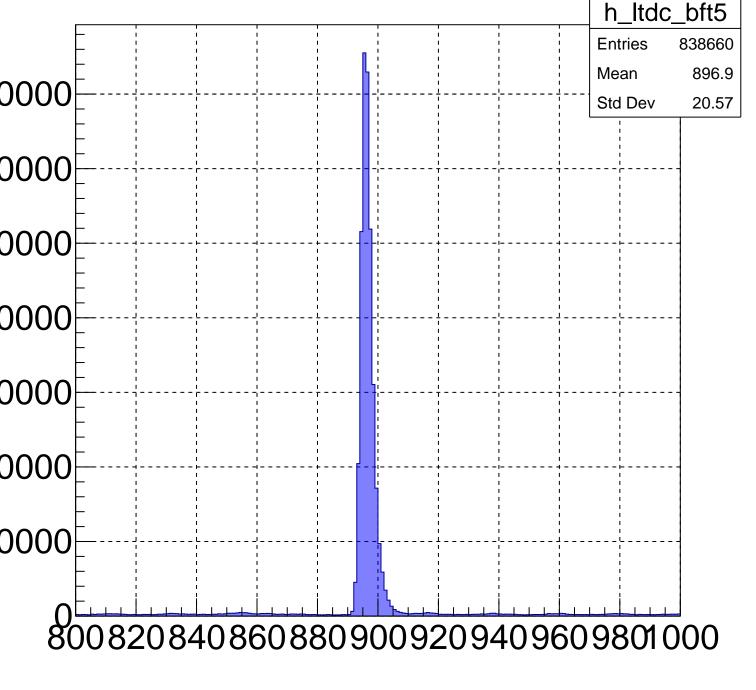




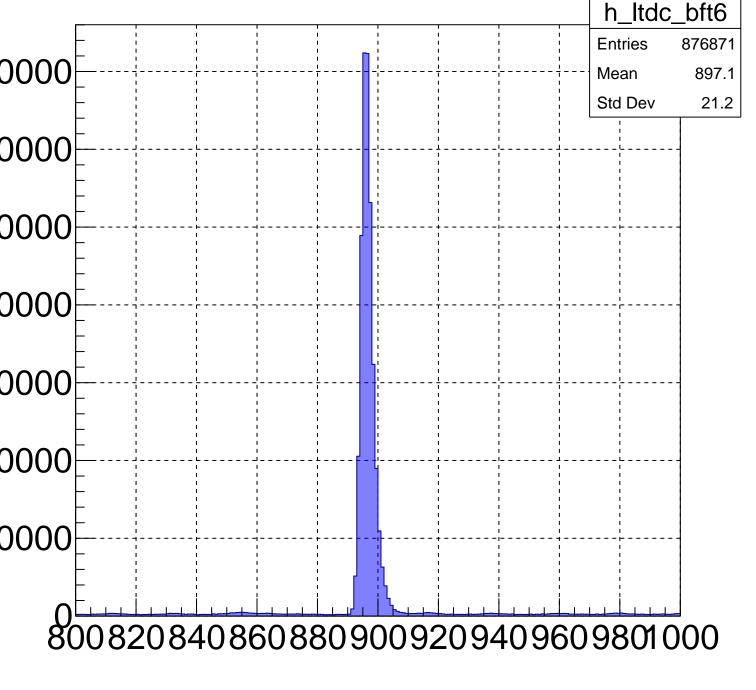




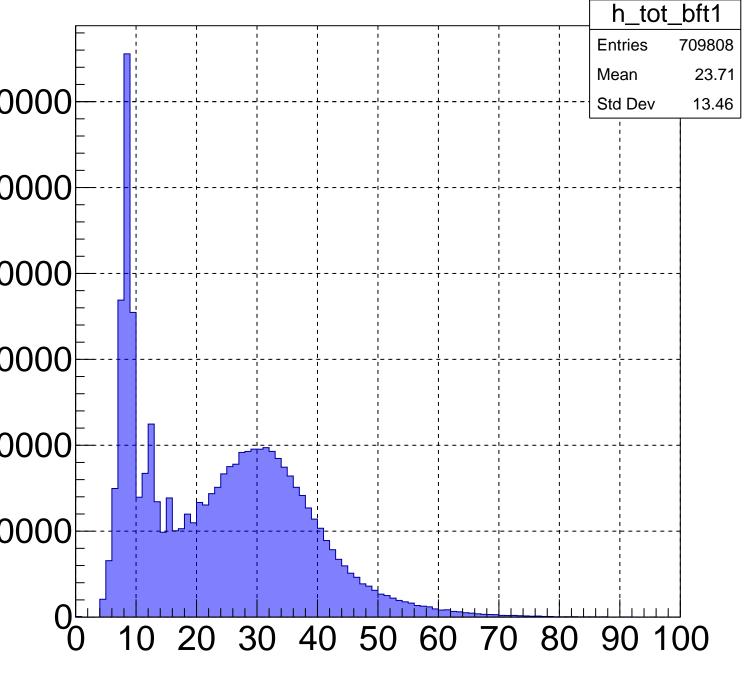
Leading TDC value of layer 5



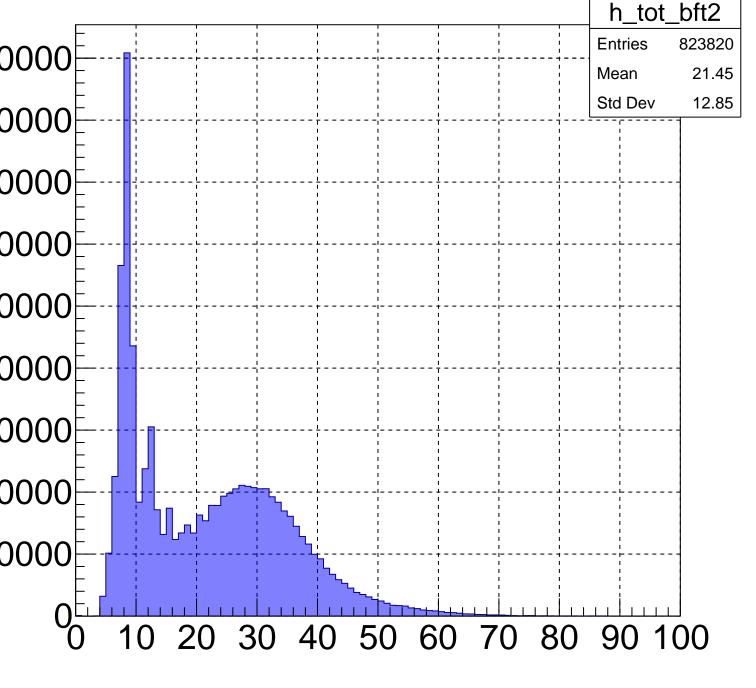
Leading TDC value of layer 6



Time over threshold of layer 1



Time over threshold of layer 2



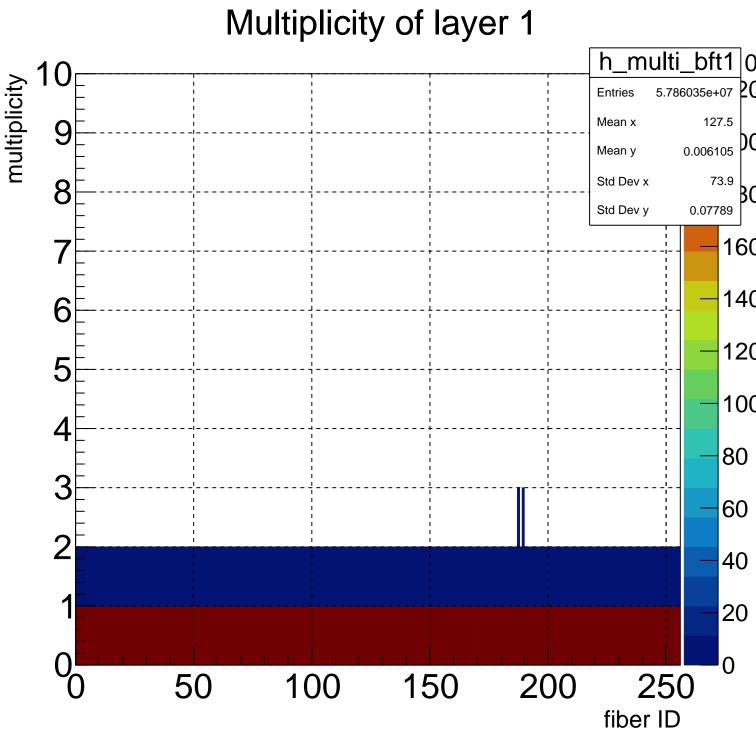
Time over threshold of layer 3 ×10³ h_tot_bft3 **Entries** 872428 100 Mean 21.06 Std Dev 13.22 80 60 40 20 40 50 60 70 80 90 100

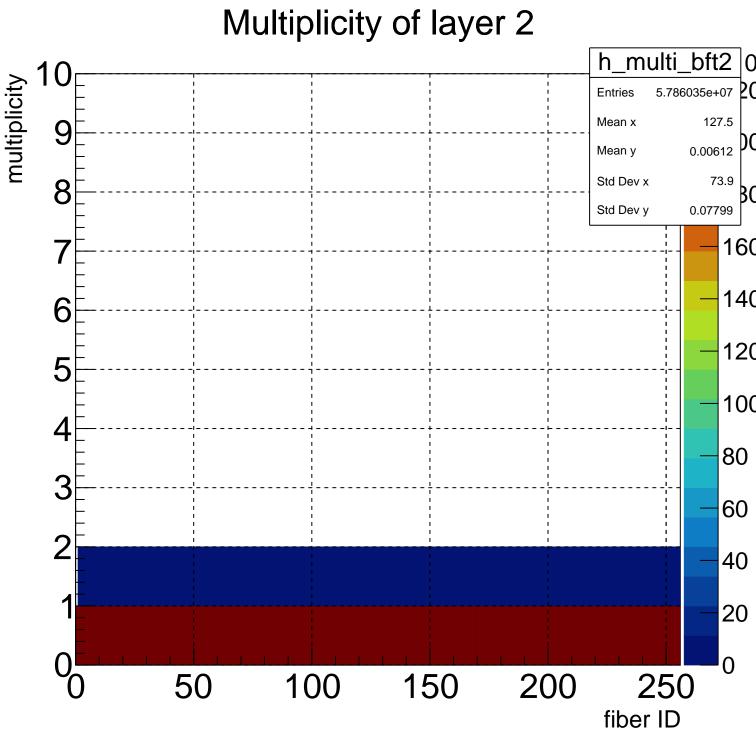
20 30

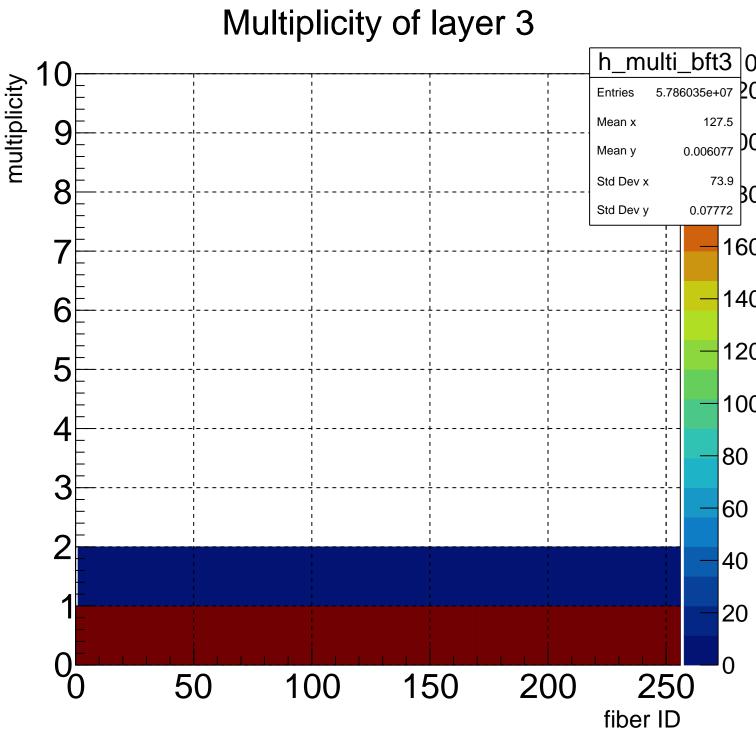
Time over threshold of layer 4 ×10³ h_tot_bft4 **Entries** 817834 100 Mean 21.37 Std Dev 13.4 80 60 40 20 40 50 60 70 80 90 100 20 30

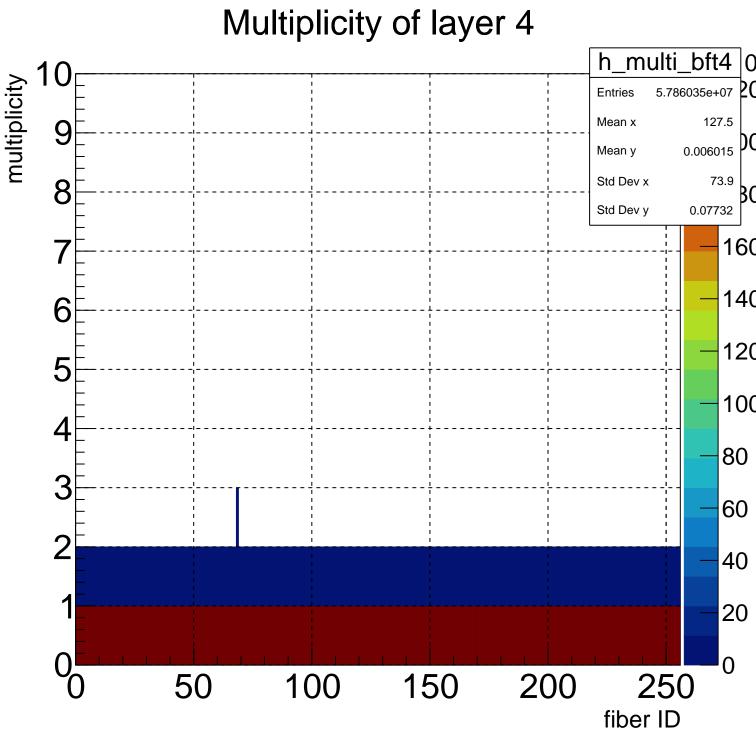
Time over threshold of layer 5 ×10³ h_tot_ bft5 100 **Entries** 838660 Mean 21.52 Std Dev 13.35 80 60 40 20 40 50 60 70 80 90 100 20 30

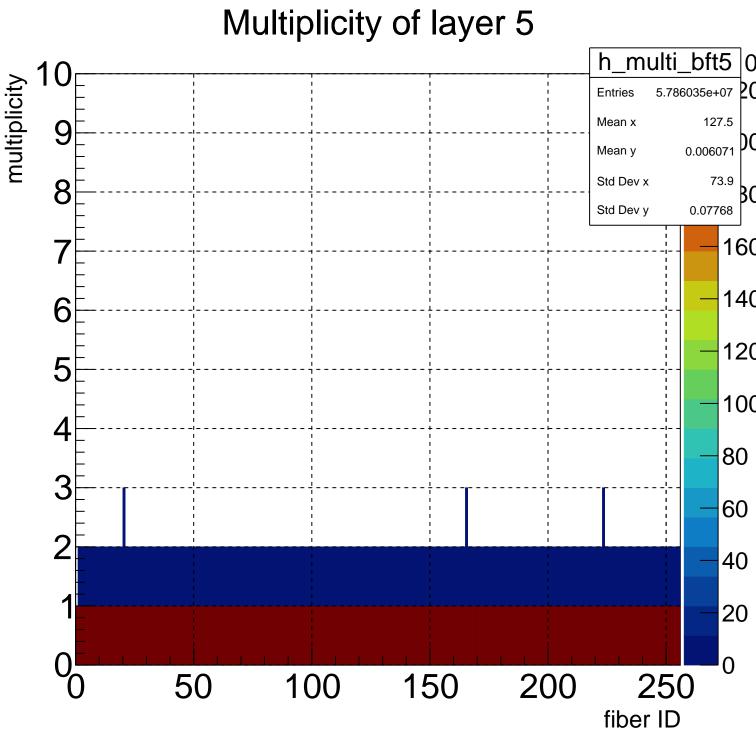
Time over threshold of layer 6 ×10³ h_tot_ _bft6 **Entries** 876871 Mean 20.42 100 Std Dev 12.77 80 60 40 20 40 50 60 70 80 90 100 20 30

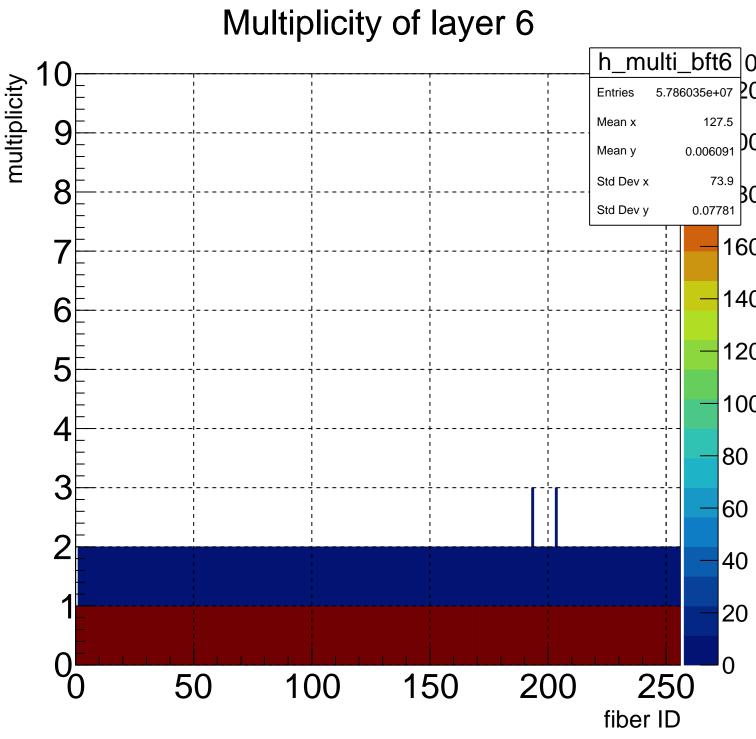












Track position at UTOF (with x0y0 cut) h_x0y0_xy_cut <u>2</u>00 ₹150 **Entries** 1143444 -1.235Mean x Mean y -1.287 **5(** Std Dev x 28.15 Std Dev y 28.32 100 200 50 150 50 100 100 50 -150 100 150 200 50 x [mm]

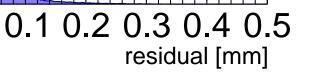
Track slope at UTOF (with x0y0 cut) h_u0v0_xy_cut dy/dz [rad] **Entries** 1143444 Mean x -0.00325Mean y 0.001082 0.02304 Std Dev x Std Dev y 0.0297 400 0.5 300 200 100 0.5 1.5 dx/dz [rad]

Track position at UTOF (with u0v0 cut) h_x0y0_uv_cut 200 150 **Entries** 1214850 Mean x -4.683Mean y -1.972Std Dev x 30.46 Std Dev y 29.1 100 200 50 150 50 100 100 50 150 x [mm]

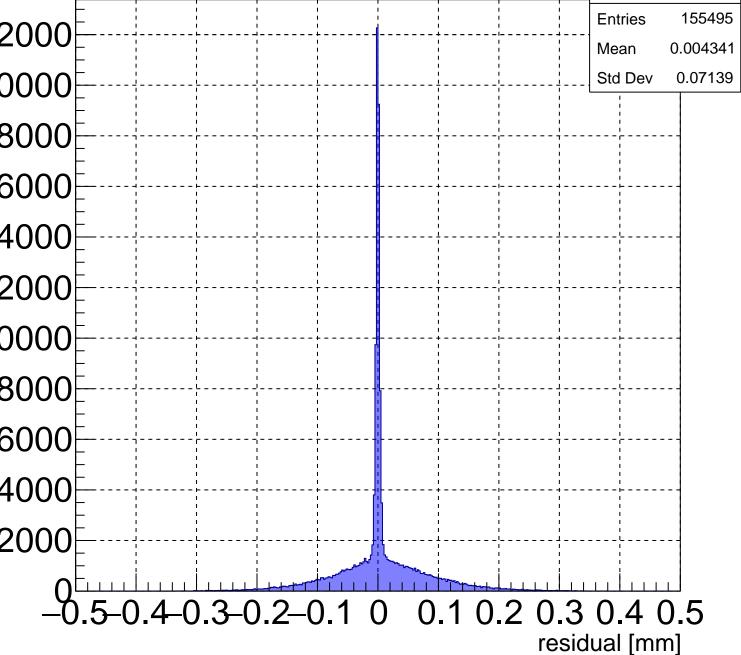
Track slope at UTOF (with u0v0 cut) h u0v0 uv cut 0.1 0.08 0.06 0.06 **Entries** 1214850 **)(** -0.004685Mean x Mean y 0.0005521 Std Dev x 0.02021 0.01639 Std Dev y 0.04 0.02 300 -0.02200 -0.04-0.06100 -0.08 .080.060.040.02 0 0.020.040.060.0 dx/dz [rad]

residual of layer 1 (with u0v0 cut) h_res_uv_cut1 6000 **Entries** 156425 Mean -0.0066564000 Std Dev 0.115 2000 00008000 6000 4000 2000 0.1 0.2 0.3 0.4 0.5 residual [mm]

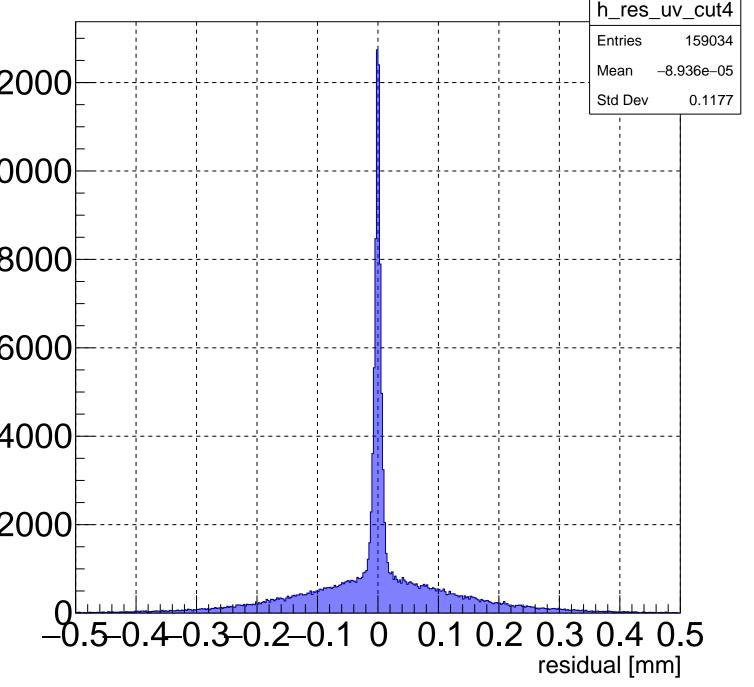
residual of layer 2 (with u0v0 cut) h_res_uv_cut2 0000 193903 **Entries** 0.003412 Mean Std Dev 0.06269



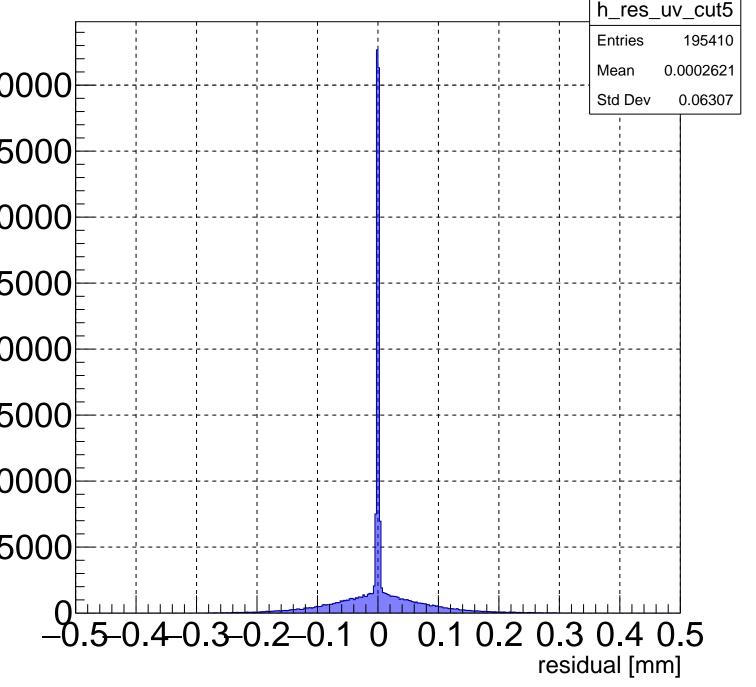
residual of layer 3 (with u0v0 cut) h_res_uv_cut3



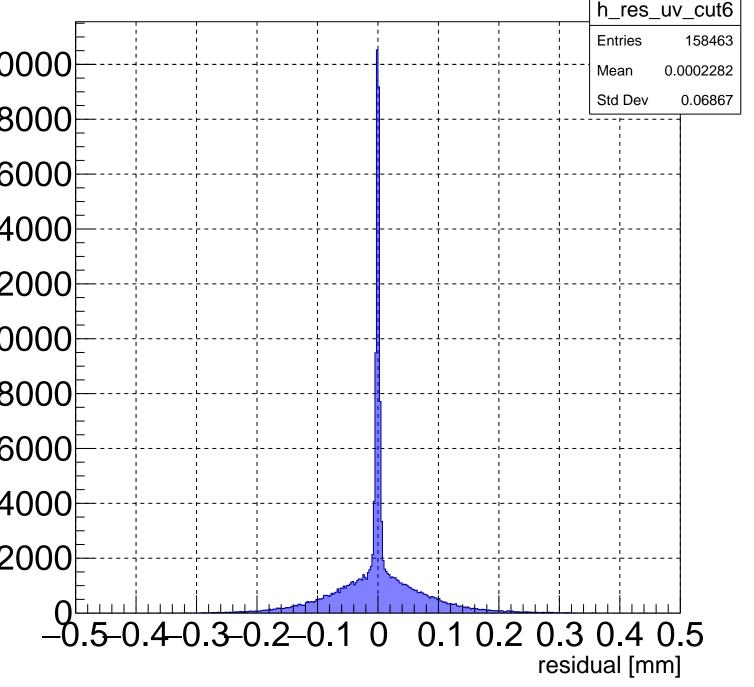
residual of layer 4 (with u0v0 cut)



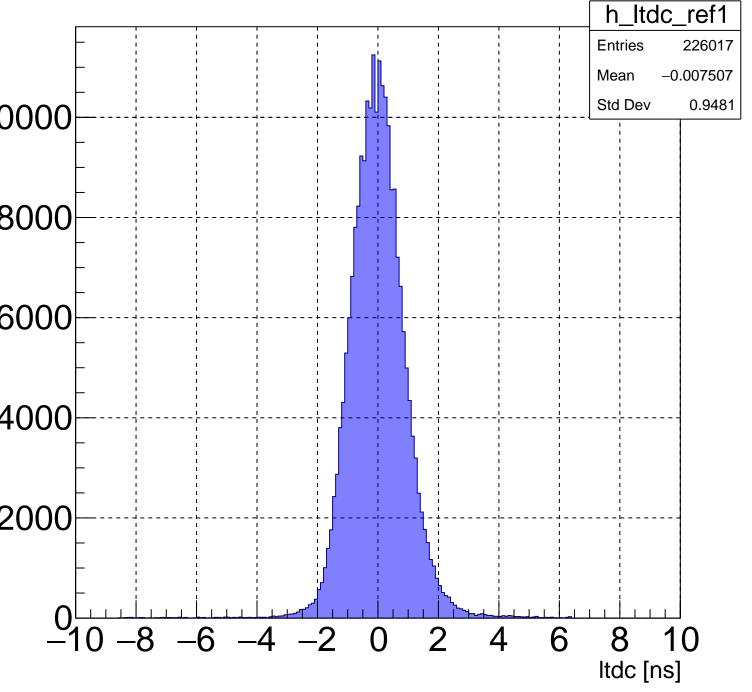
residual of layer 5 (with u0v0 cut)



residual of layer 6 (with u0v0 cut)



Leading TDC value of bref 1



Leading TDC value of bref 2

