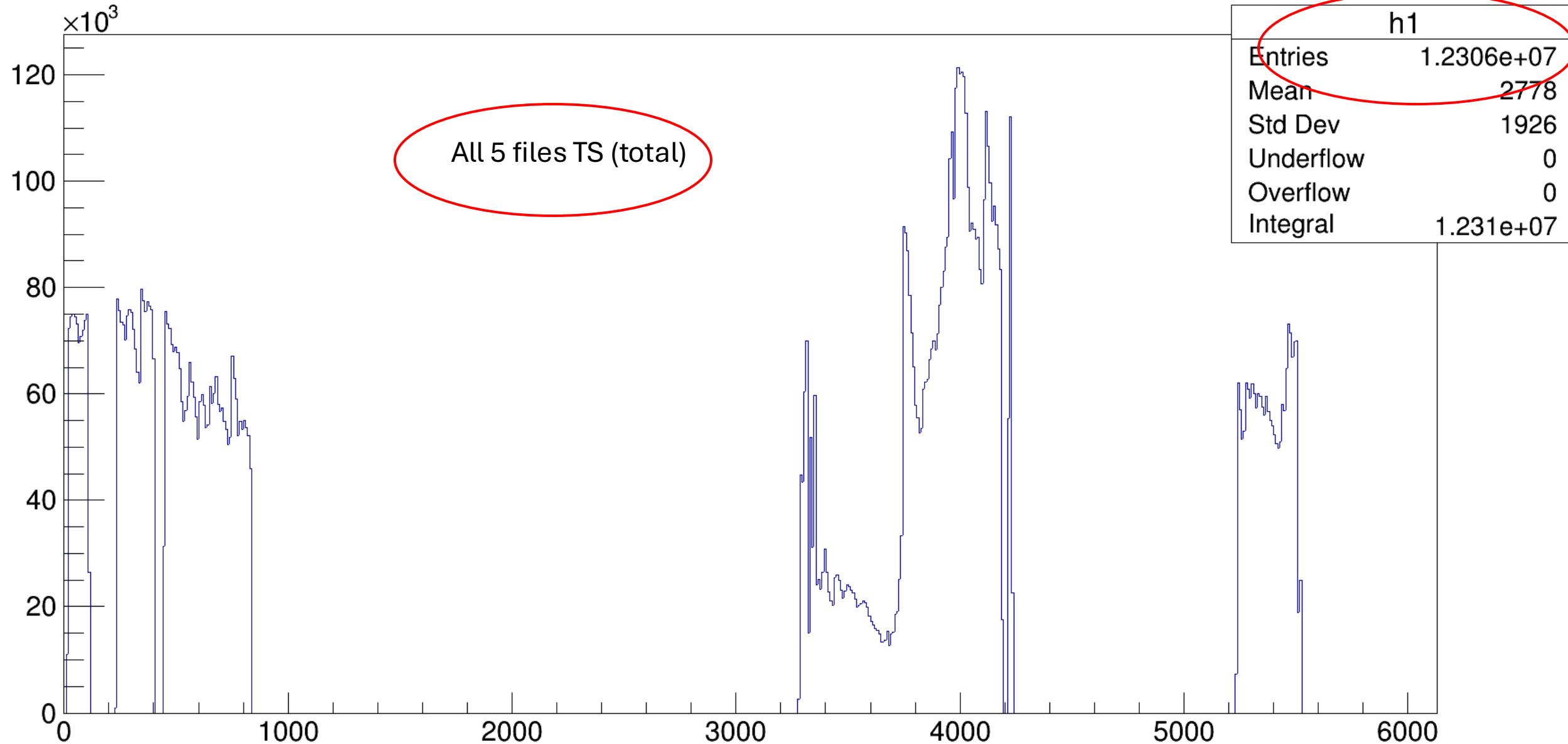
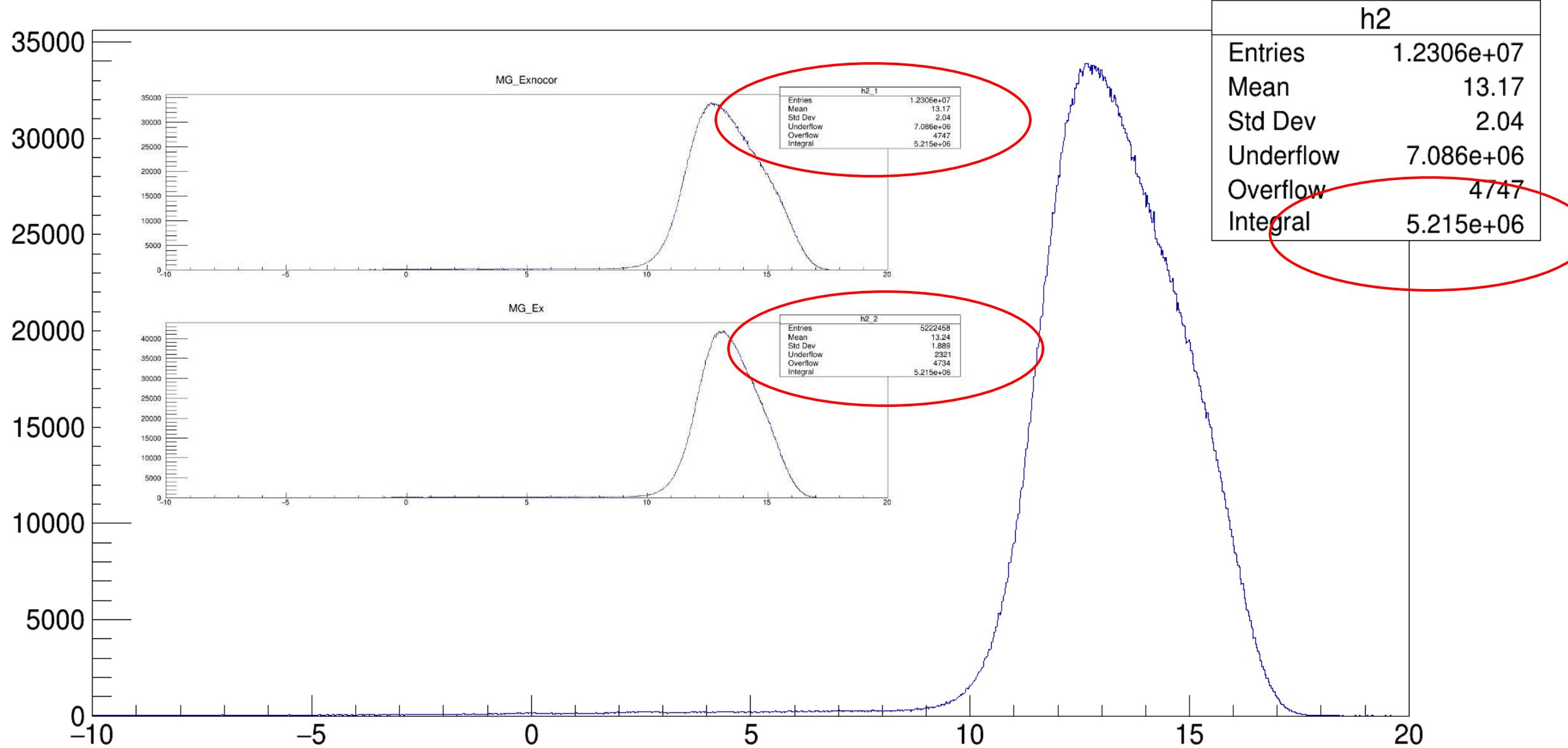


# GATCONFTS



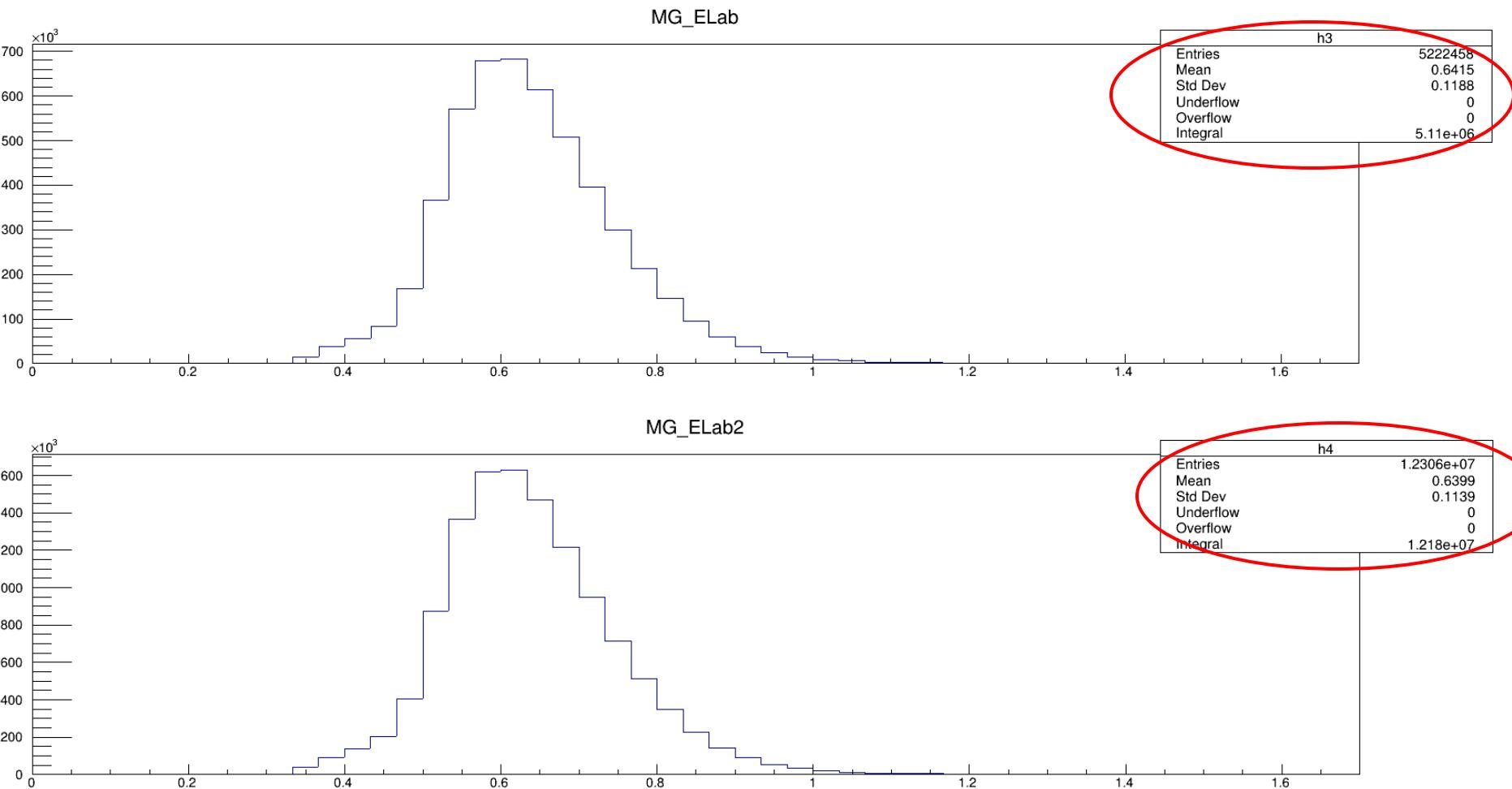
# MG\_Exnocor



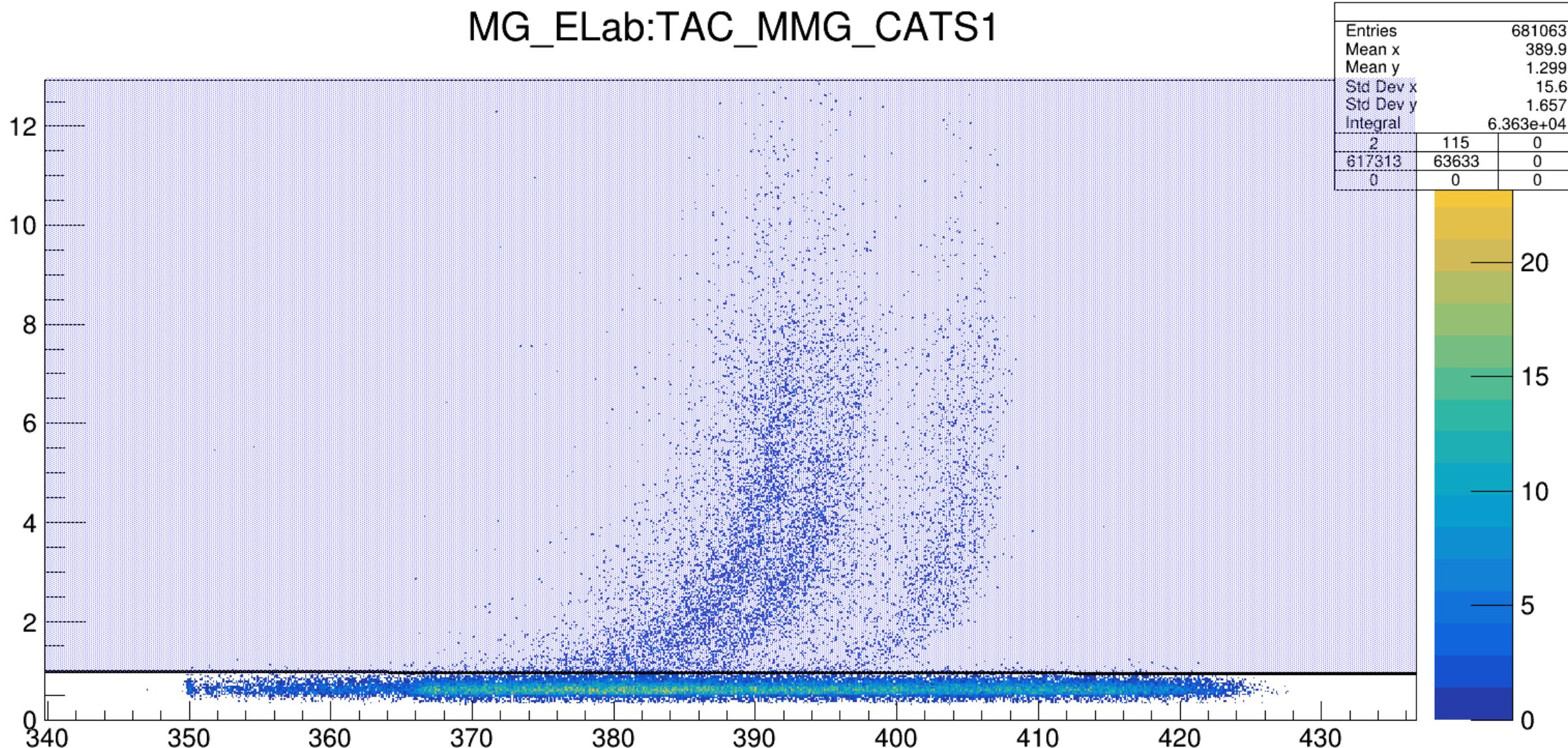
There are 2 branches MG\_ELab and MG\_ELab2.

In my version of the code they seem to be the same but maybe different in Ozge's version...

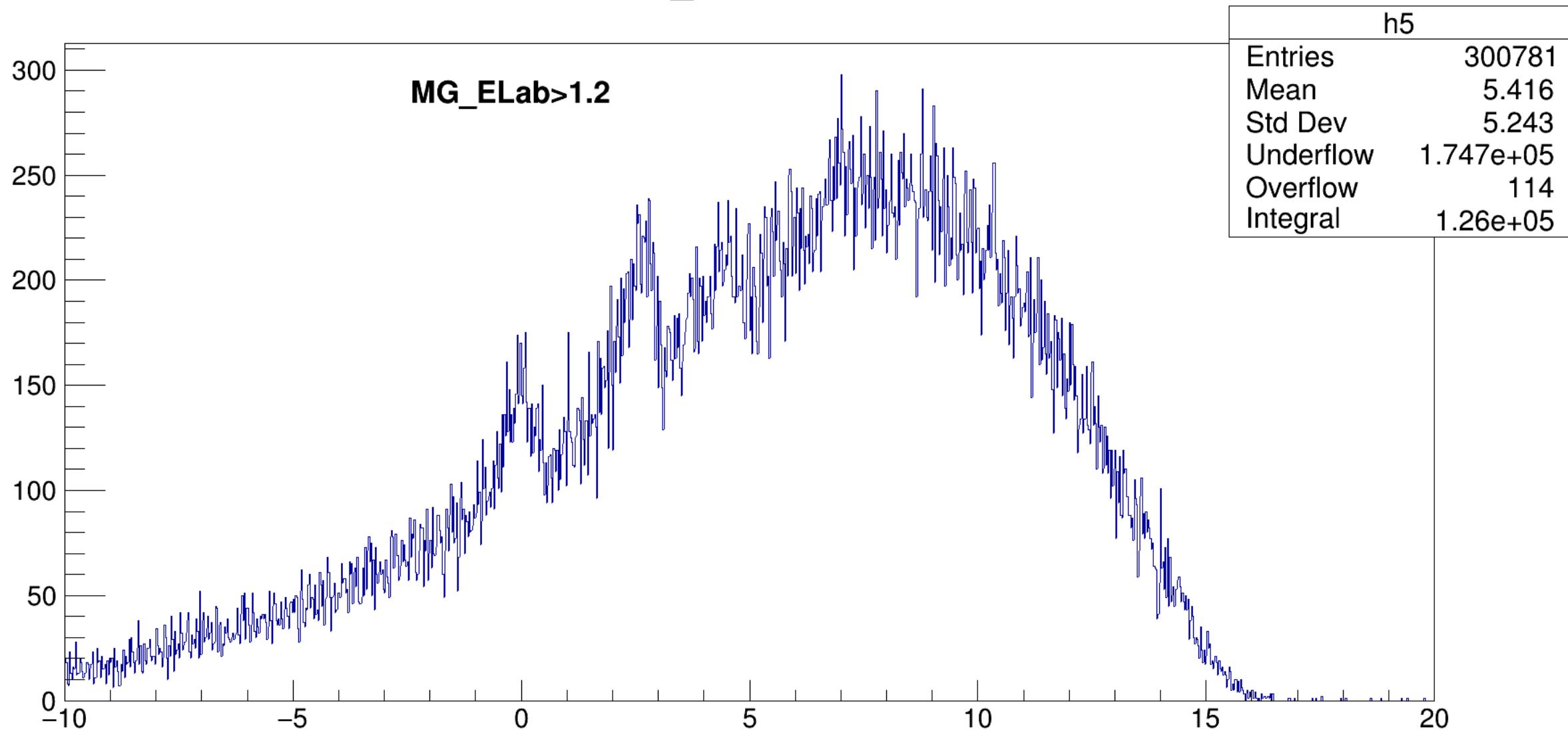
But for some reason MG\_ELab2 have the same #entries as E\* but not MG\_ELab

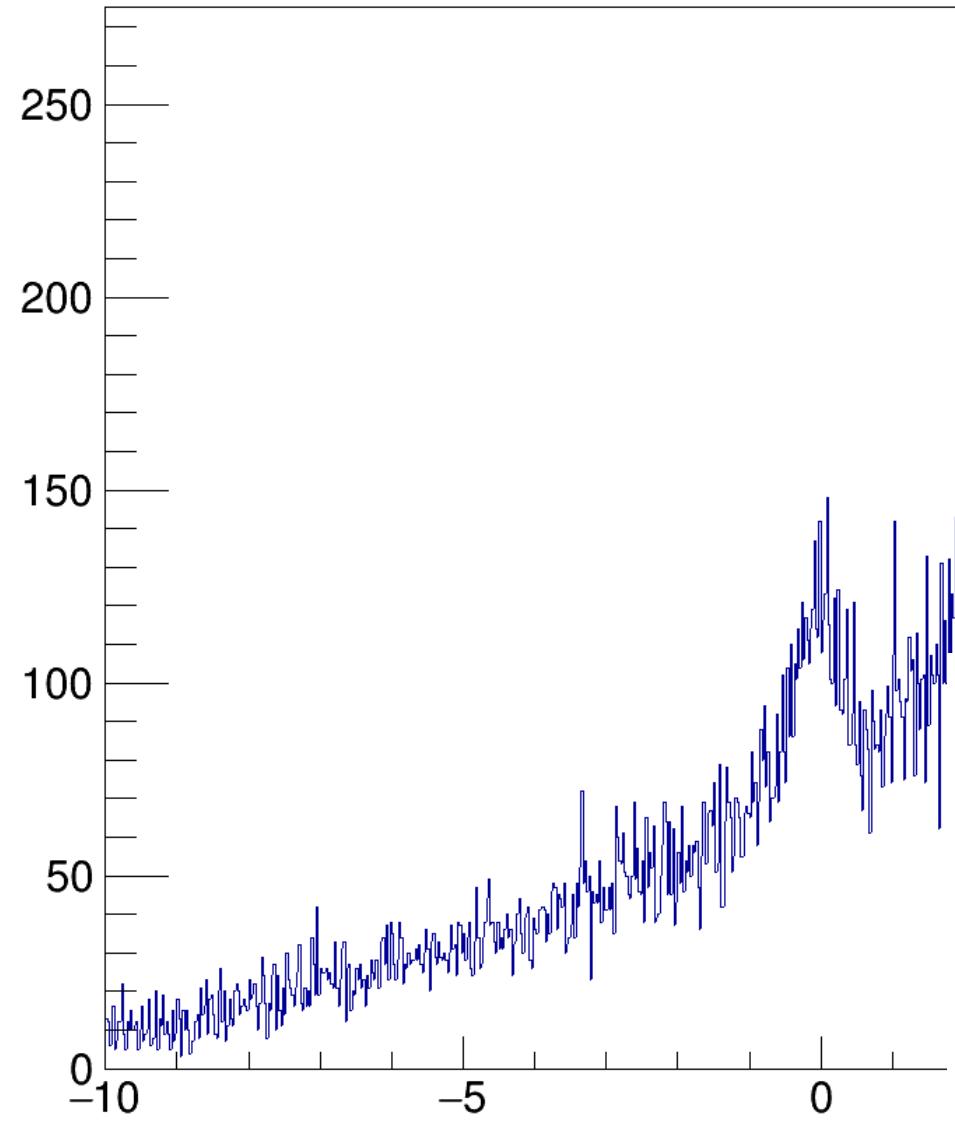


A way to see the cut on MG\_ELab value>1.0

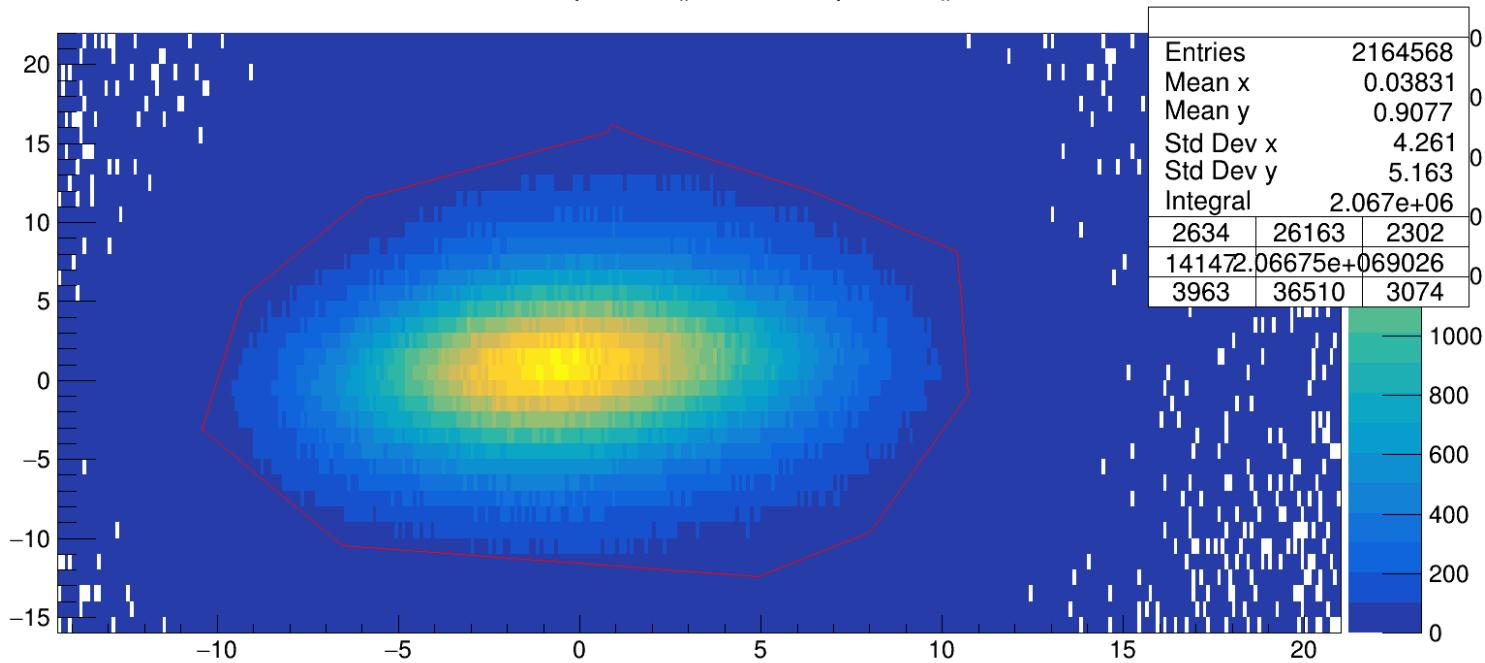


# MG\_conditioned





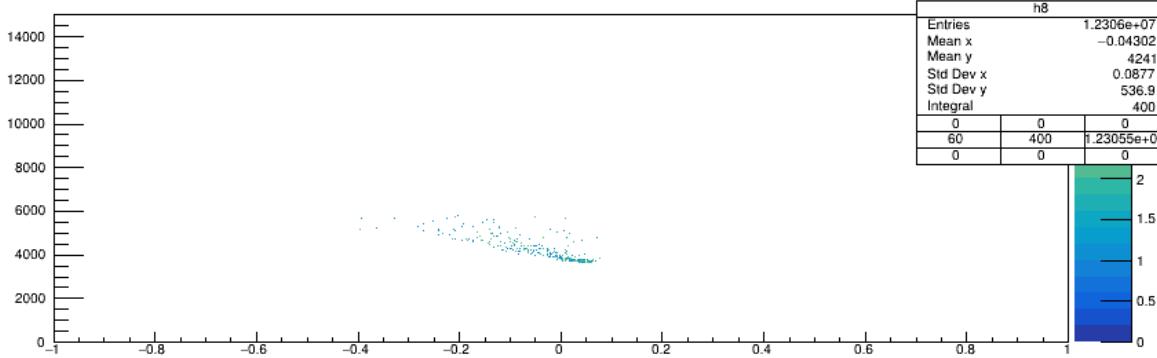
This CATS cut along with ELab>1.2



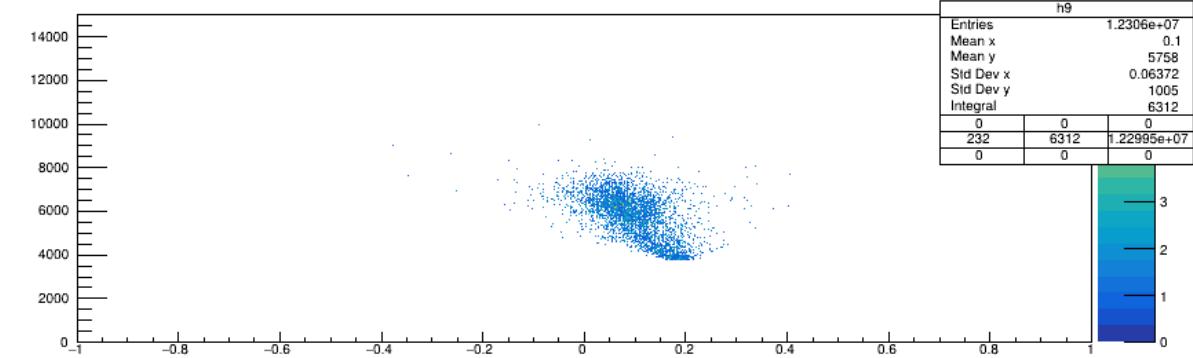
h5	
Entries	261433
Mean	5.708
Std Dev	5.179
Underflow	1.584e+05
Overflow	89
Integral	1.029e+05

BeamImpact.Y():BeamImpact.X()

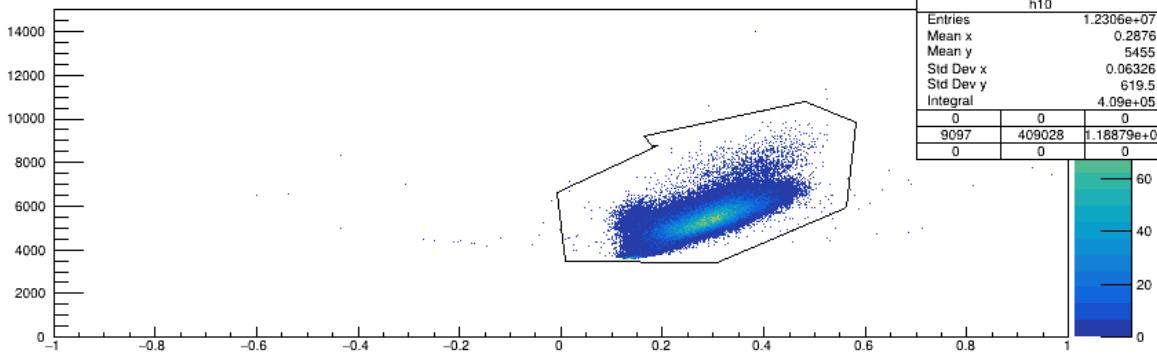
sqrt(PL\_E1\*PL\_E6) vs log(PL\_E1/PL\_E6)



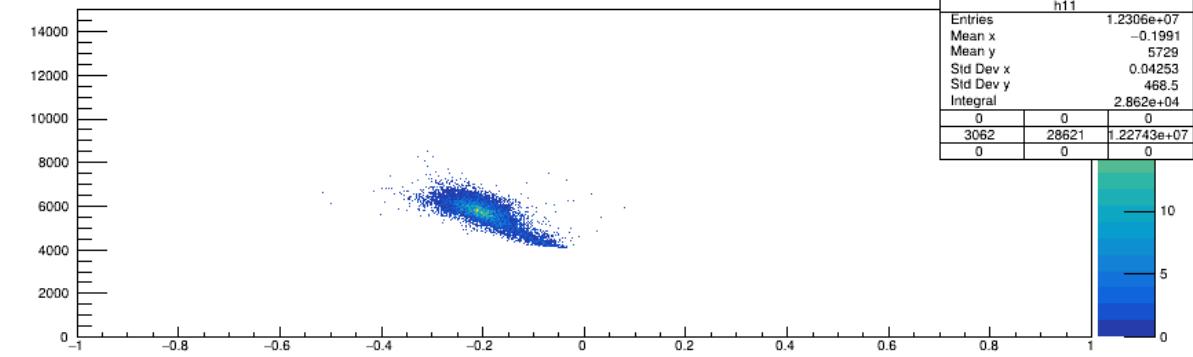
sqrt(PL\_E2\*PL\_E7) vs log(PL\_E2/PL\_E7)



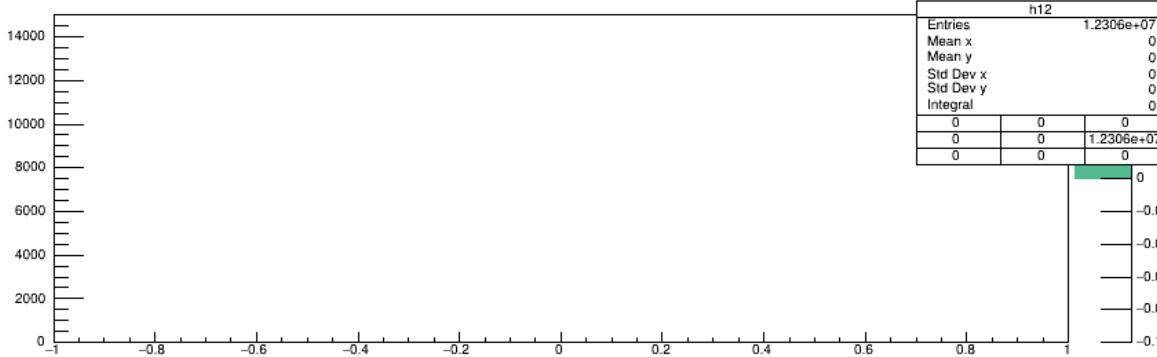
sqrt(PL\_E3\*PL\_E8) vs log(PL\_E3/PL\_E8)



sqrt(PL\_E4\*PL\_E9) vs log(PL\_E4/PL\_E9)

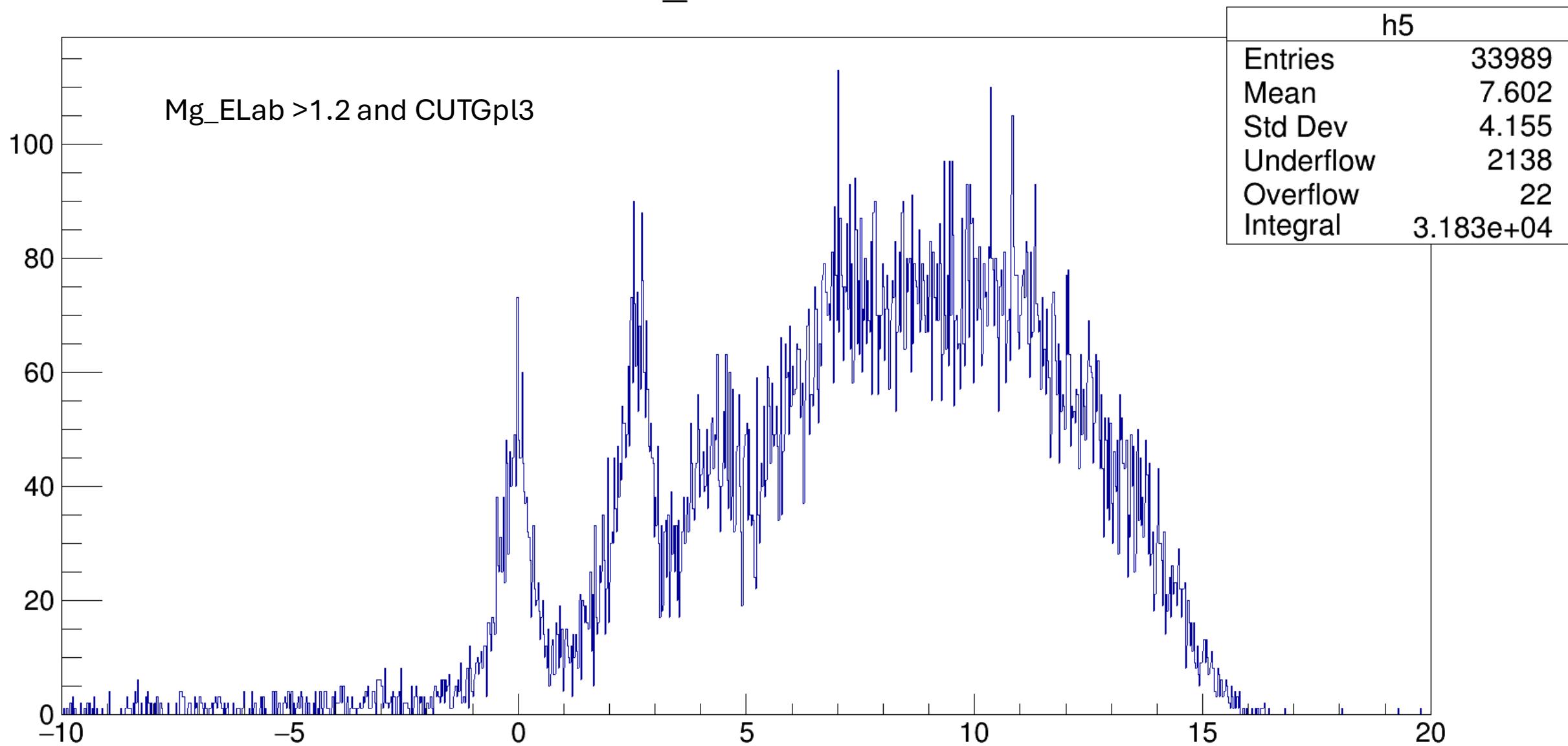


sqrt(PL\_E5\*PL\_E10) vs log(PL\_E5/PL\_E10)

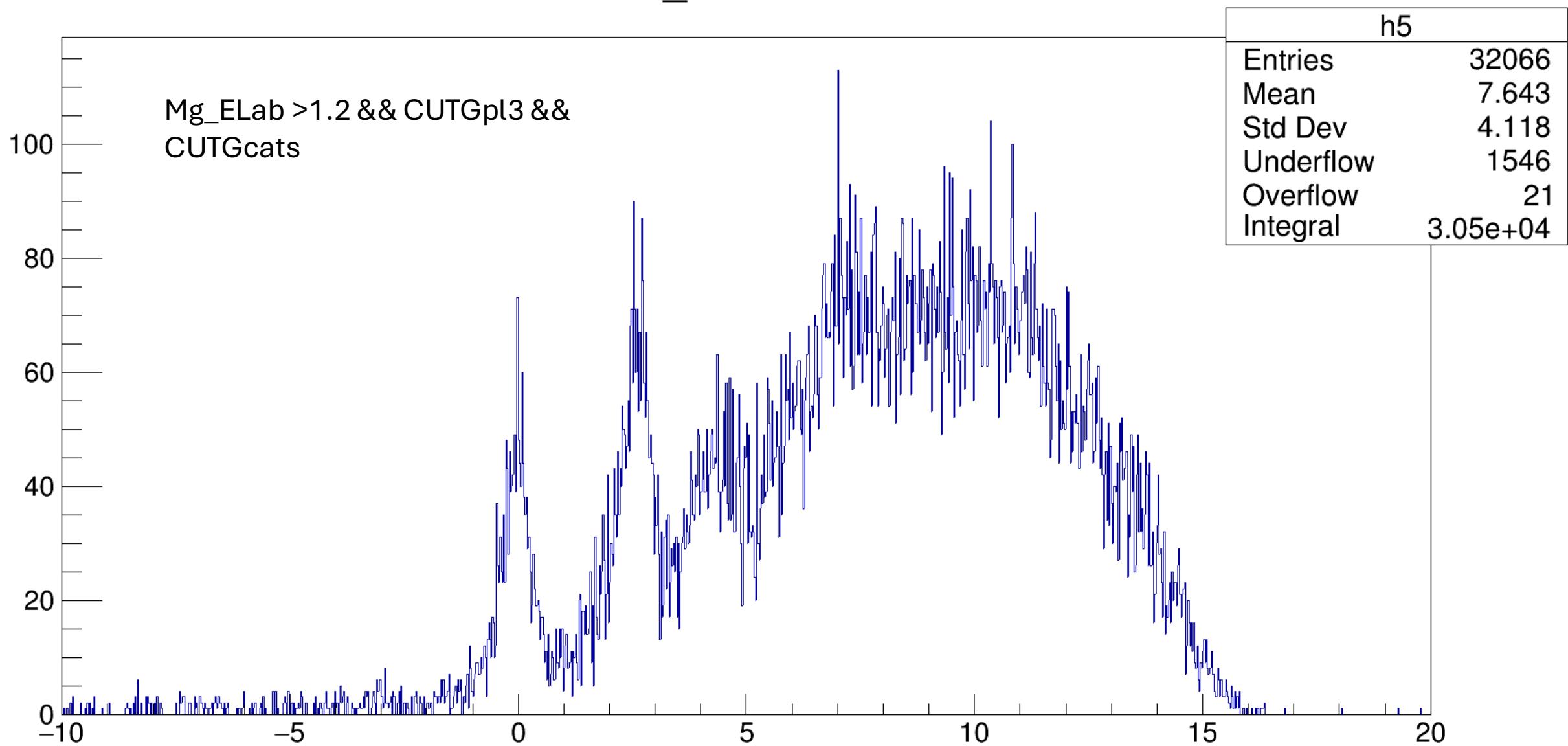


Drawing SQRT(E3\*E8) vs log (E3/E8)  
Gating on the same

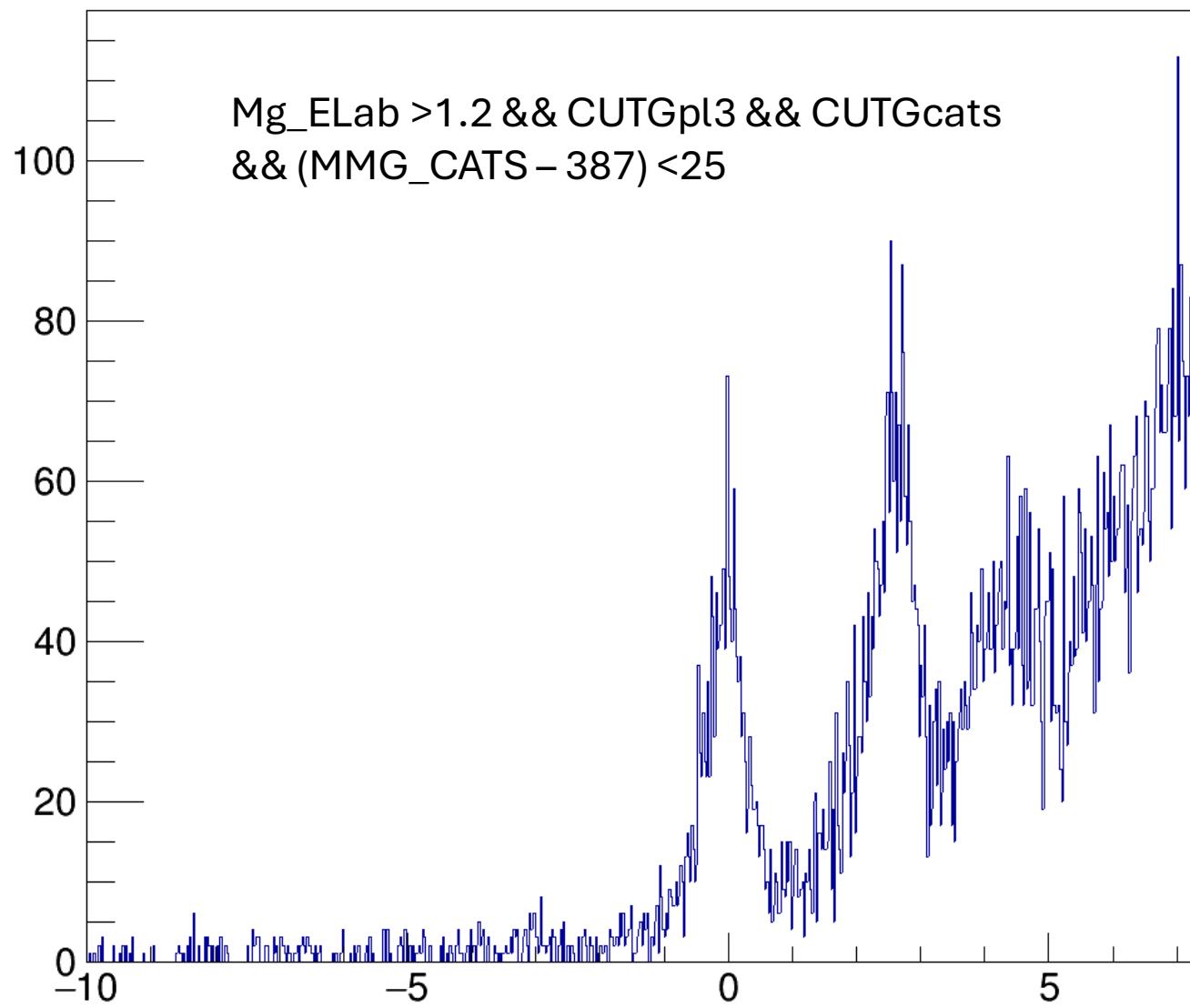
# MG\_conditioned



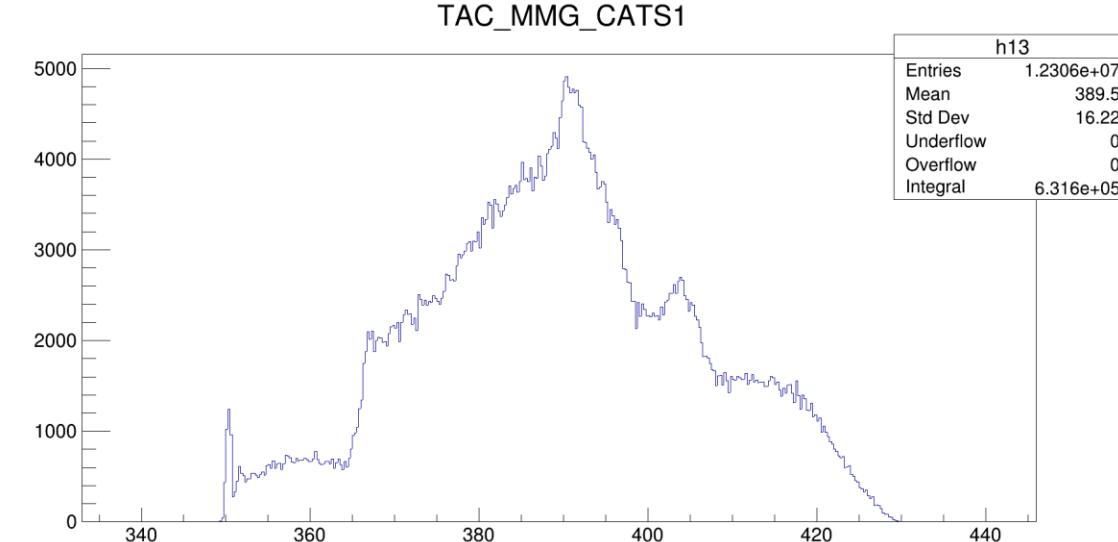
# MG\_conditioned



# MG\_conditioned

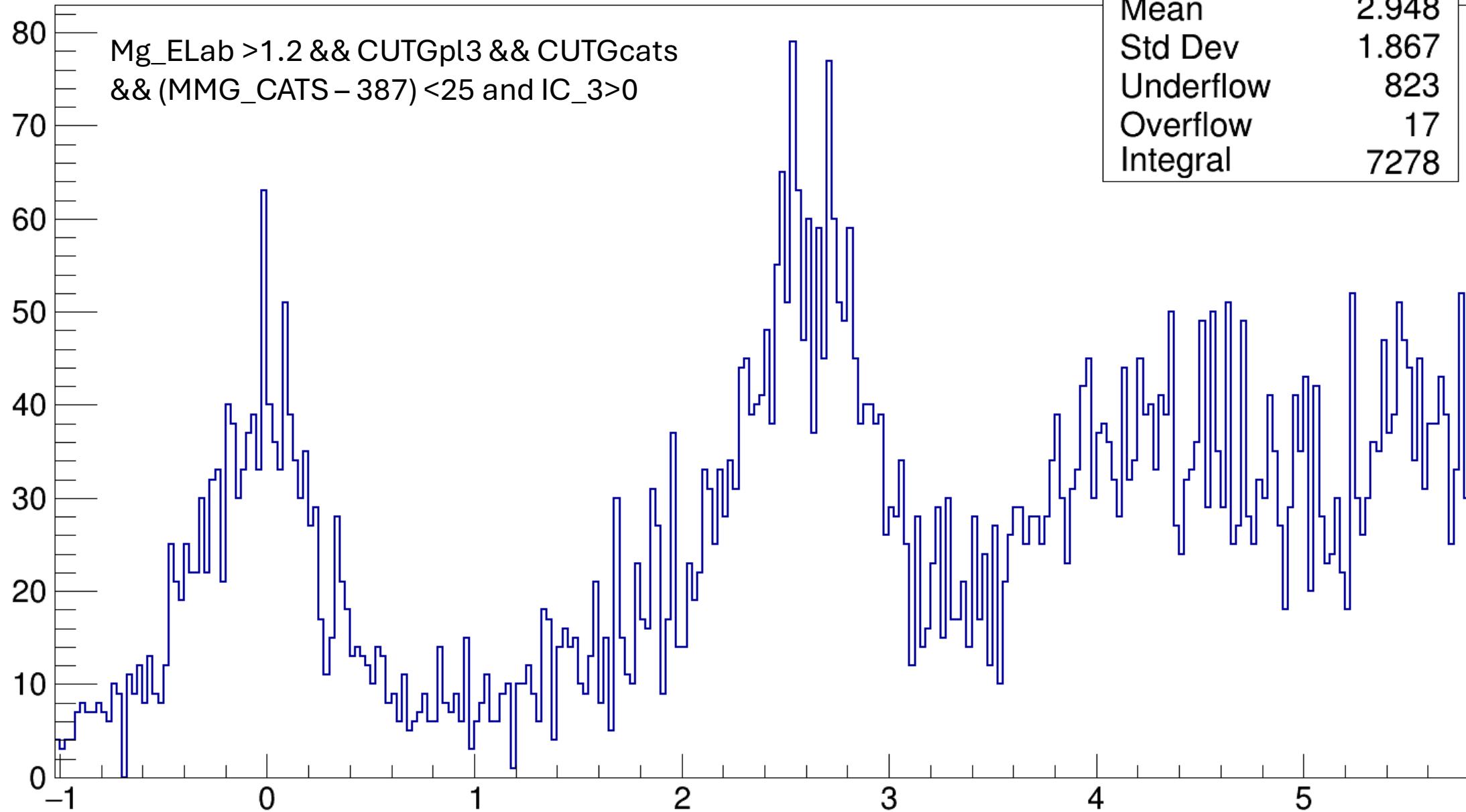


h5	
Entries	31307
Mean	7.642
Std Dev	4.119
Underflow	998
Overflow	21
Integral	3.029e+04

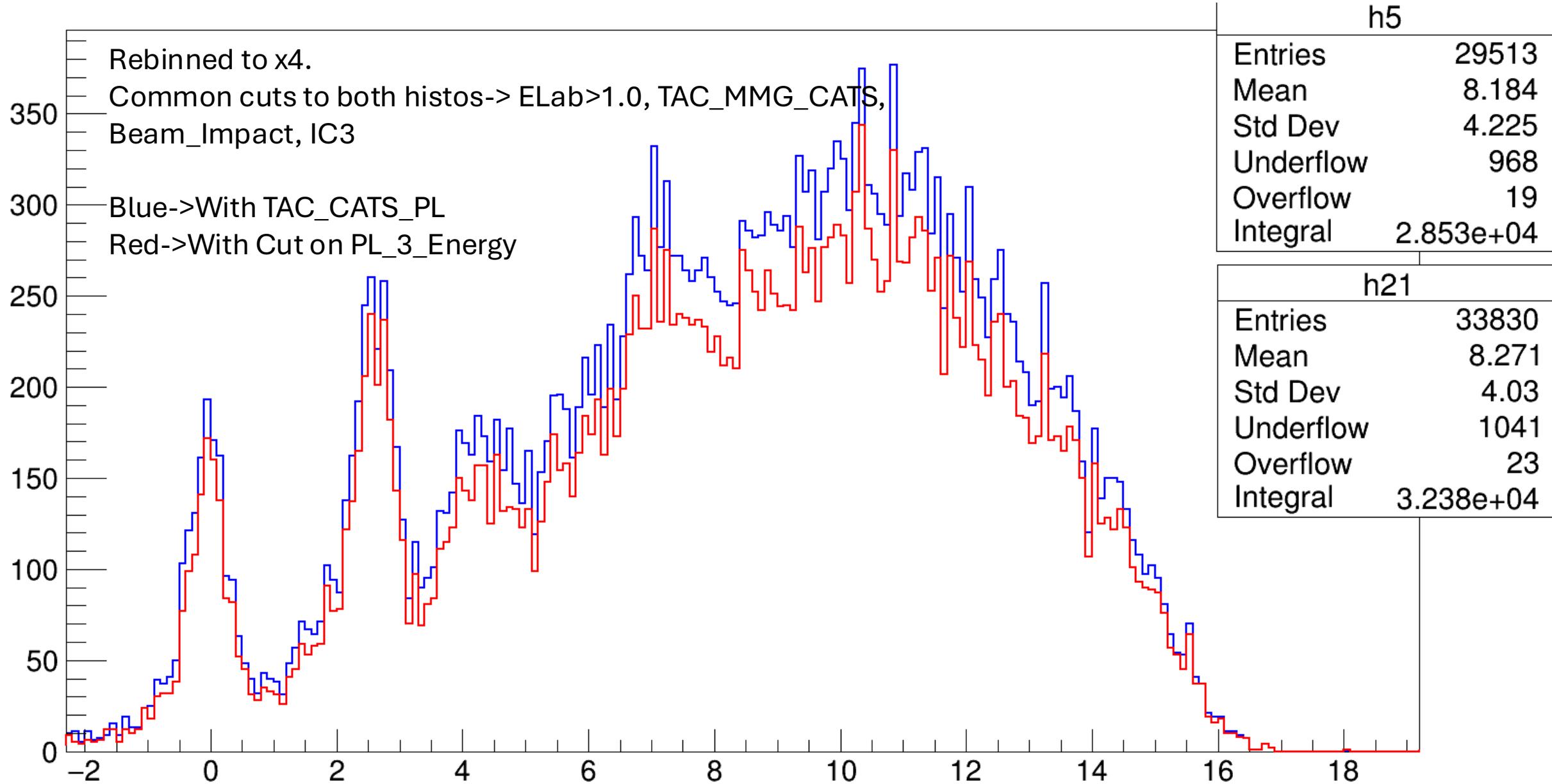


h13	
Entries	1.2306e+07
Mean	389.5
Std Dev	16.22
Underflow	0
Overflow	0
Integral	6.316e+05

# MG\_conditioned



# MG\_conditioned with TAC\_CATS\_PL vs Energy of PL3



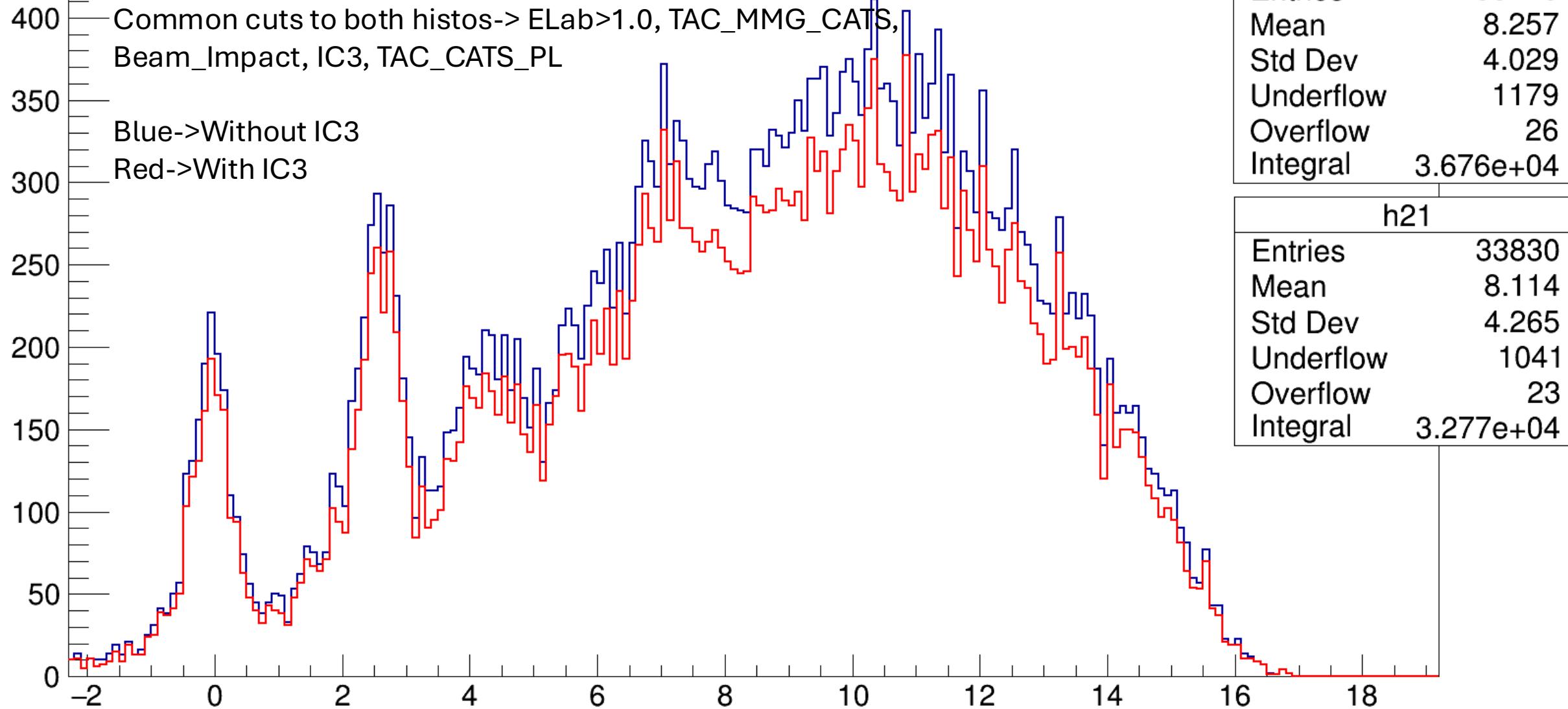
# MG\_conditioned\_with TAC\_CATS\_PL w/ and w/o IC cut

Rebinned to x4.

Common cuts to both histos-> ELab>1.0, TAC\_MMG\_CATS,  
Beam\_Impact, IC3, TAC\_CATS\_PL

Blue->Without IC3

Red->With IC3



h22

Entries	38418
Mean	8.257
Std Dev	4.029
Underflow	1179
Overflow	26
Integral	3.676e+04

h21

Entries	33830
Mean	8.114
Std Dev	4.265
Underflow	1041
Overflow	23
Integral	3.277e+04

MG\_Exnocor { CUTGcats && MG\_ELab>1.2 && abs(TAC\_MMG\_CATS1-387)<25 && IC\_3 && CUTGpl3}

