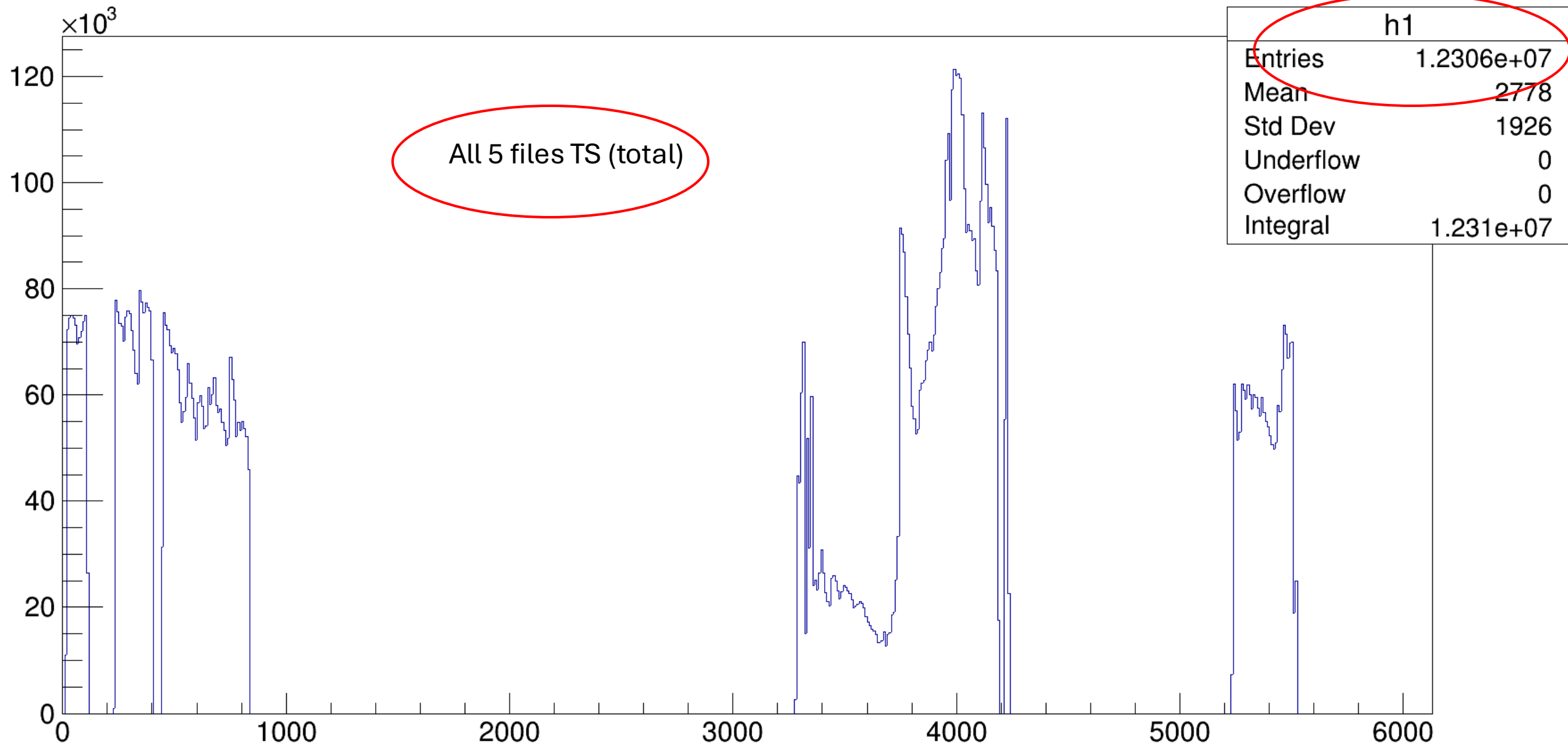
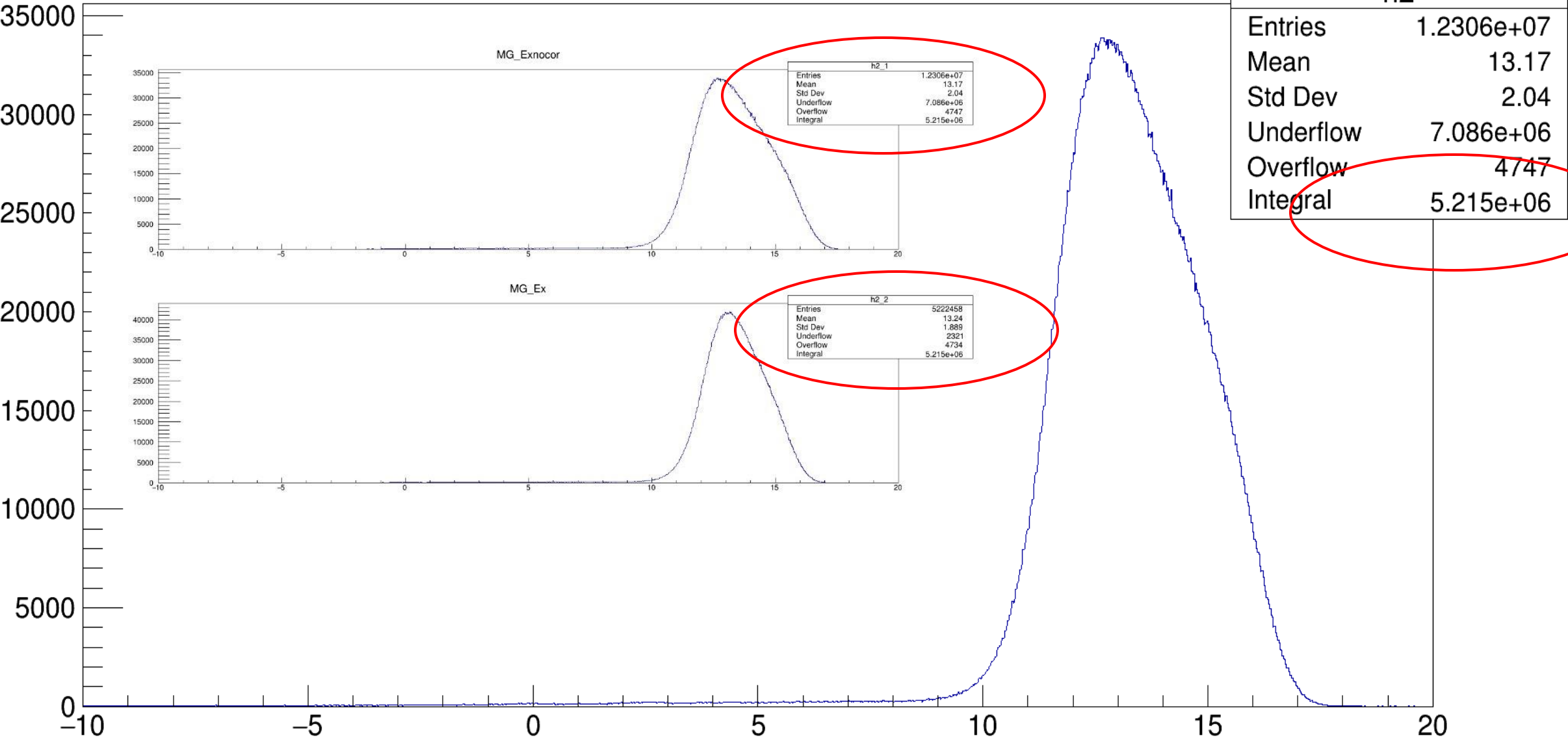


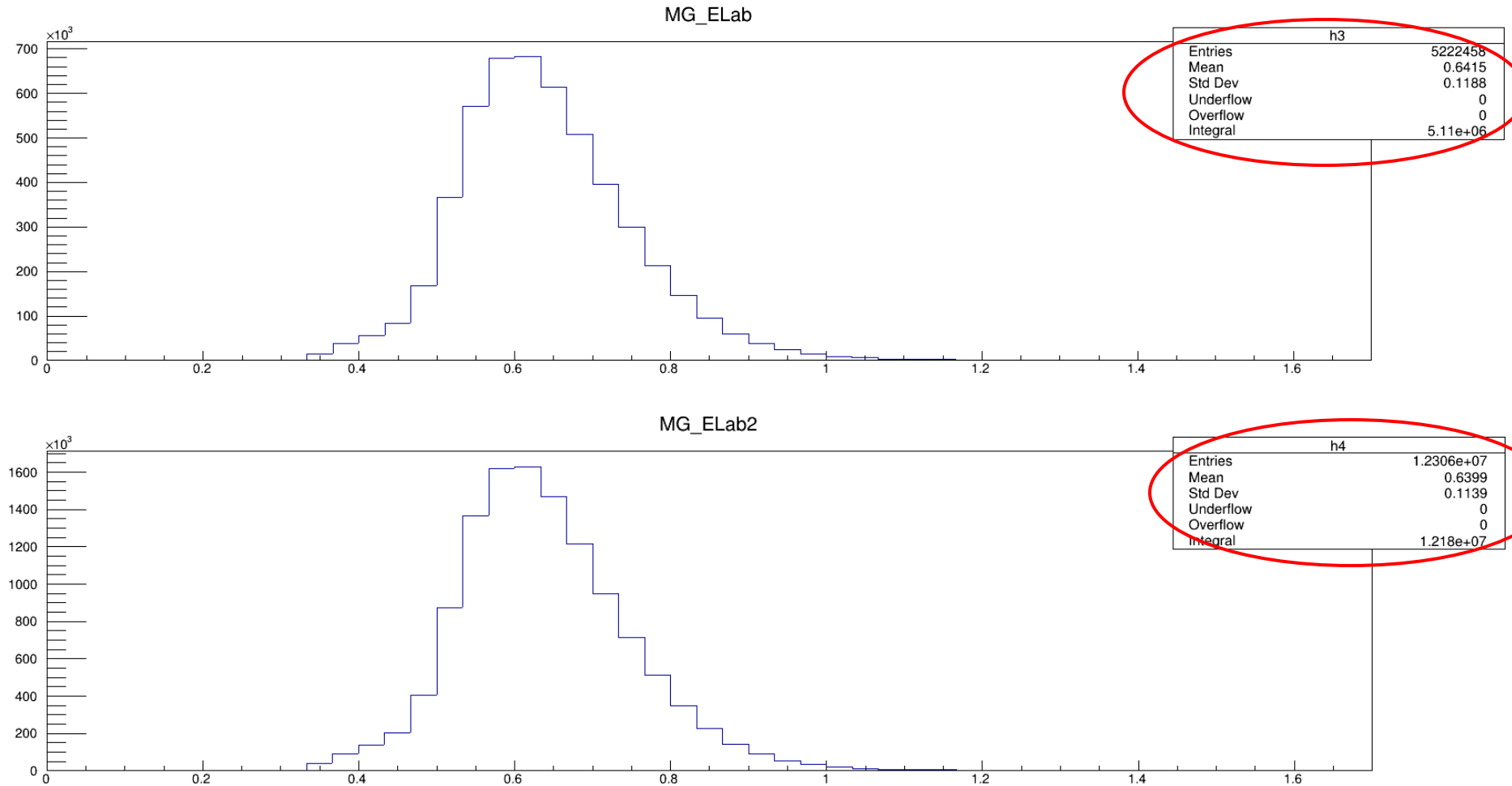
GATCONFTS



MG_Exnocor

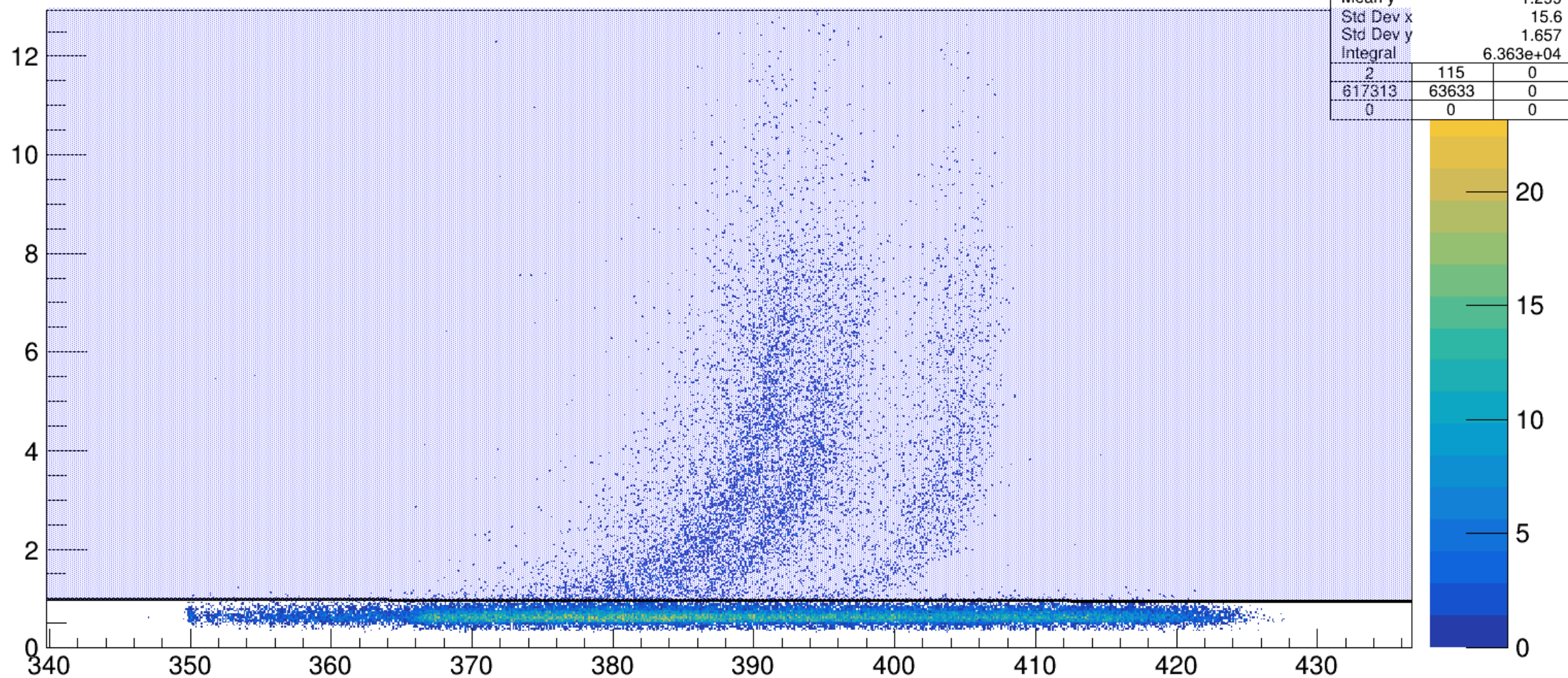


There are 2 branches MG_ELab and MG_ELab2.
In my version of the code they seem to be the
same but maybe different in Ozge's version...
But for some reason MG_ELab2 have the same
#entries as E* but not MG_ELab



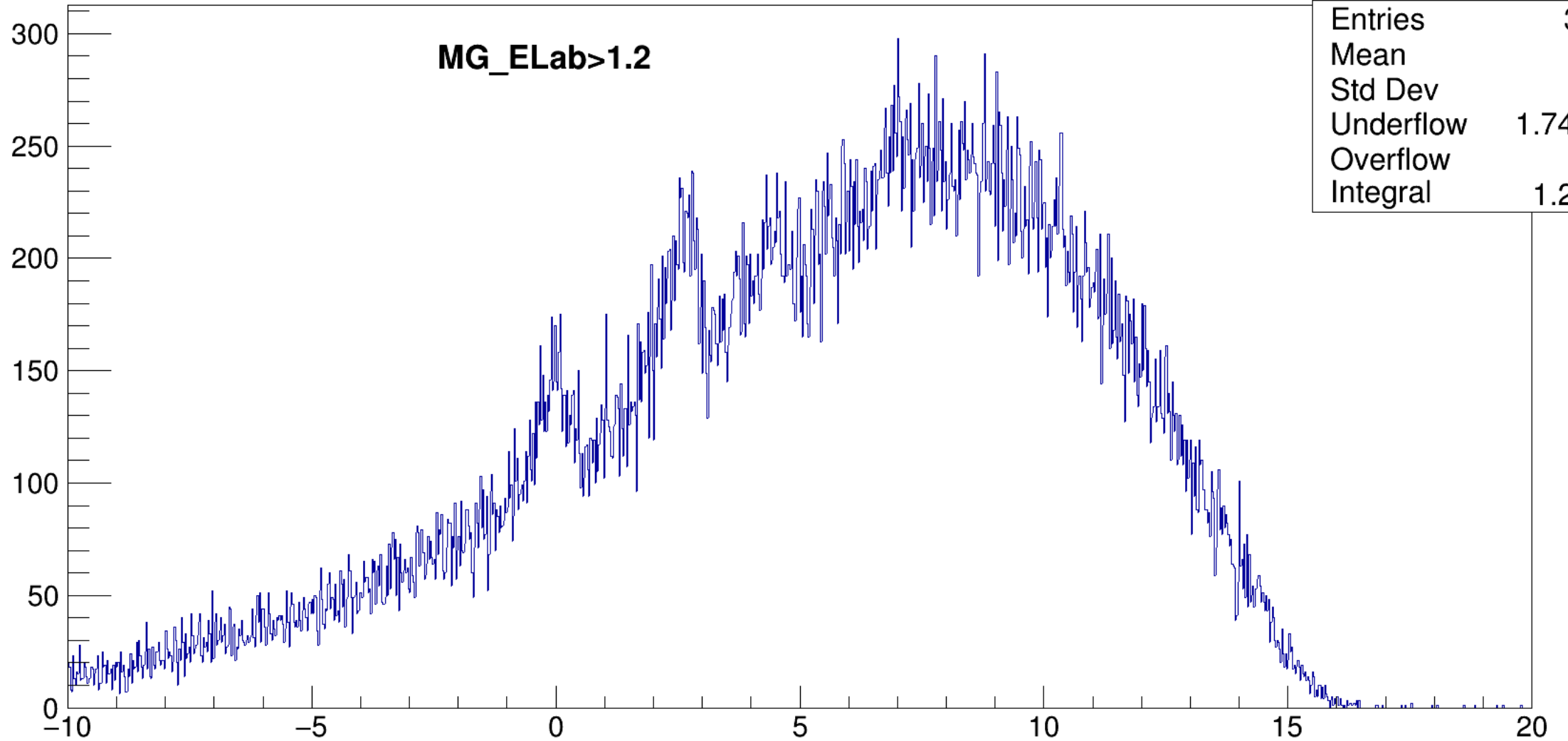
A way to see the cut on MG_ELab value>1.0

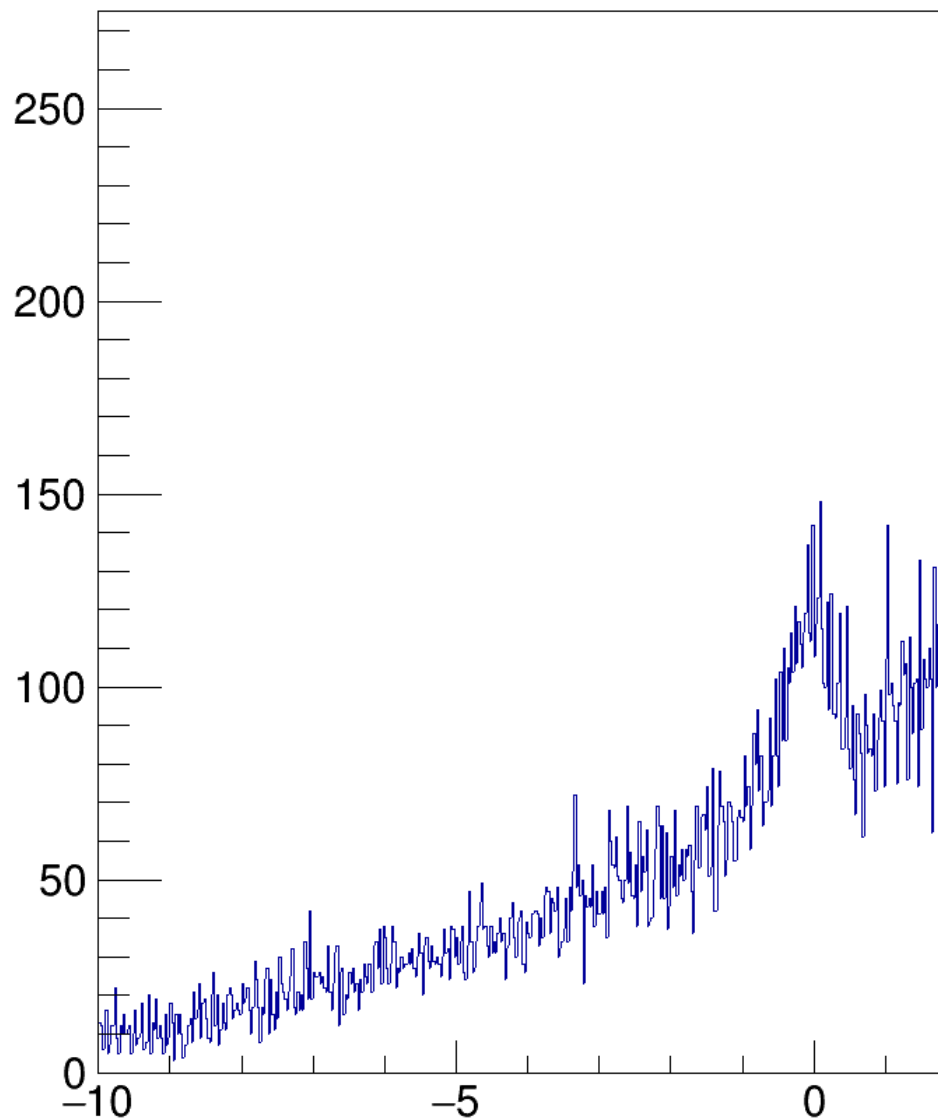
MG_ELab:TAC_MMG_CATS1



MG_conditioned

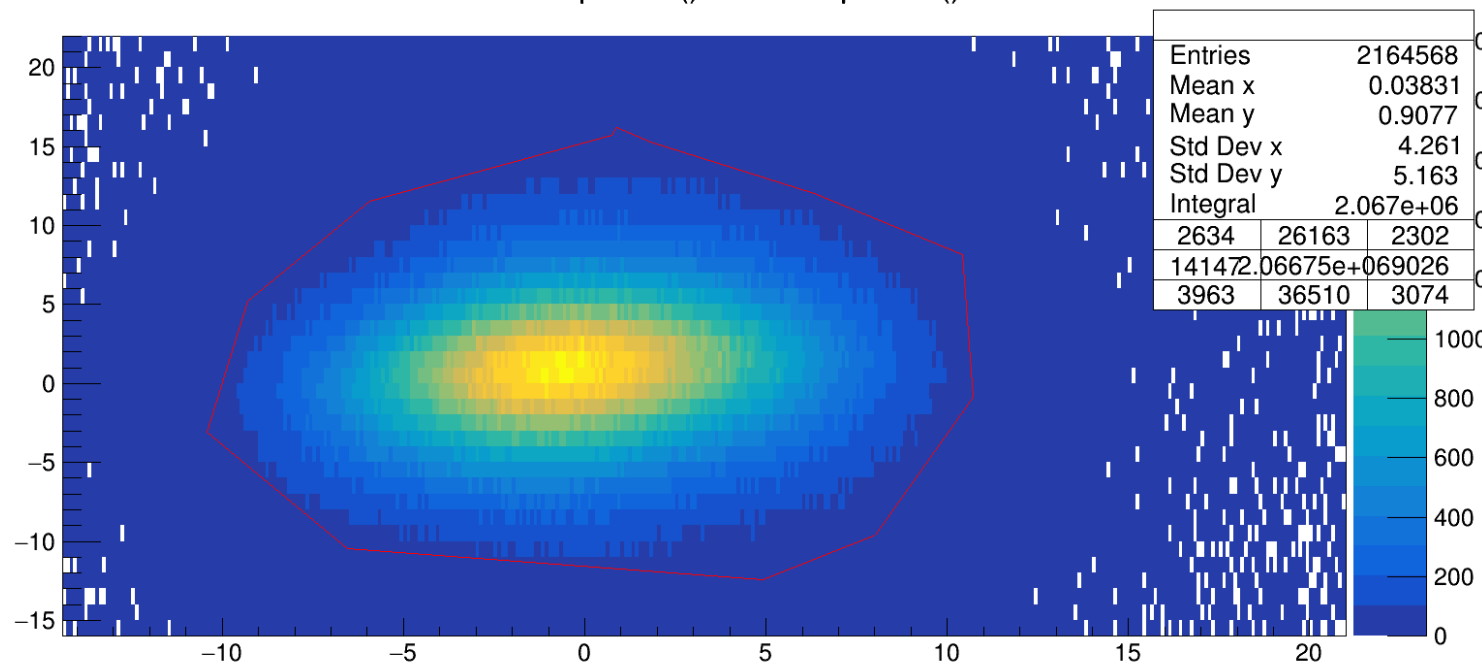
h5	
Entries	300781
Mean	5.416
Std Dev	5.243
Underflow	1.747e+05
Overflow	114
Integral	1.26e+05





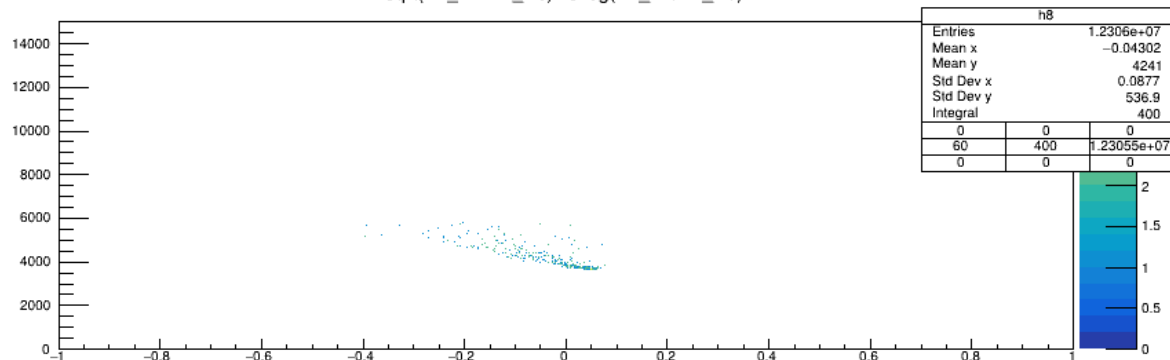
This CATS cut along with ELab>1.2

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

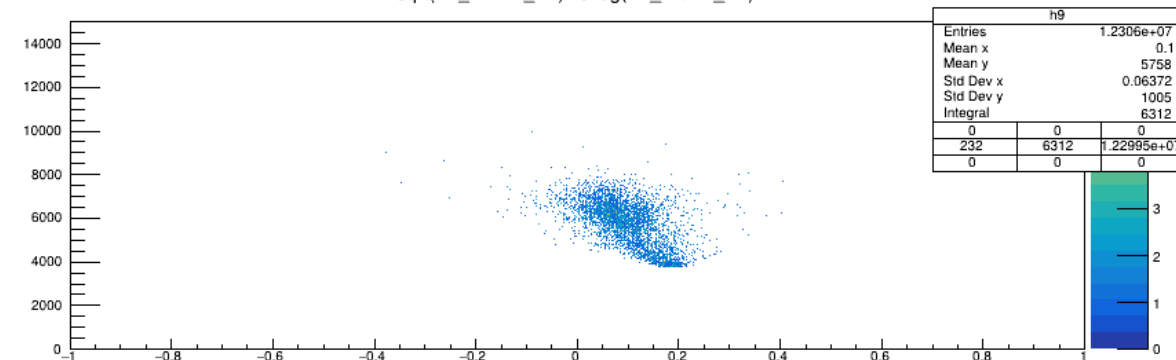


Entries	2164568	
Mean x	0.03831	
Mean y	0.9077	
Std Dev x	4.261	
Std Dev y	5.163	
Integral	2.067e+06	
2634	26163	2302
141472	06675e+06	9026
3963	36510	3074

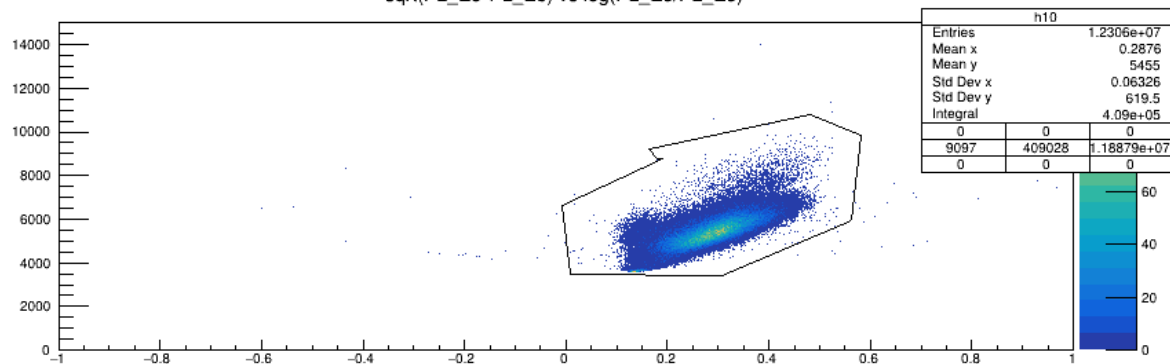
$\sqrt{\text{PL_E1} \cdot \text{PL_E6}}$ vs $\log(\text{PL_E1}/\text{PL_E6})$



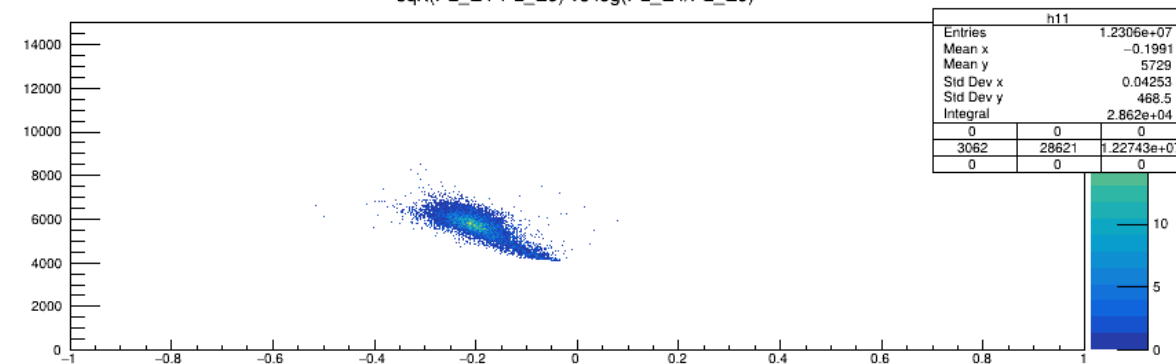
$\sqrt{\text{PL_E2} \cdot \text{PL_E7}}$ vs $\log(\text{PL_E2}/\text{PL_E7})$



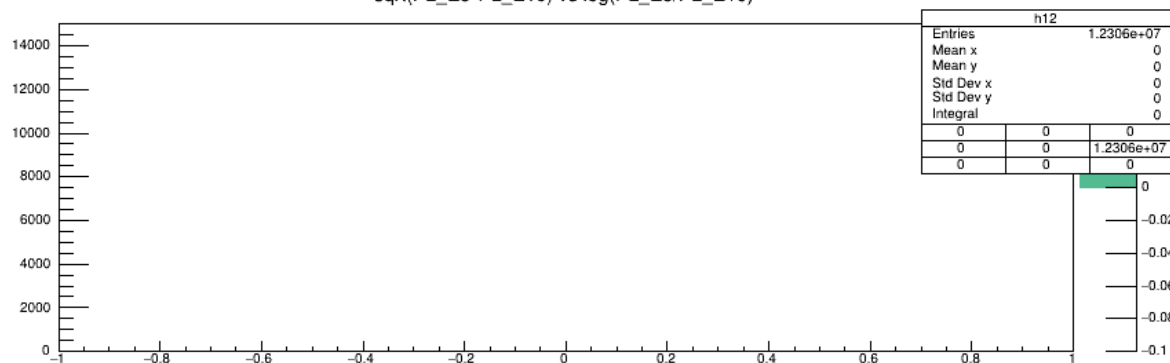
$\sqrt{\text{PL_E3} \cdot \text{PL_E8}}$ vs $\log(\text{PL_E3}/\text{PL_E8})$



$\sqrt{\text{PL_E4} \cdot \text{PL_E9}}$ vs $\log(\text{PL_E4}/\text{PL_E9})$

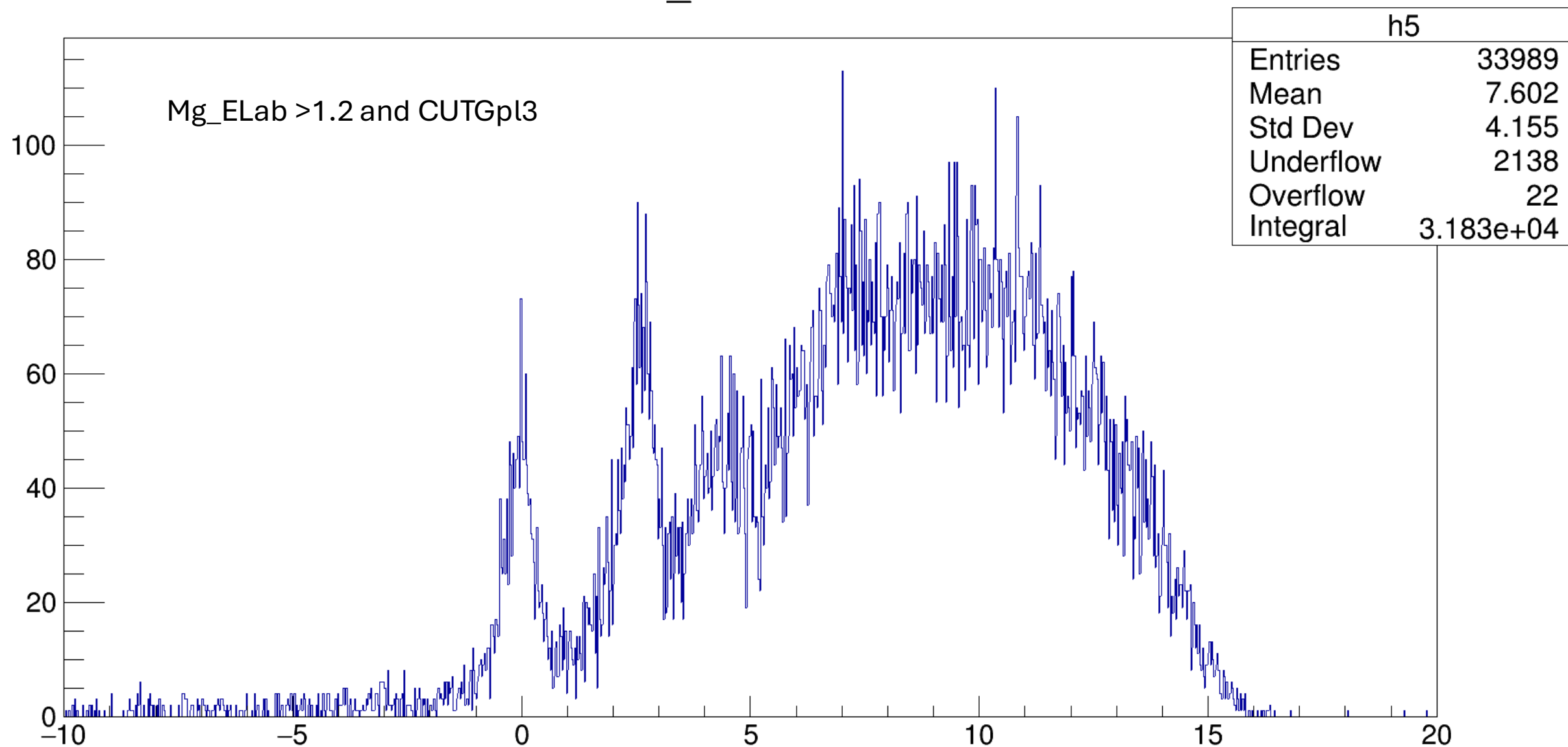


$\sqrt{\text{PL_E5} \cdot \text{PL_E10}}$ vs $\log(\text{PL_E5}/\text{PL_E10})$

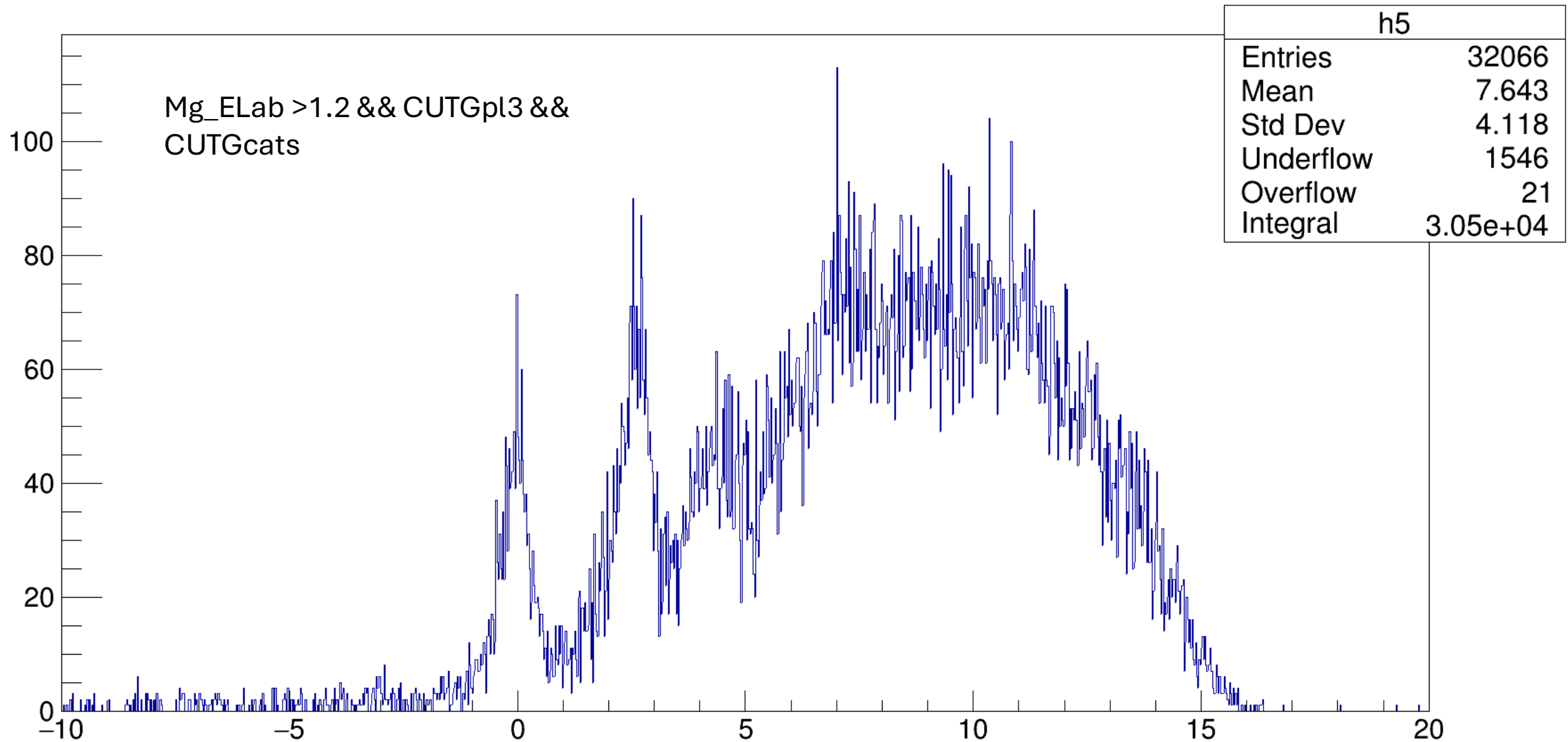


Drawing $\sqrt{\text{E3} \cdot \text{E8}}$ vs $\log(\text{E3}/\text{E8})$
Gating on the same

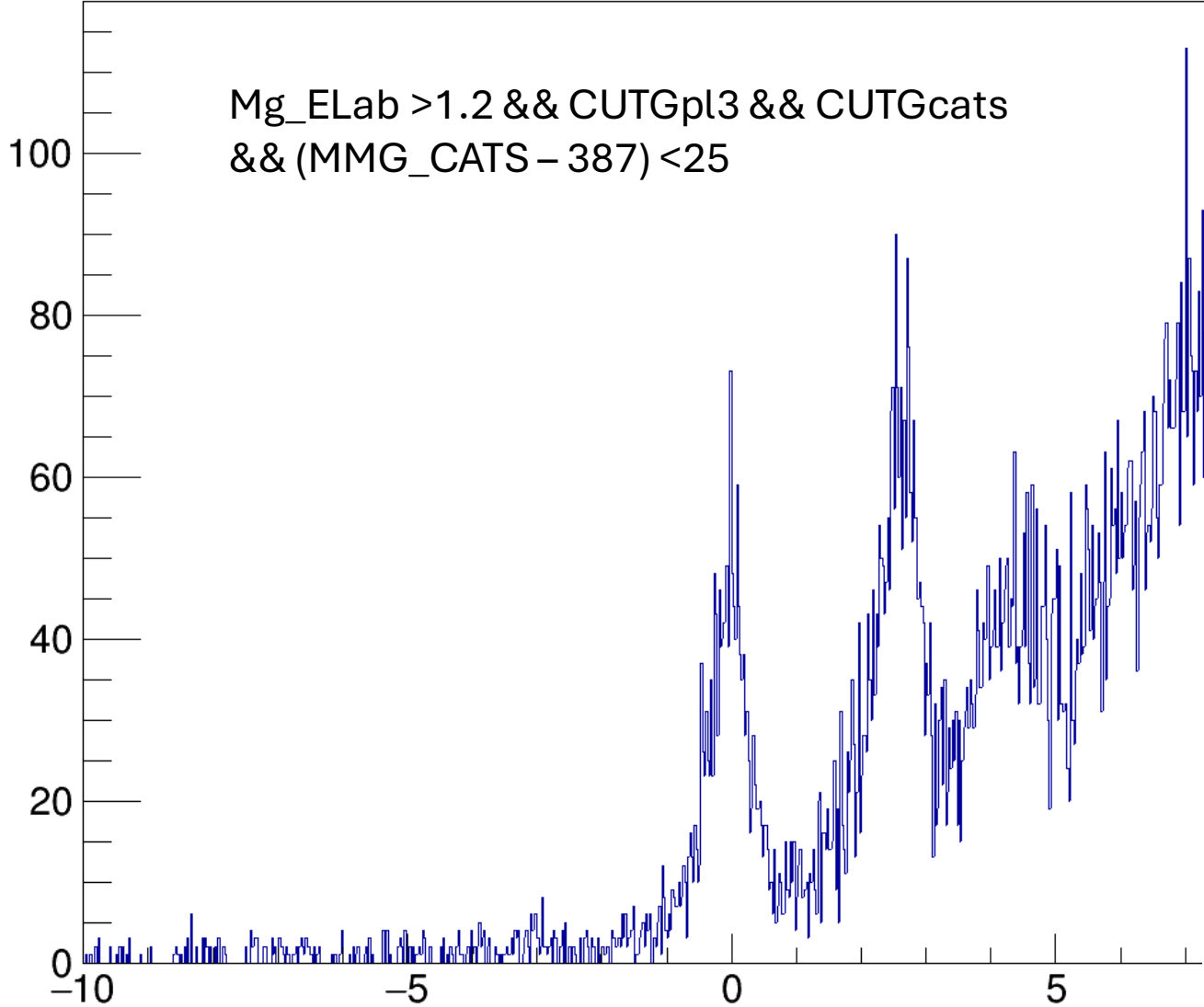
MG_conditioned



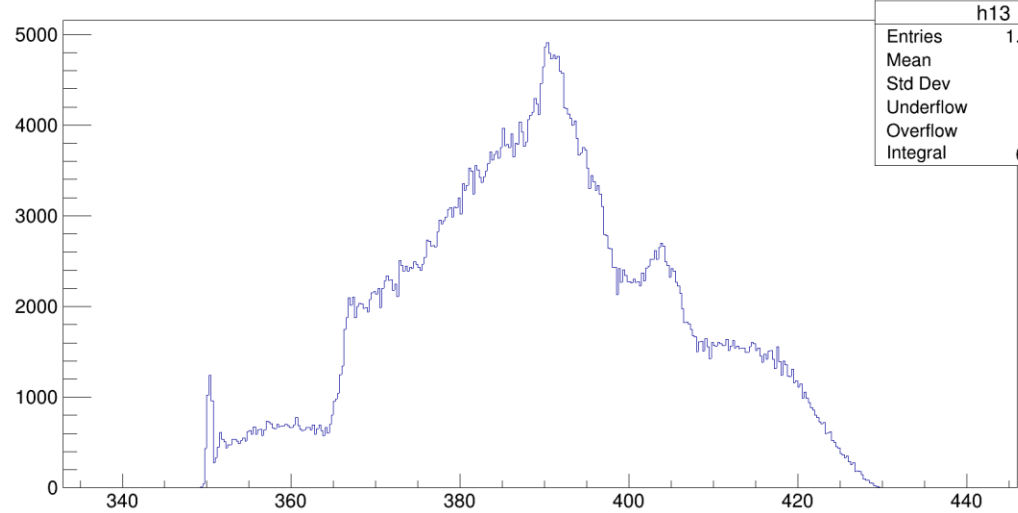
MG_conditioned



MG_conditioned

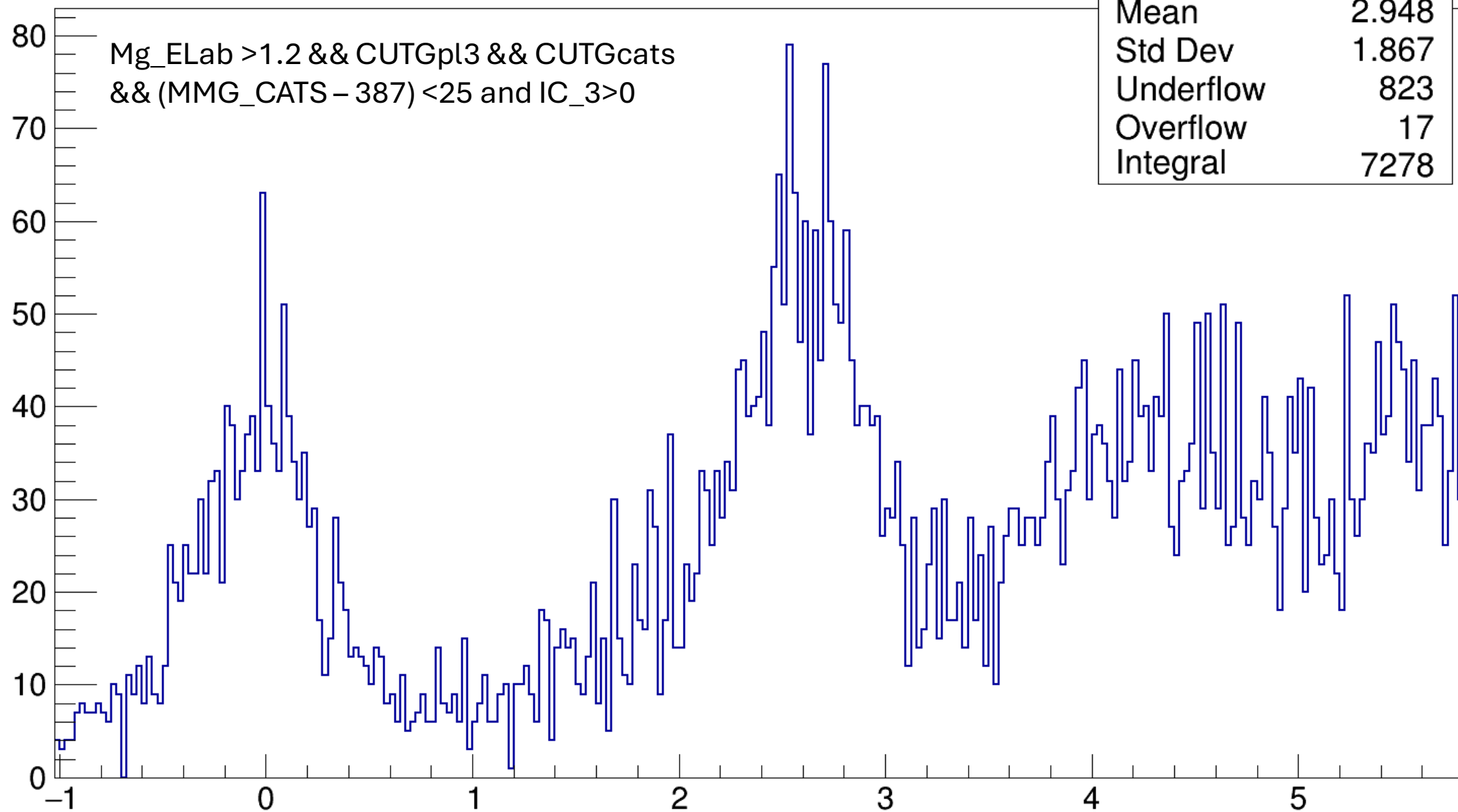


h5	
Entries	31307
Mean	7.642
Std Dev	4.119
Underflow	998
Overflow	21
Integral	3.029e+04

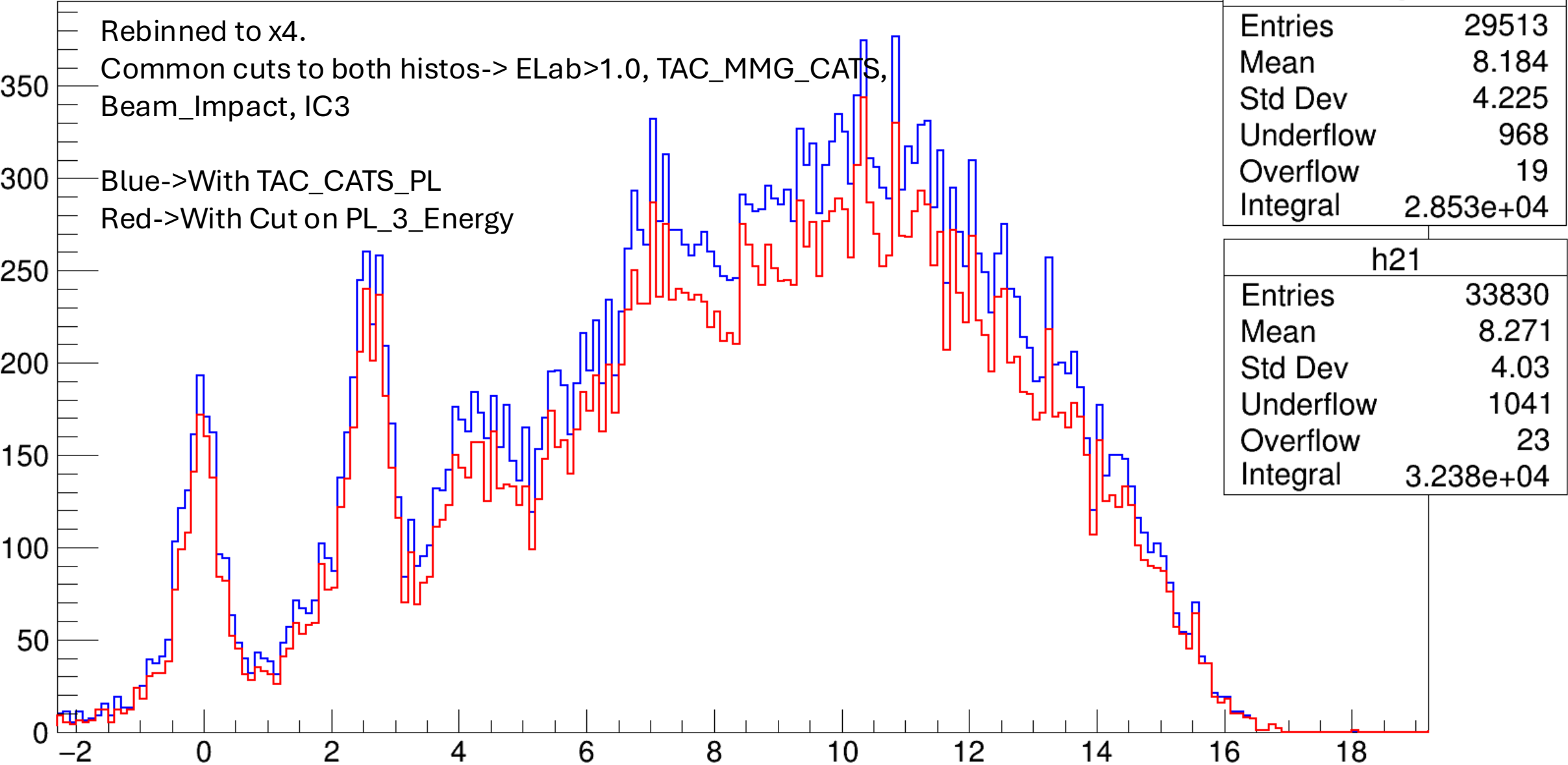


h13	
Entries	1.2306e+07
Mean	389.5
Std Dev	16.22
Underflow	0
Overflow	0
Integral	6.316e+05

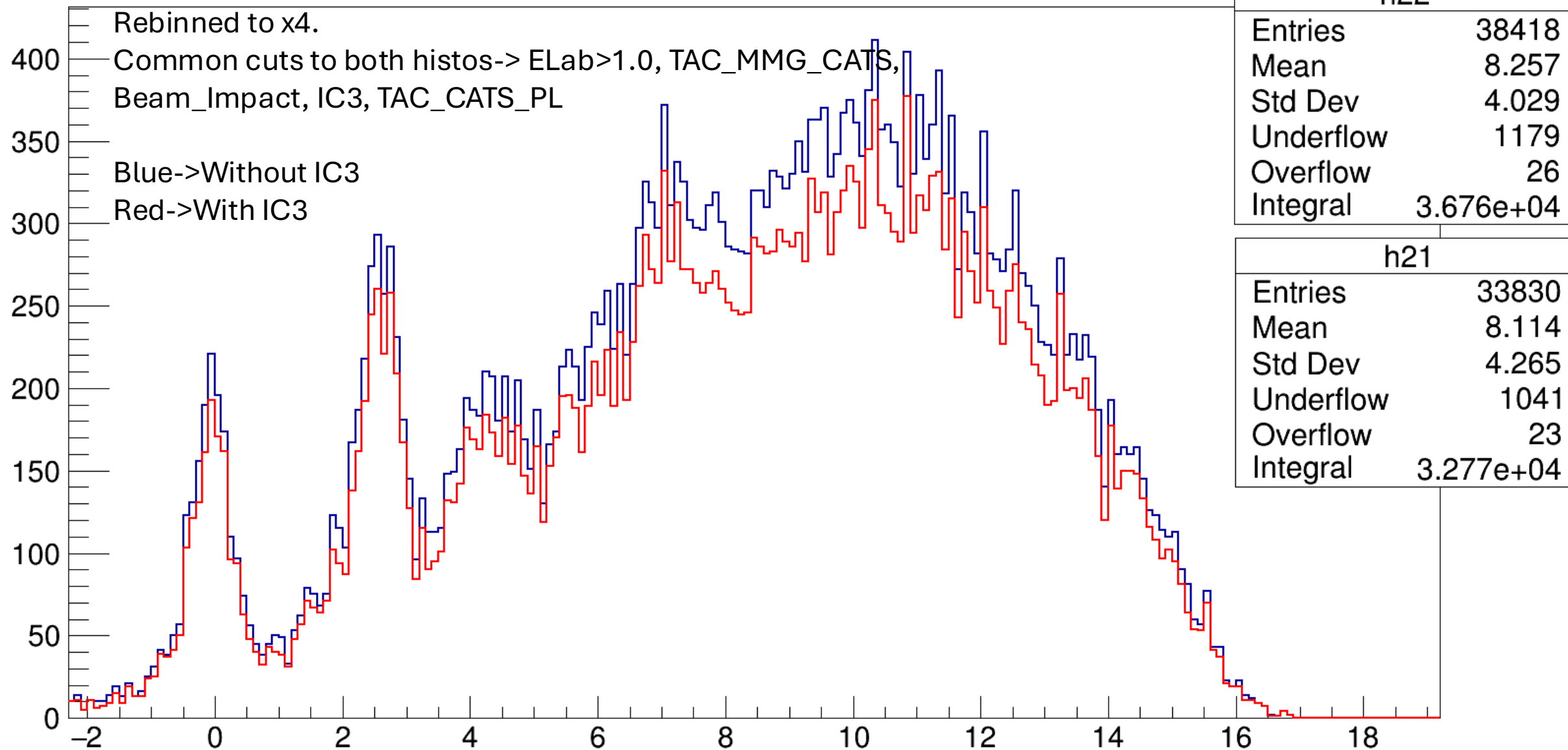
MG_conditioned



MG_conditioned with TAC_CATS_PL vs Energy of PL3



MG_conditioned_with TAC_CATS_PL w/ and w/o IC cut



MG_Exnocor { CUTGcats && MG_ELab>1.2 && abs(TAC_MMG_CATS1-387)<25 && IC_3 && CUTGpl3}

