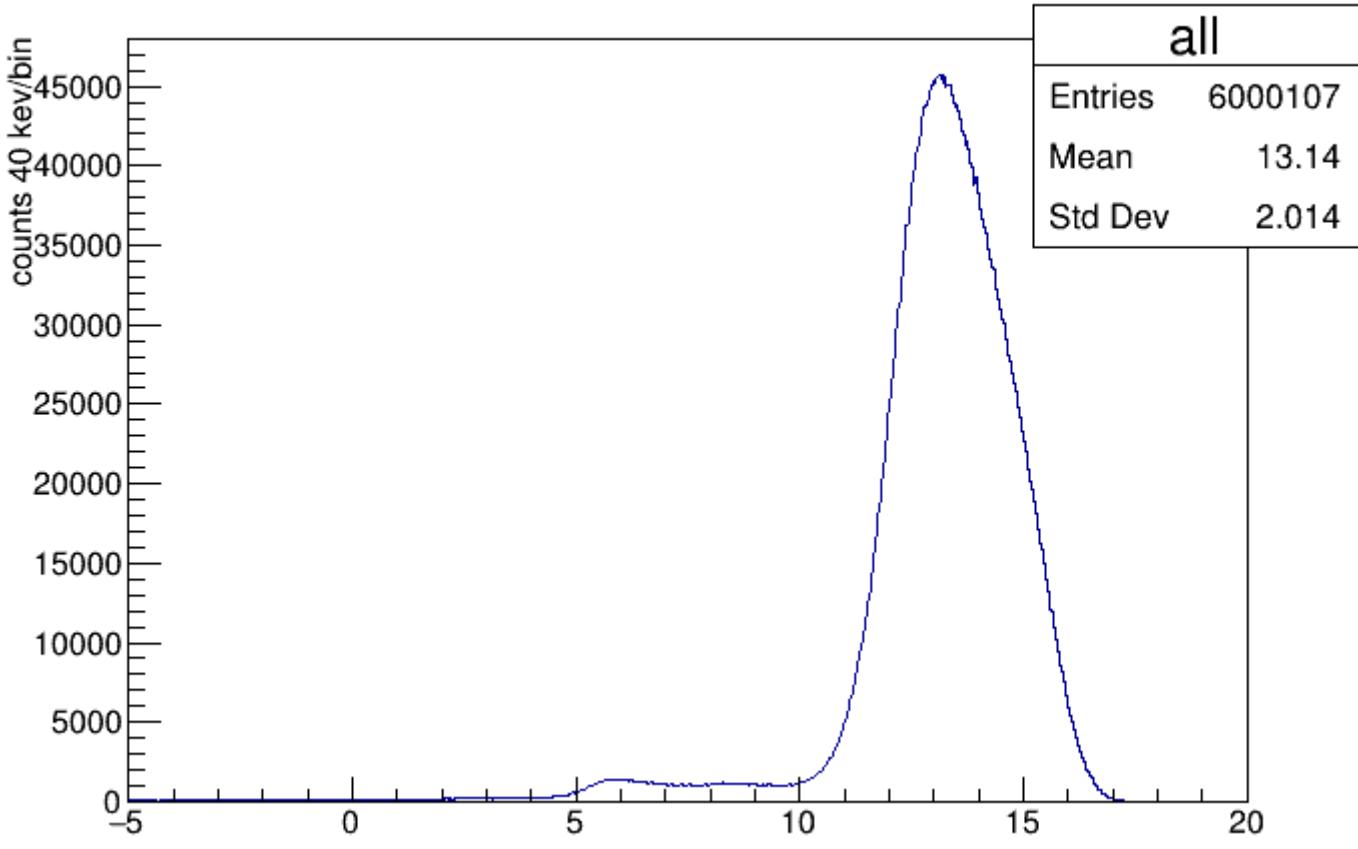
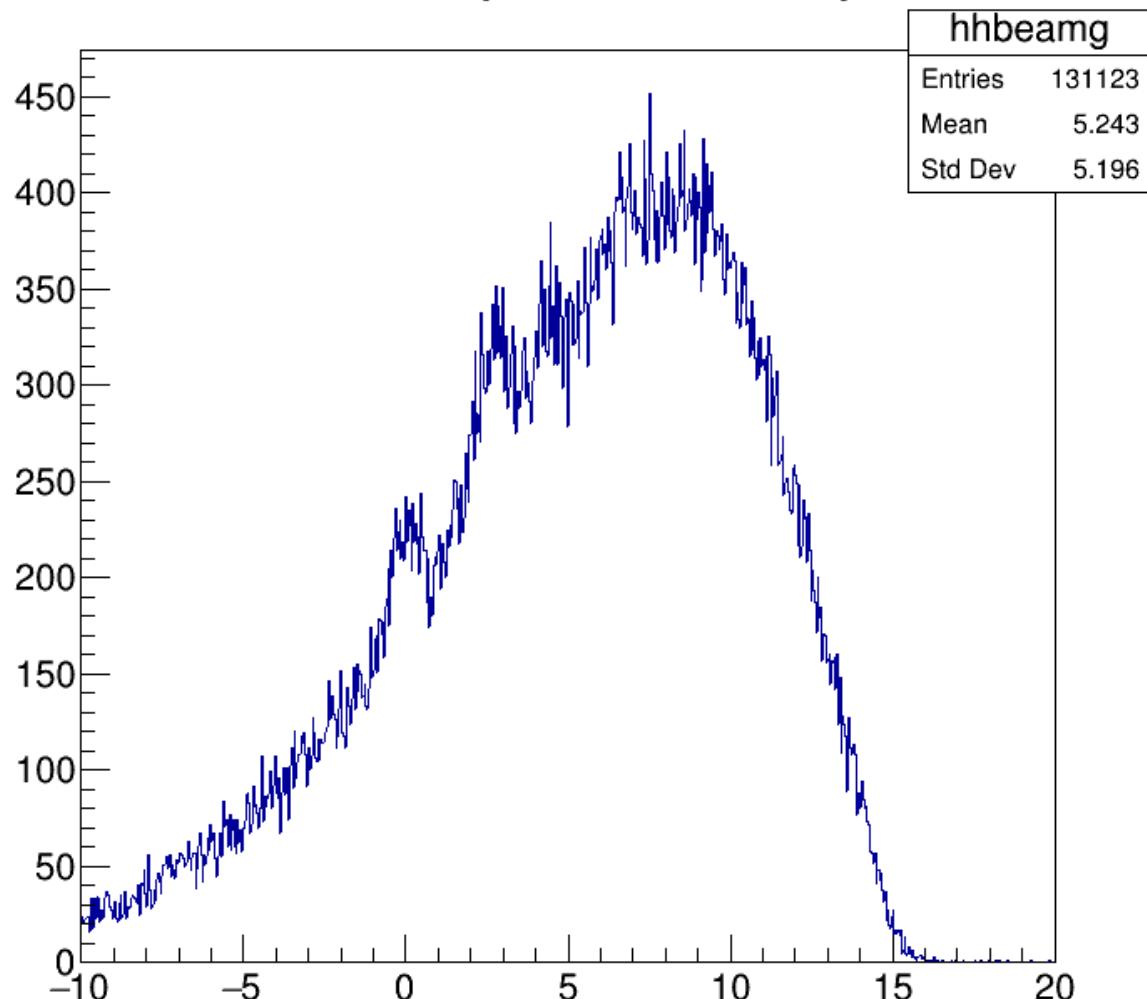


Cuts for the Ex step by step

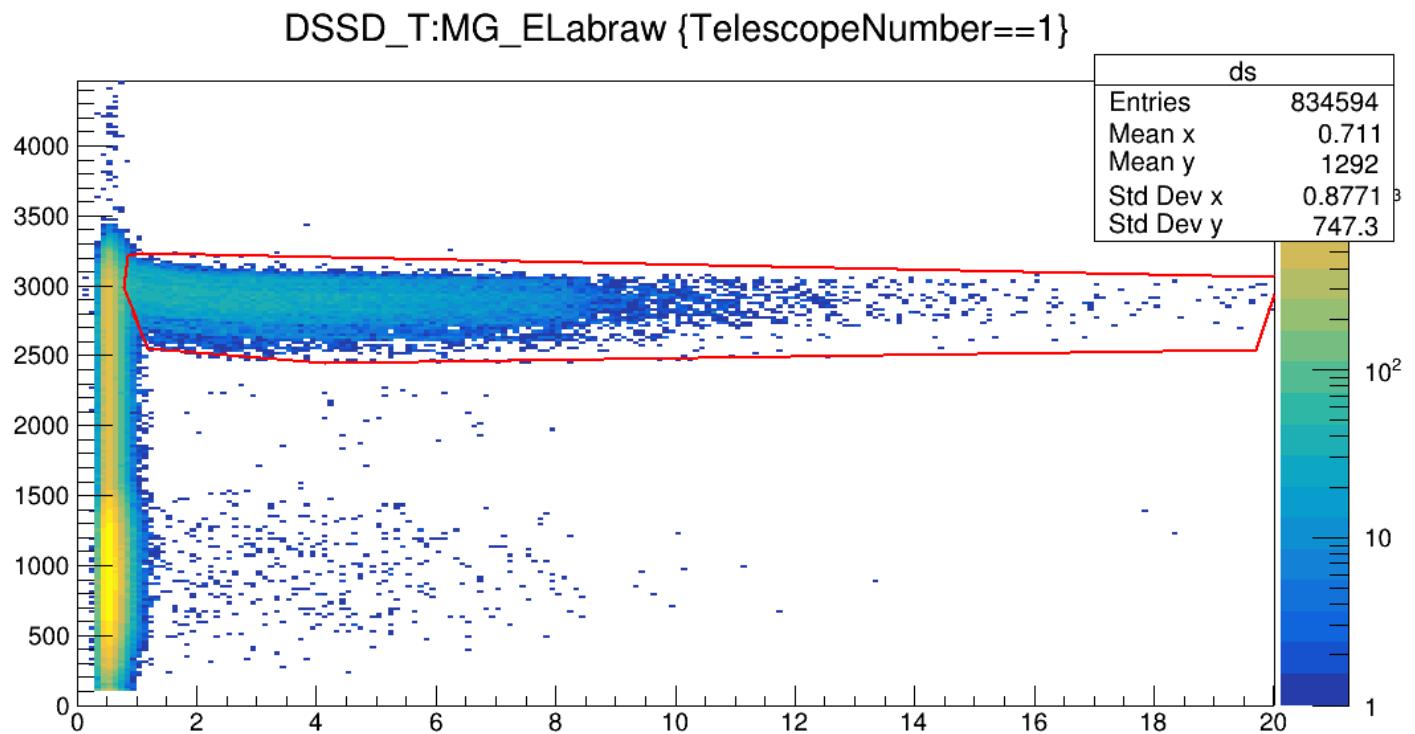
MG_Ex



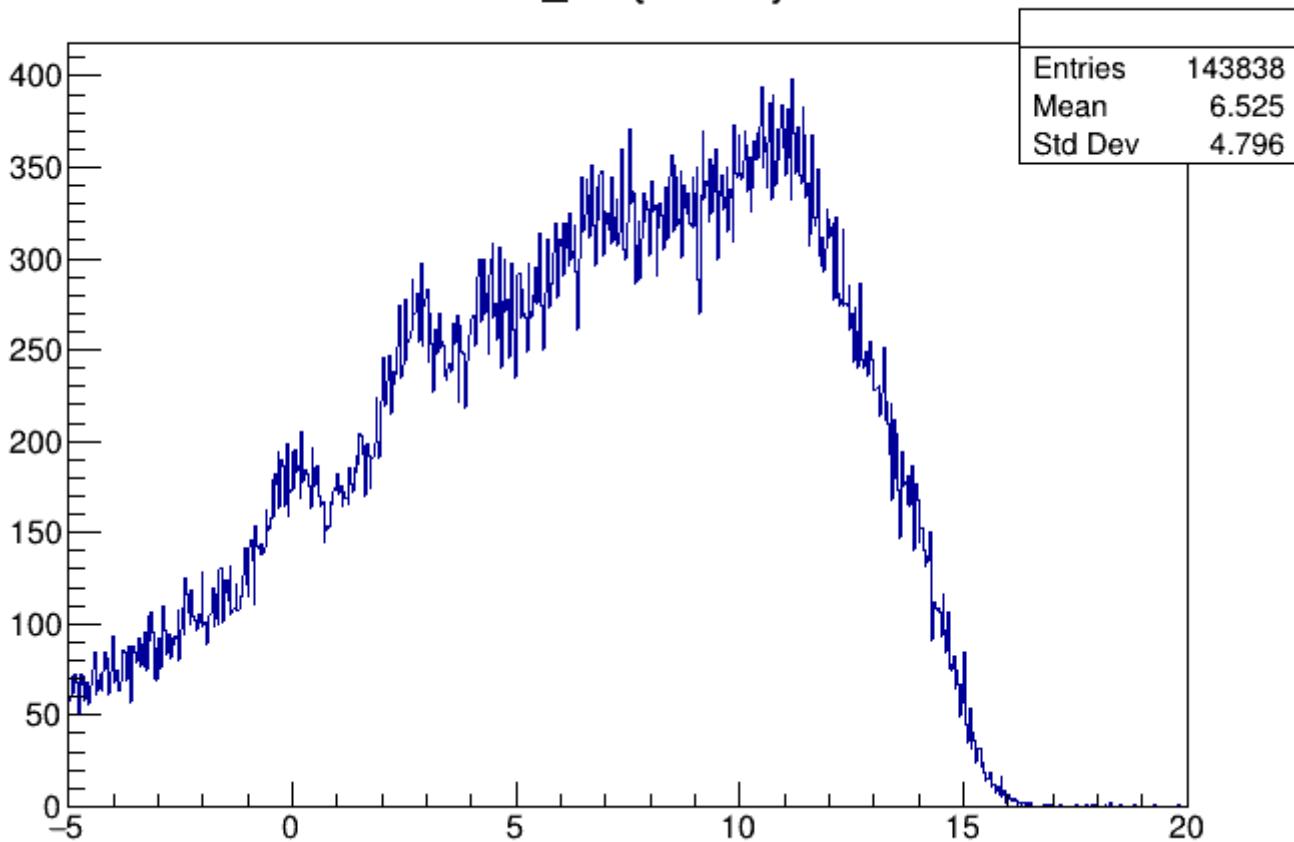
MG_Ex {MG_ELab>1.2}



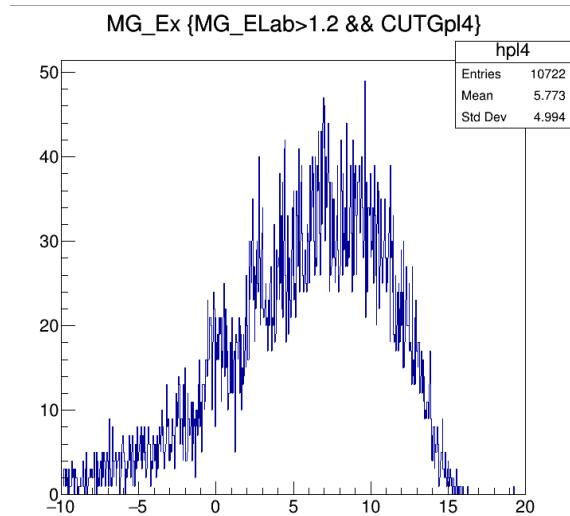
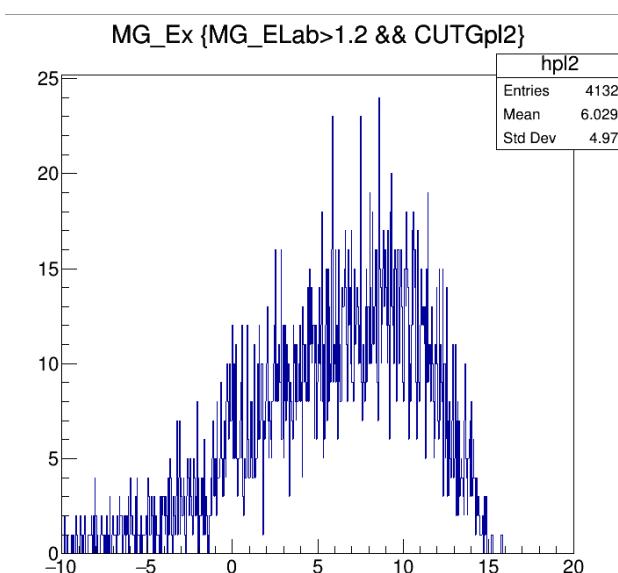
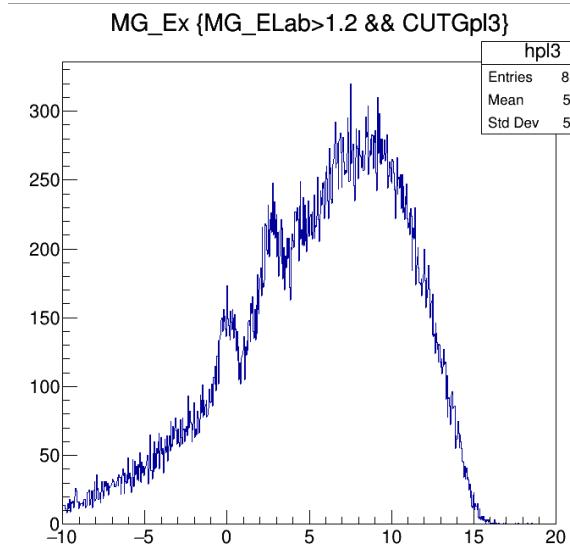
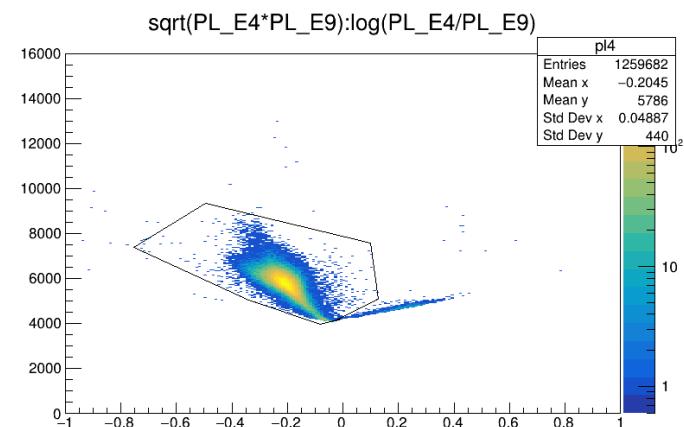
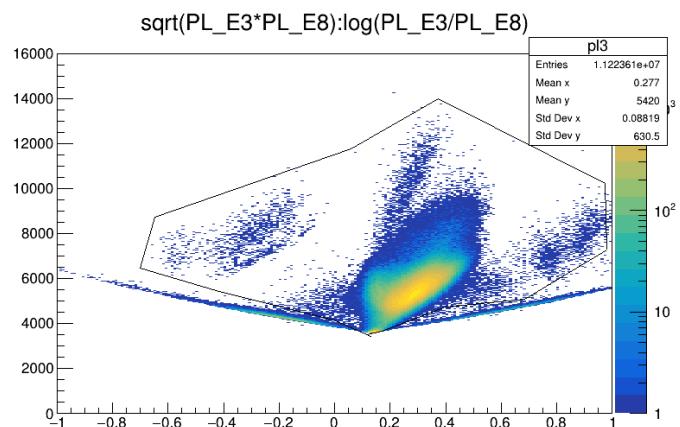
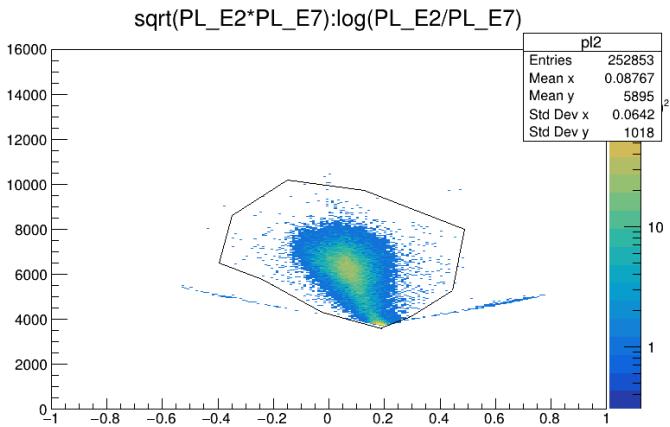
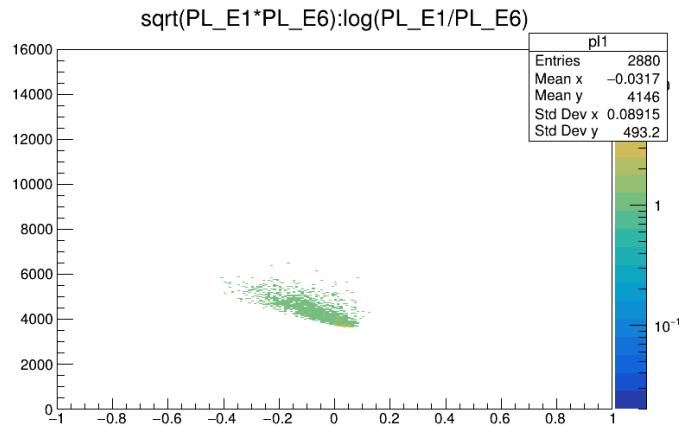
Big bump comes all the time here X axis is Energy and Y axis is Time.



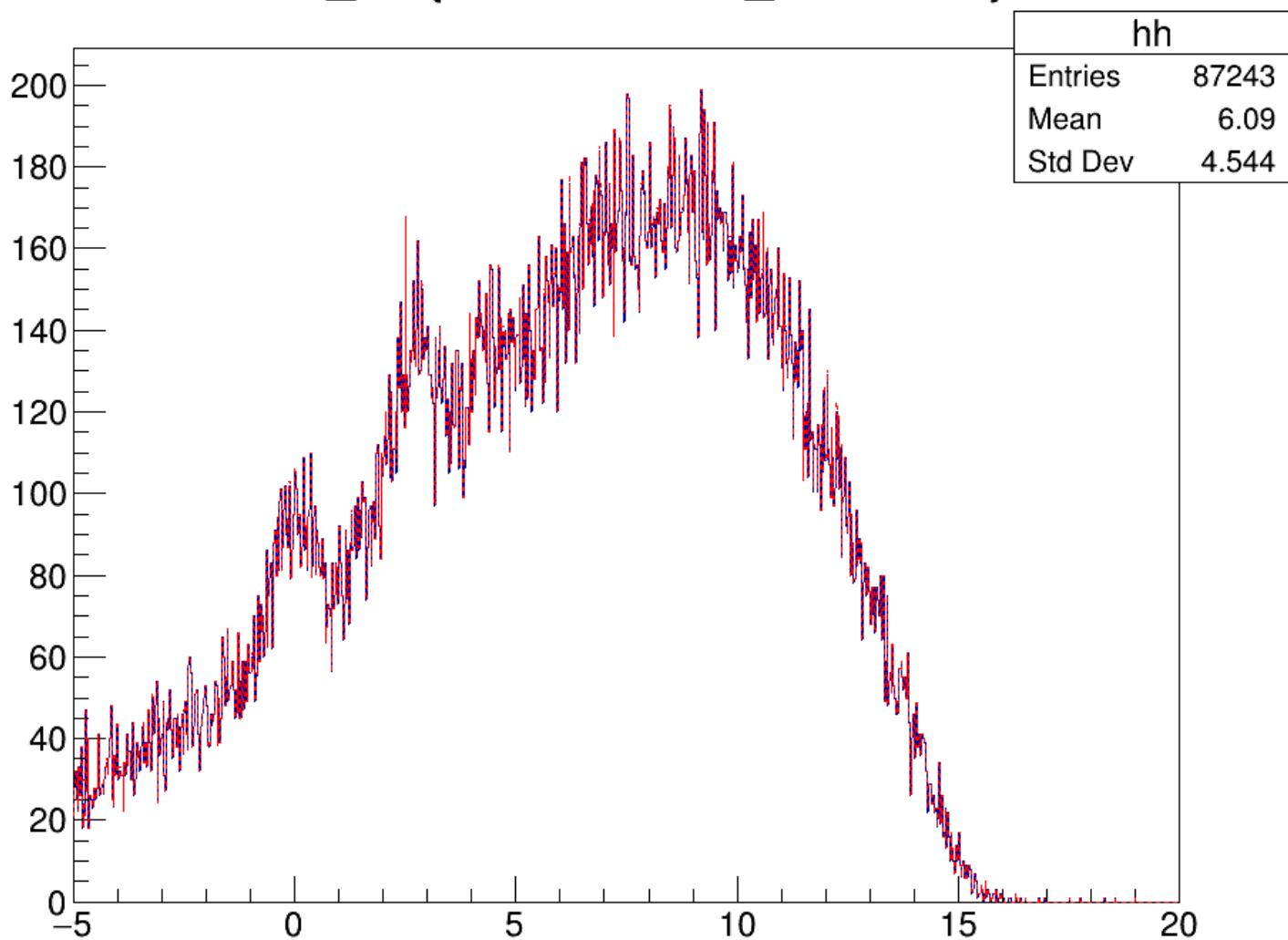
MG_Ex {CUTG}



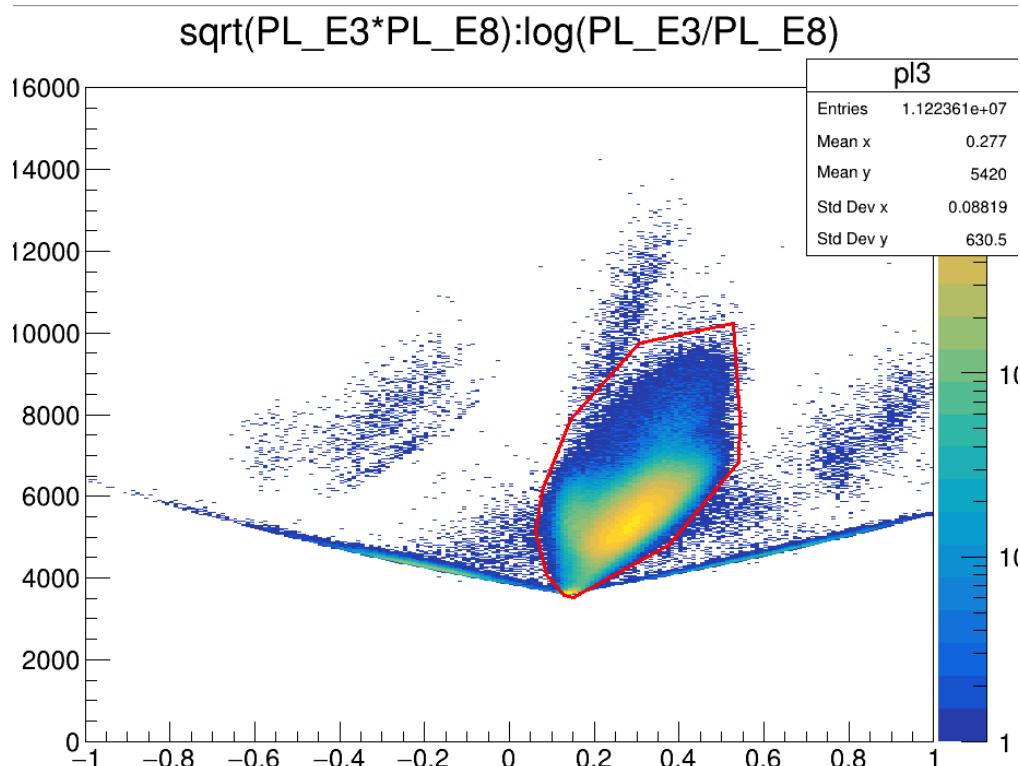
PLASTICS



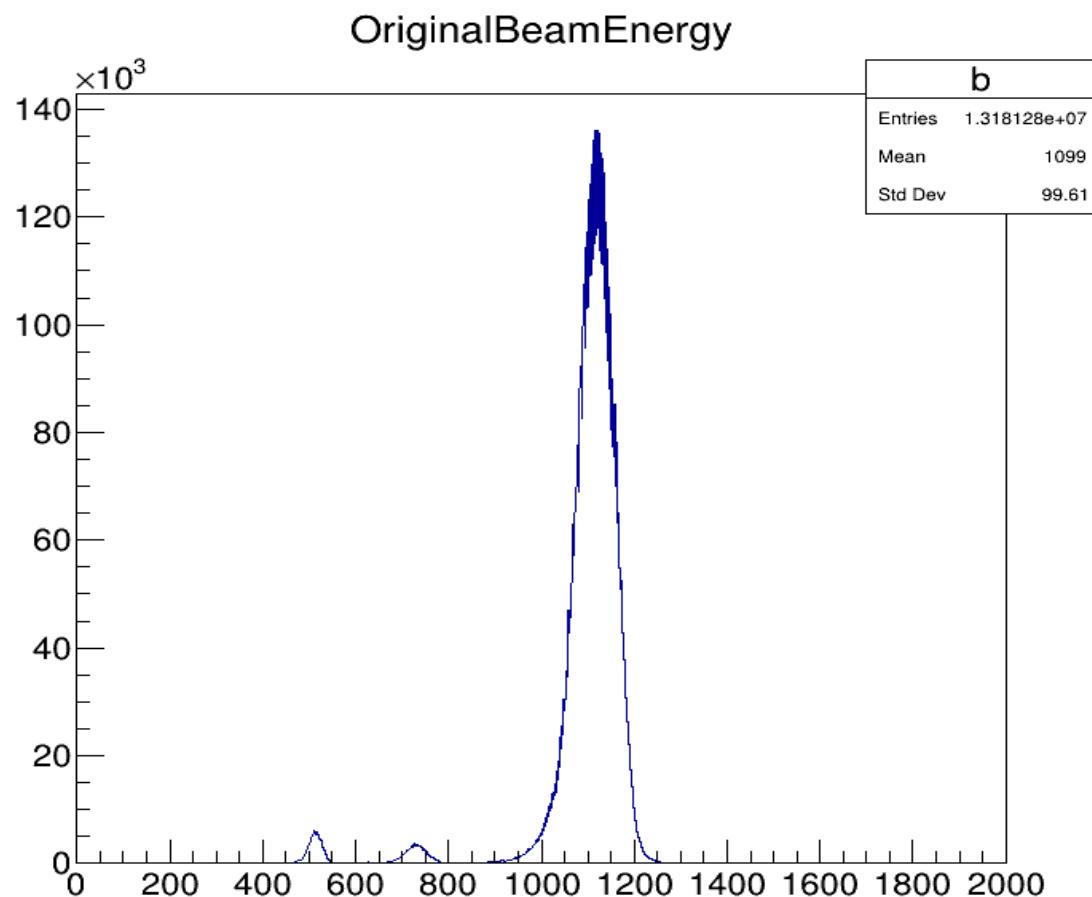
MG_Ex {CUTG&& MG_ELab>1.2}



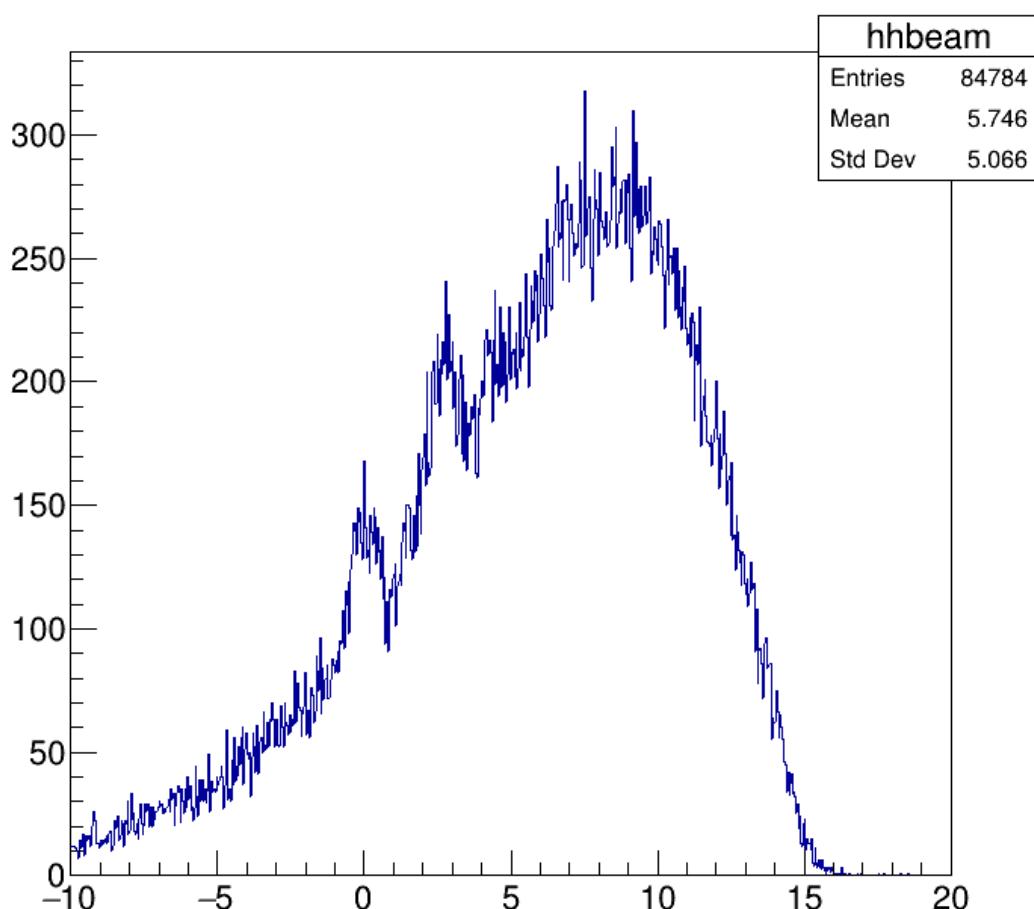
140 events change between big cut and small one.

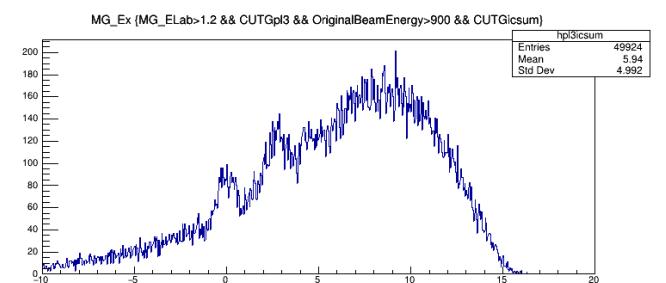
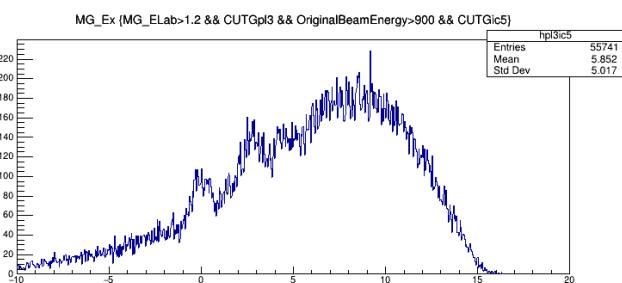
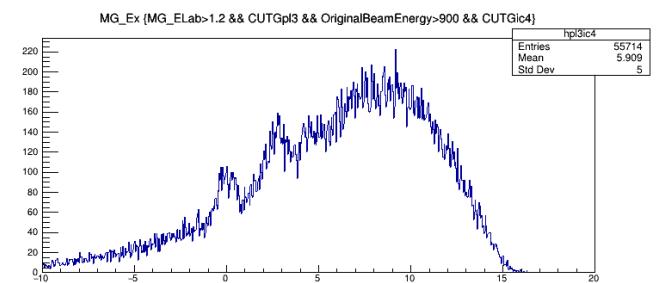
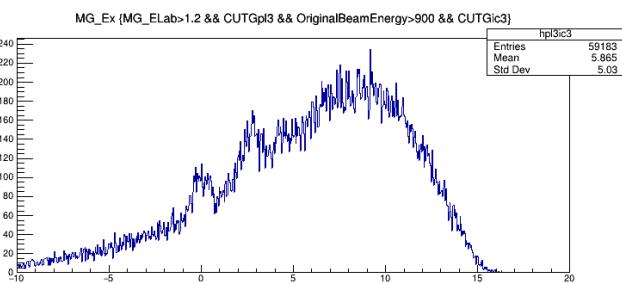
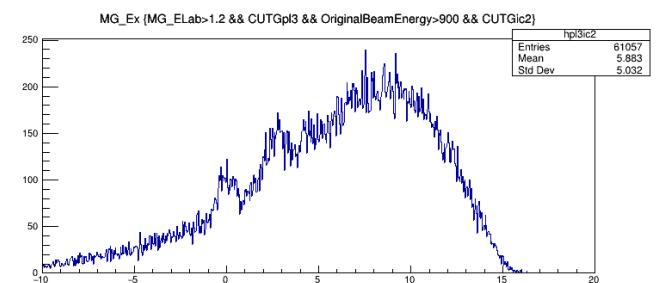
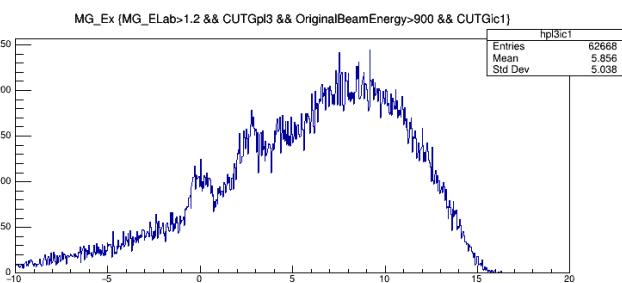
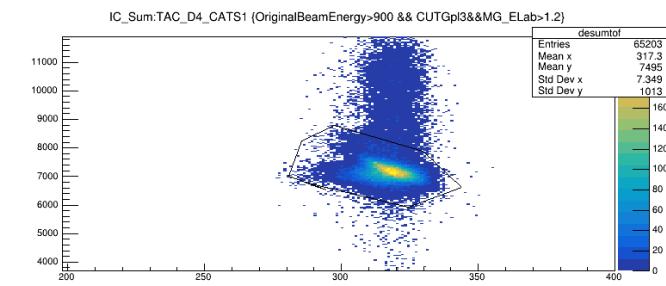
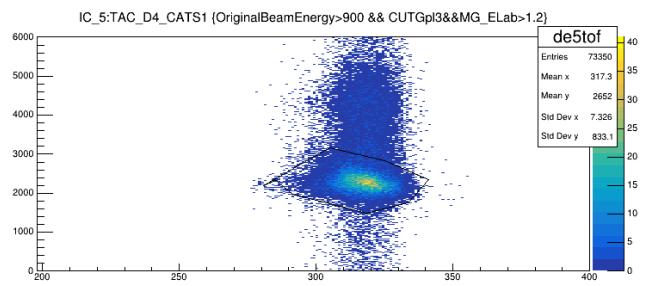
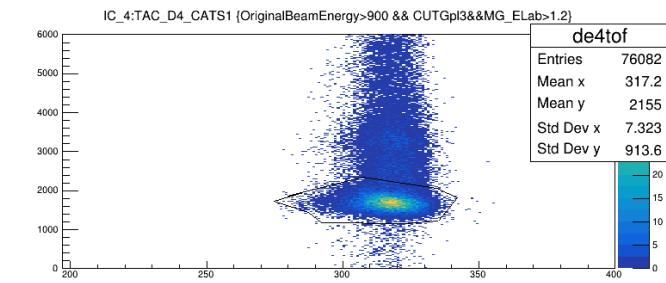
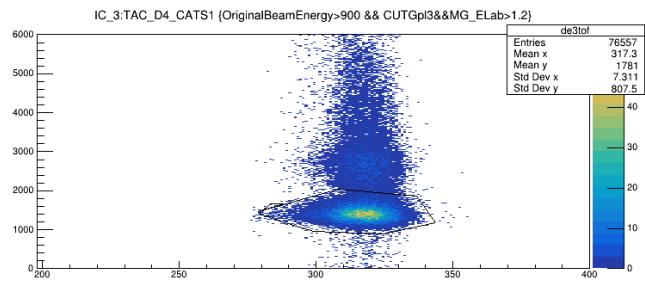
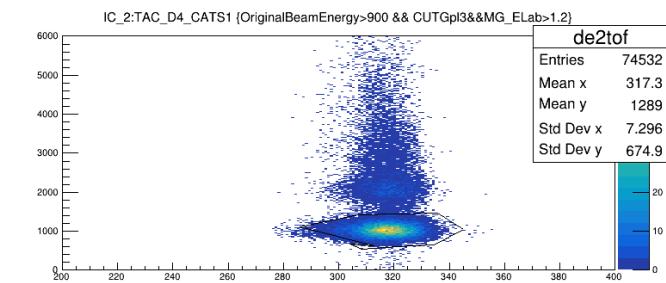
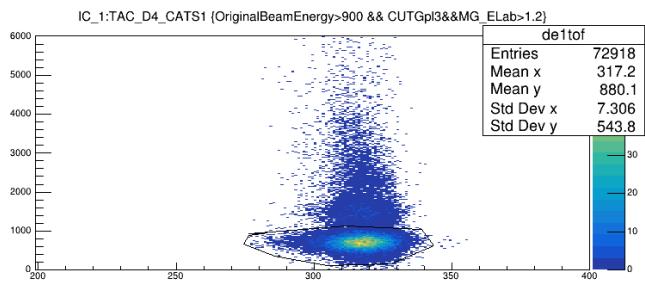


Beamenergy

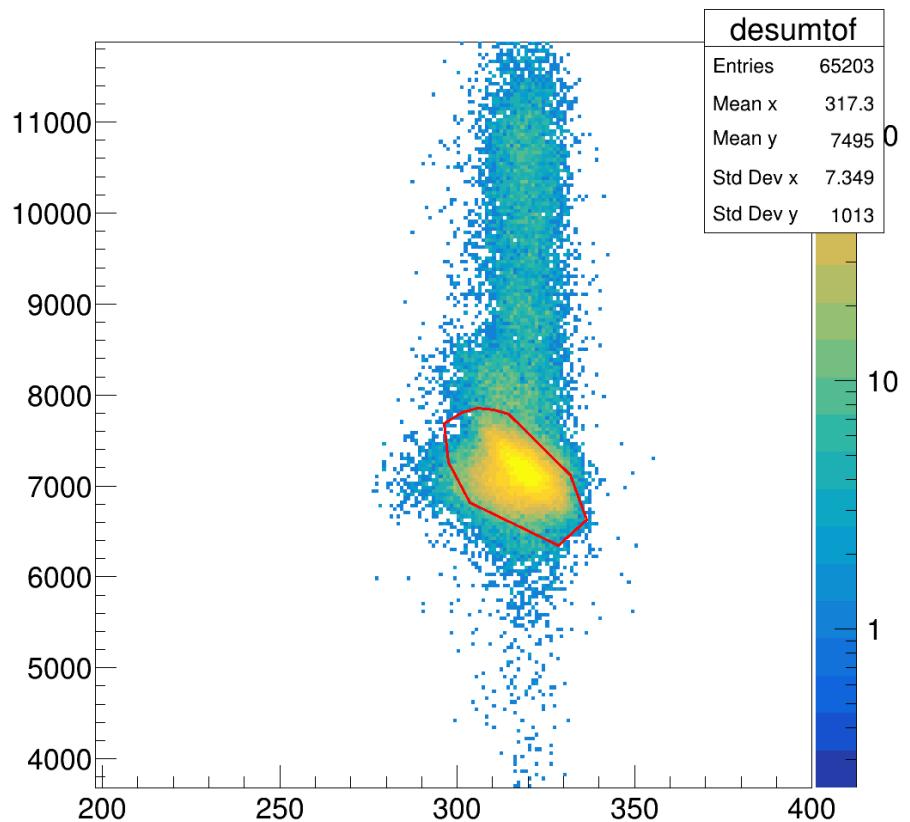


MG_Ex {OriginalBeamEnergy>900 && CUTGpl3&&MG_ELab>1.2}

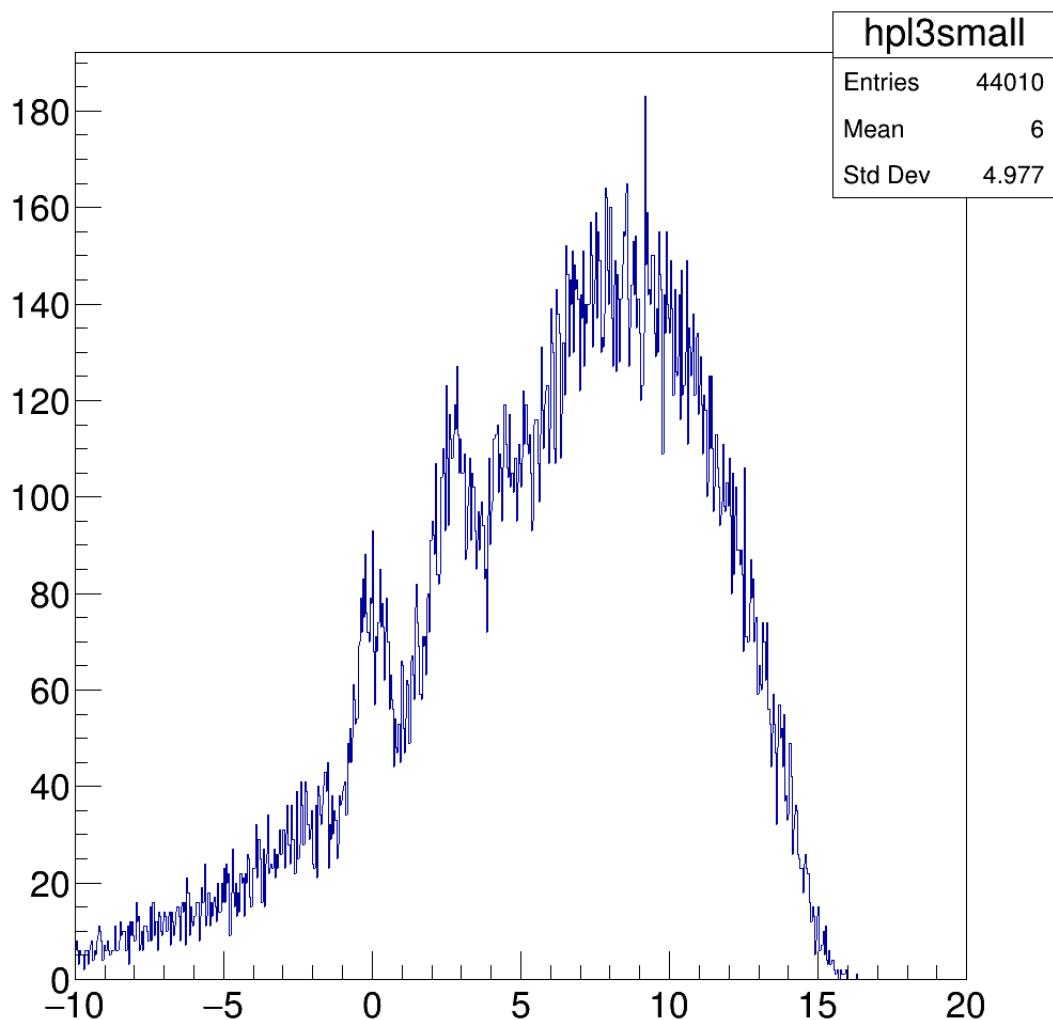




IC_Sum:TAC_D4_CATS1 {OriginalBeamEnergy>900 && CUTGpI3&&MG_ELab>1.2}



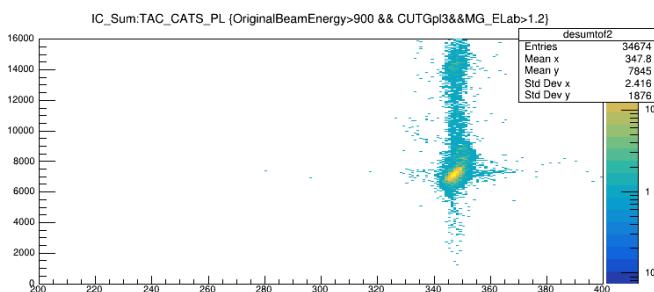
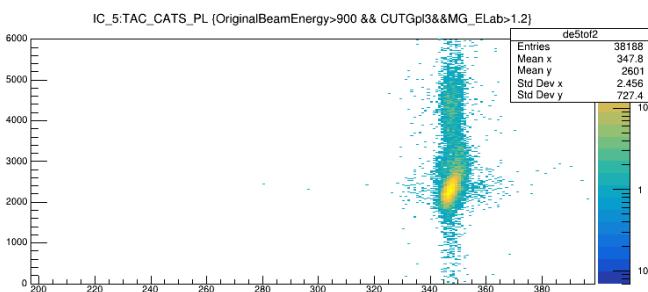
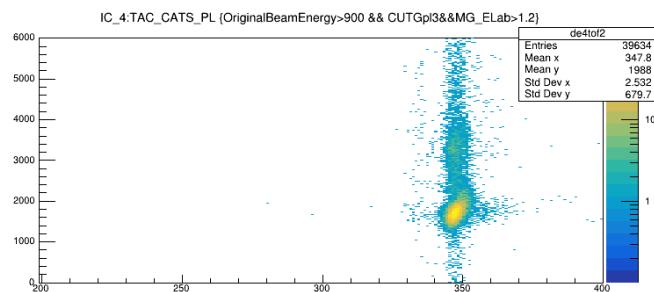
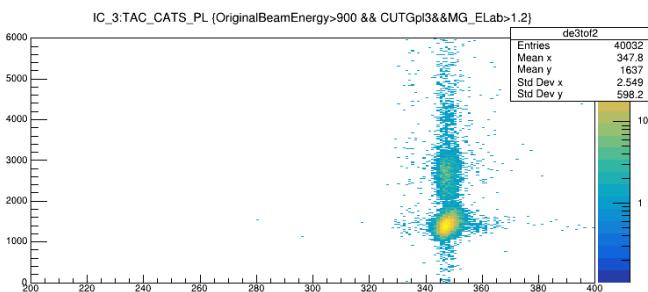
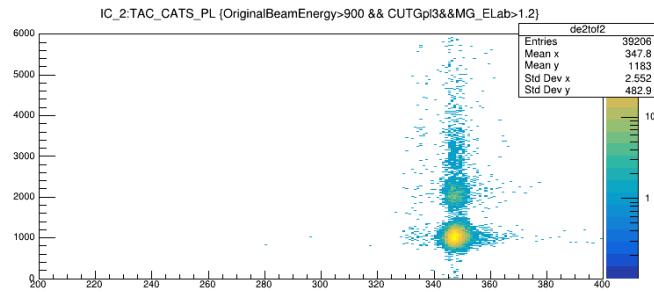
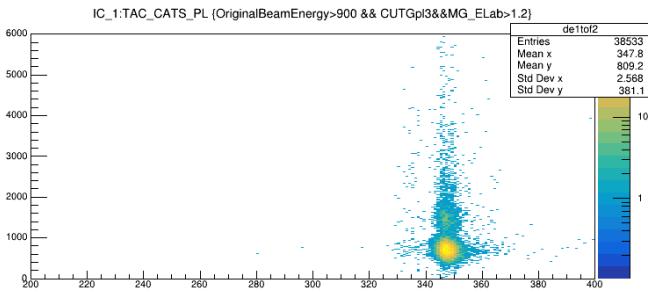
MG_Ex {MG_ELab>1.2 && CUTGpI3 && OriginalBeamEnergy>900 && CUTGsmall}



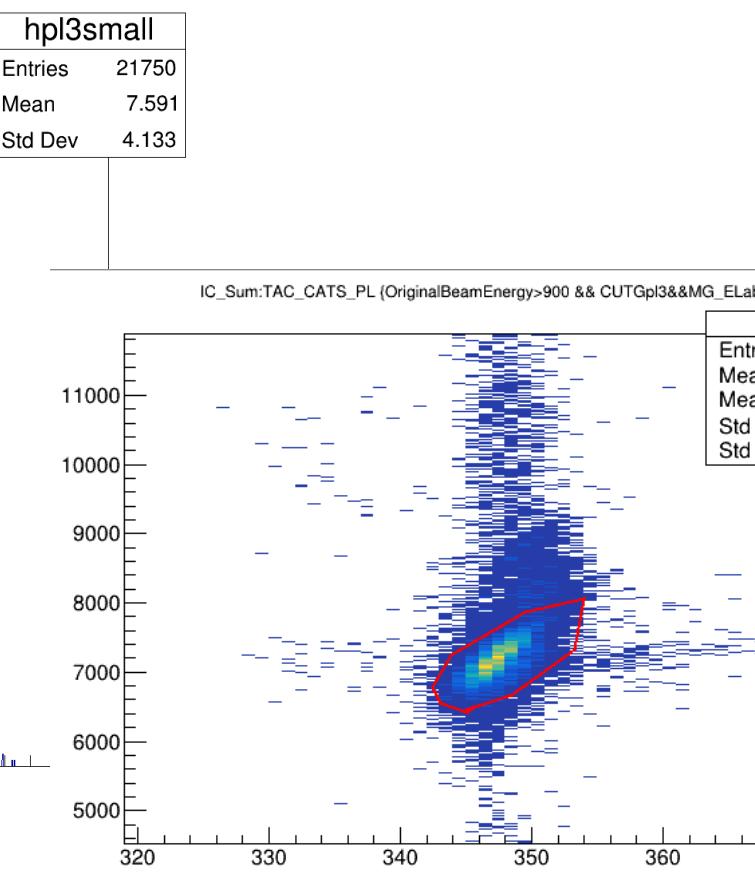
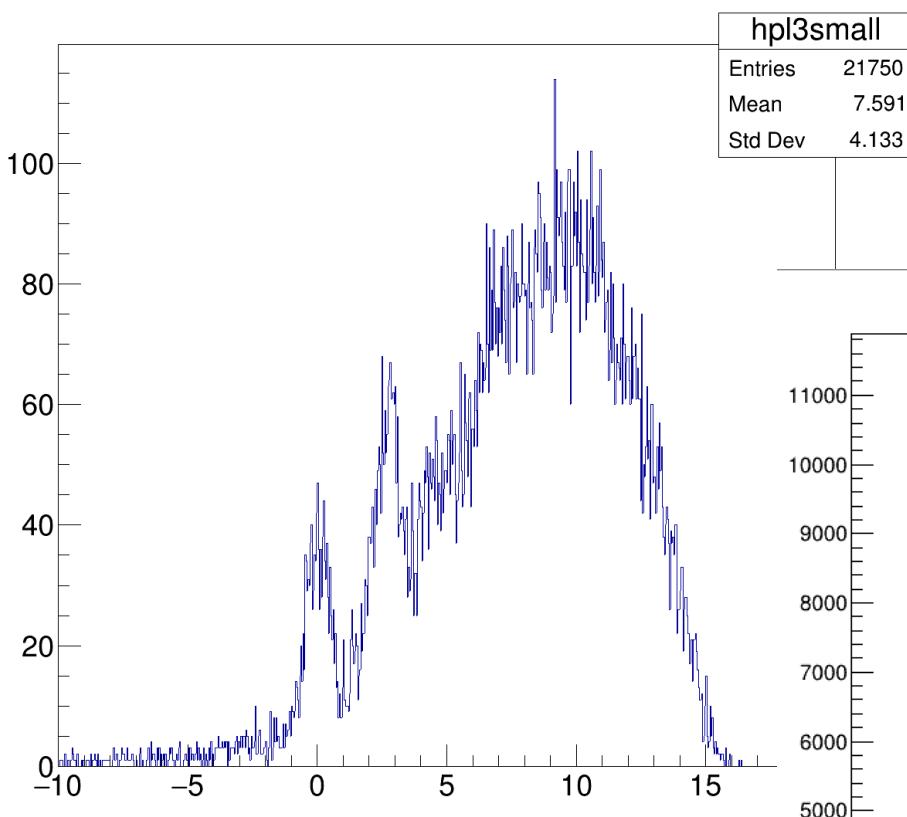
```

cc->Draw("MG_Ex>>pold(250,-5,20)"," IC_E@.size()==5 && PL_E>0 &&
DSSD_E@.size()>0&& PL_TS>0 && CUTG2 && MG_ELab>1.2 &&
CUTGdETof && CUTGdEPL && MG_ThetaLab0<110","");

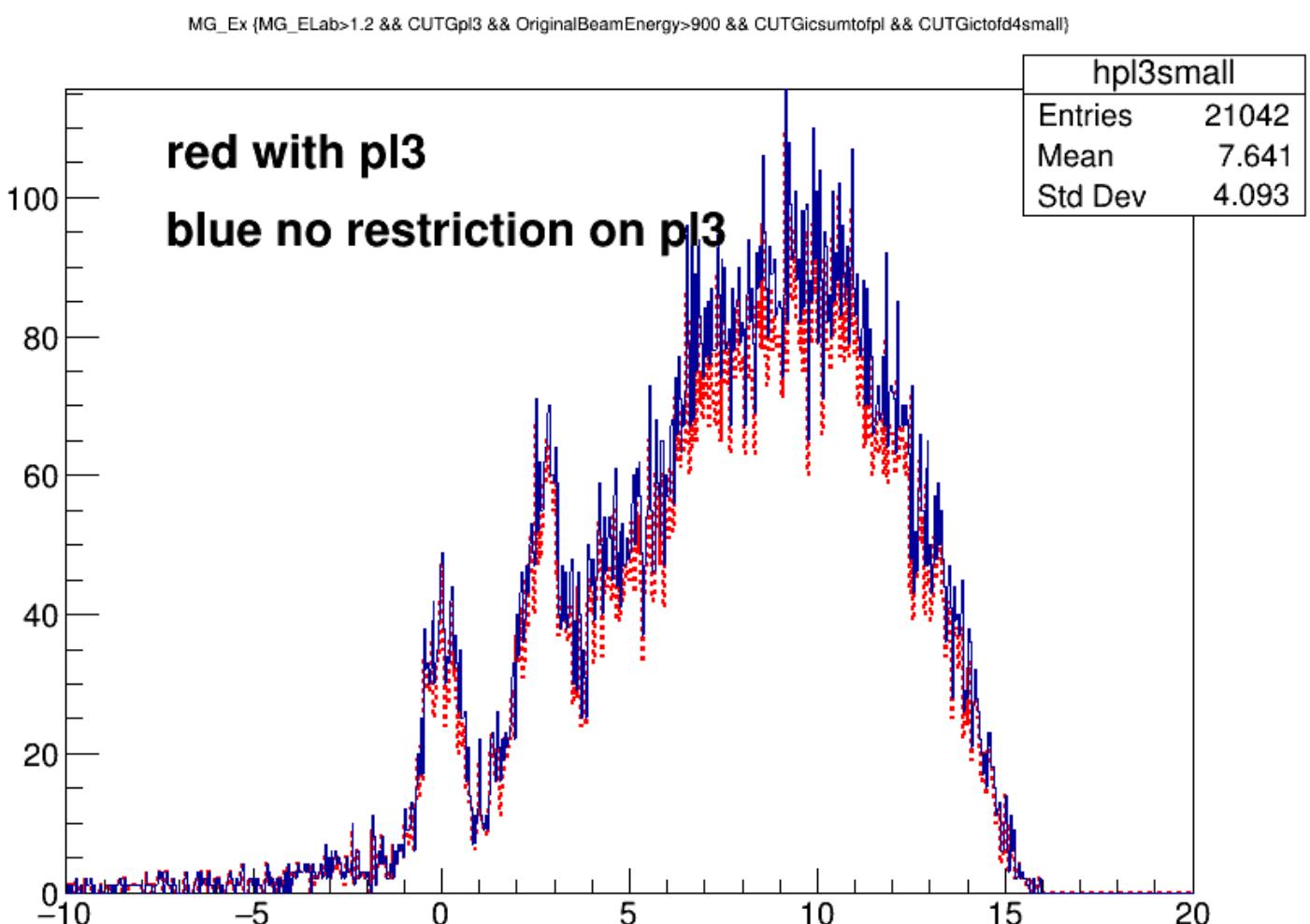
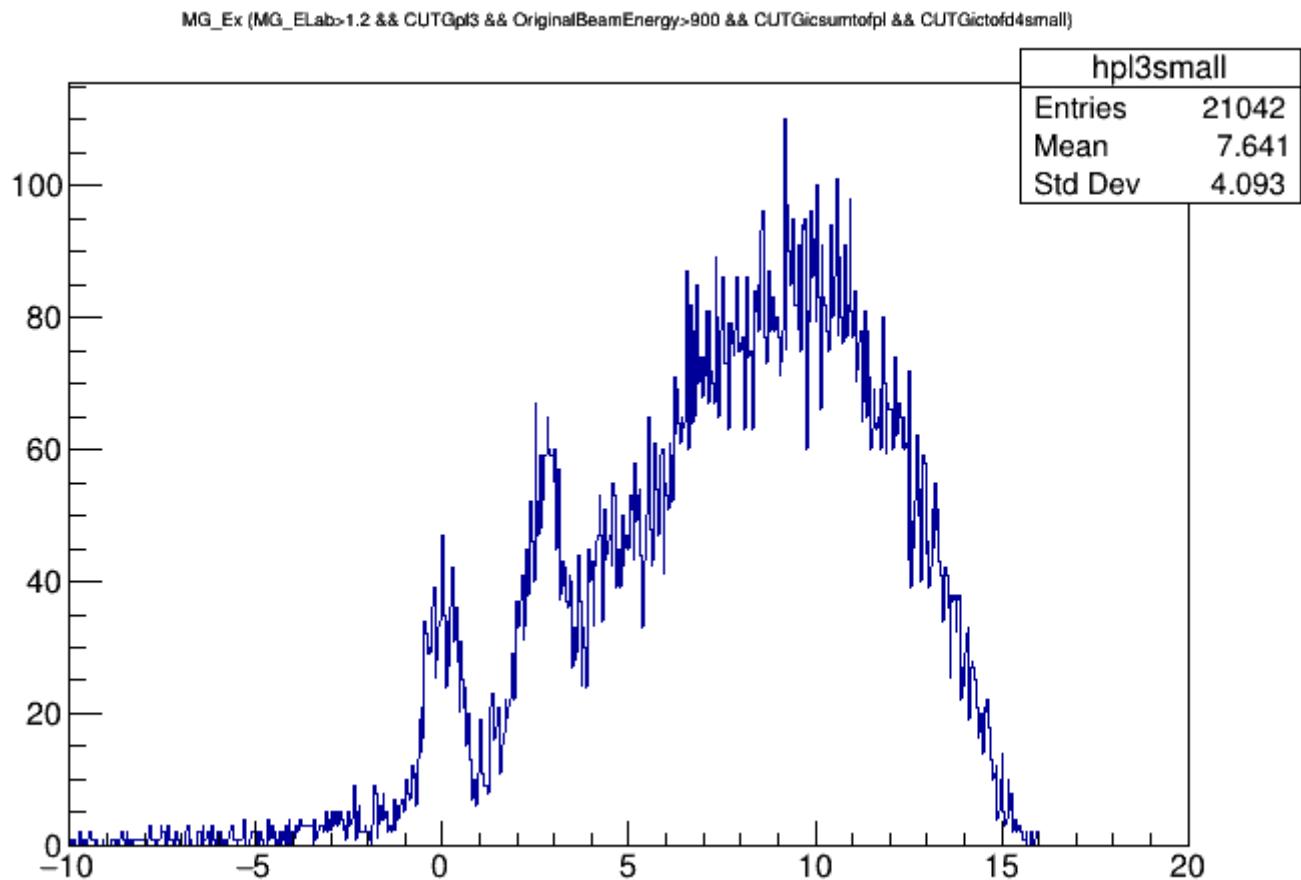
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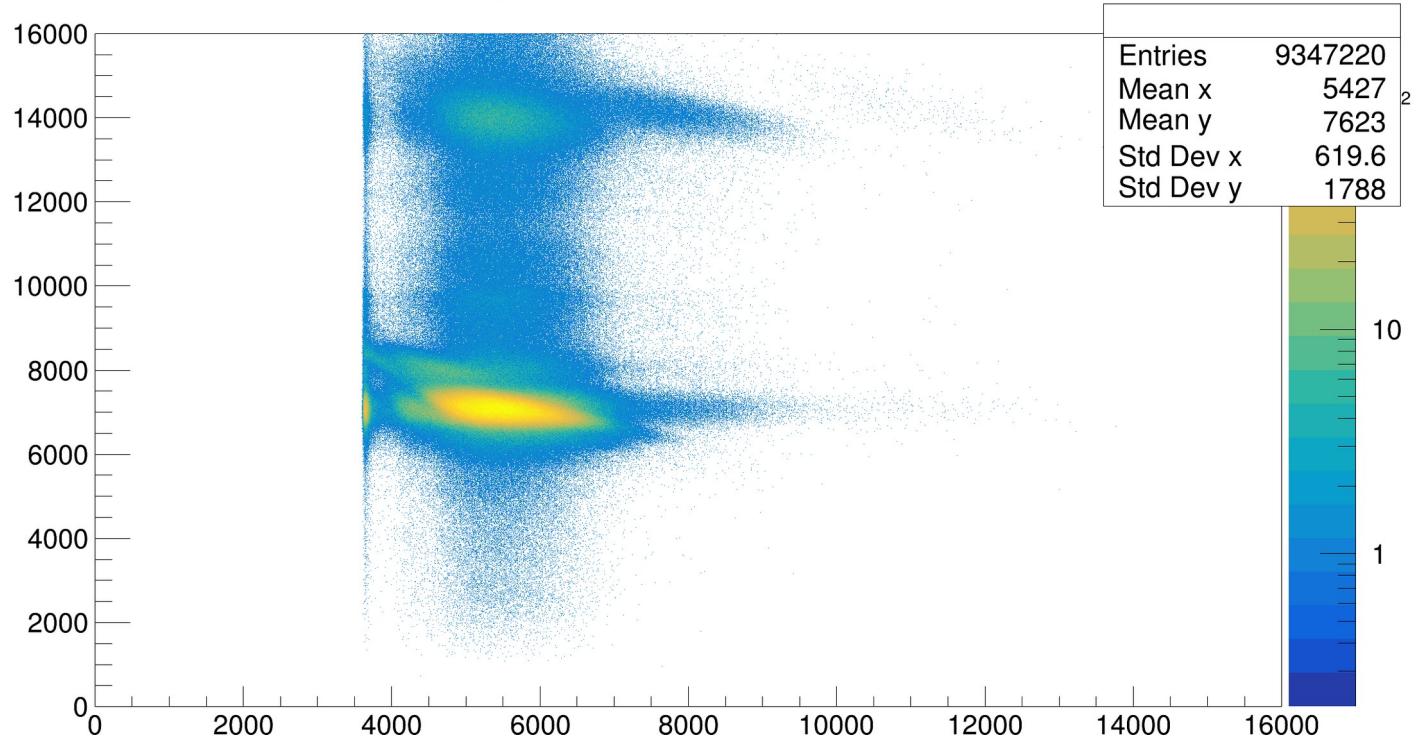
MG_Ex (MG_ELab>1.2 && CUTGpI3 && OriginalBeamEnergy>900 && CUTGicsumtofpl)



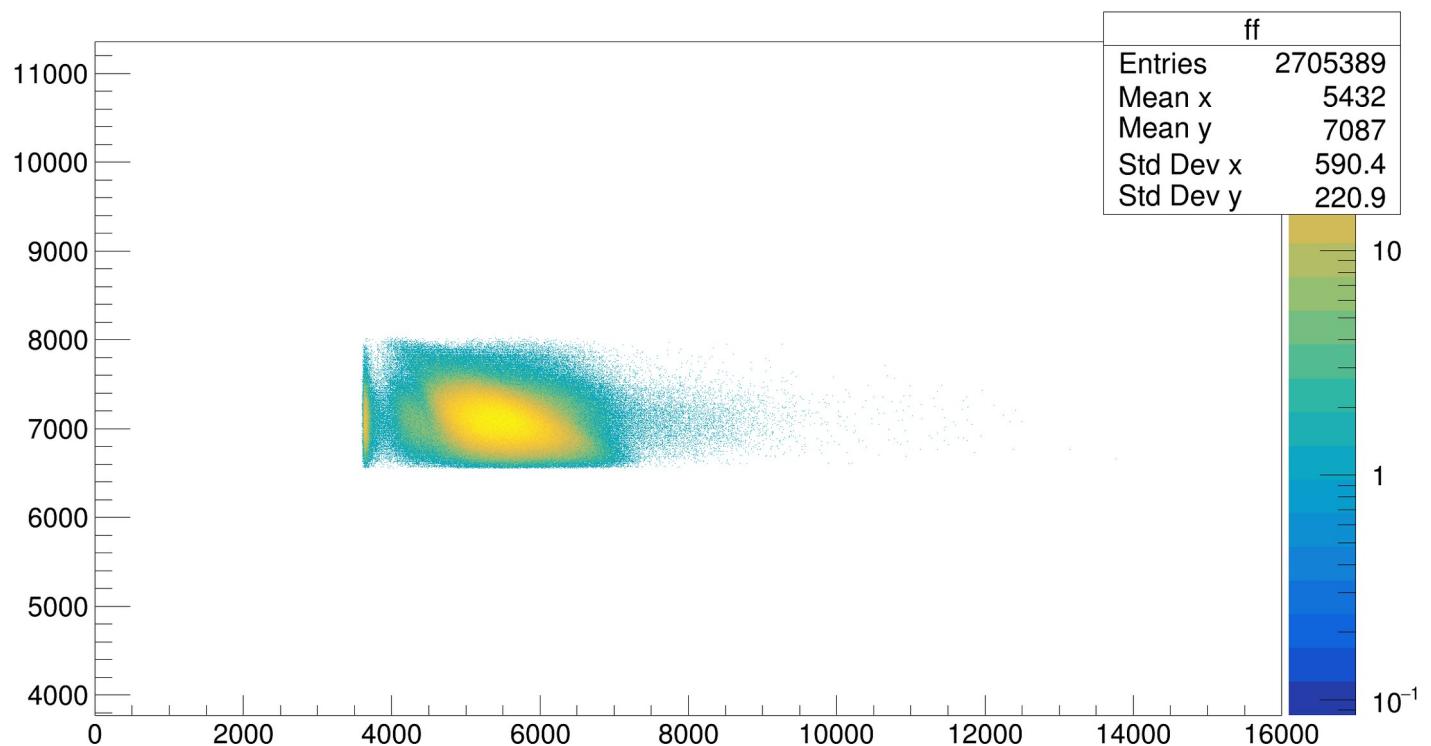
Both gates in icsum with tof d4 and tof pl



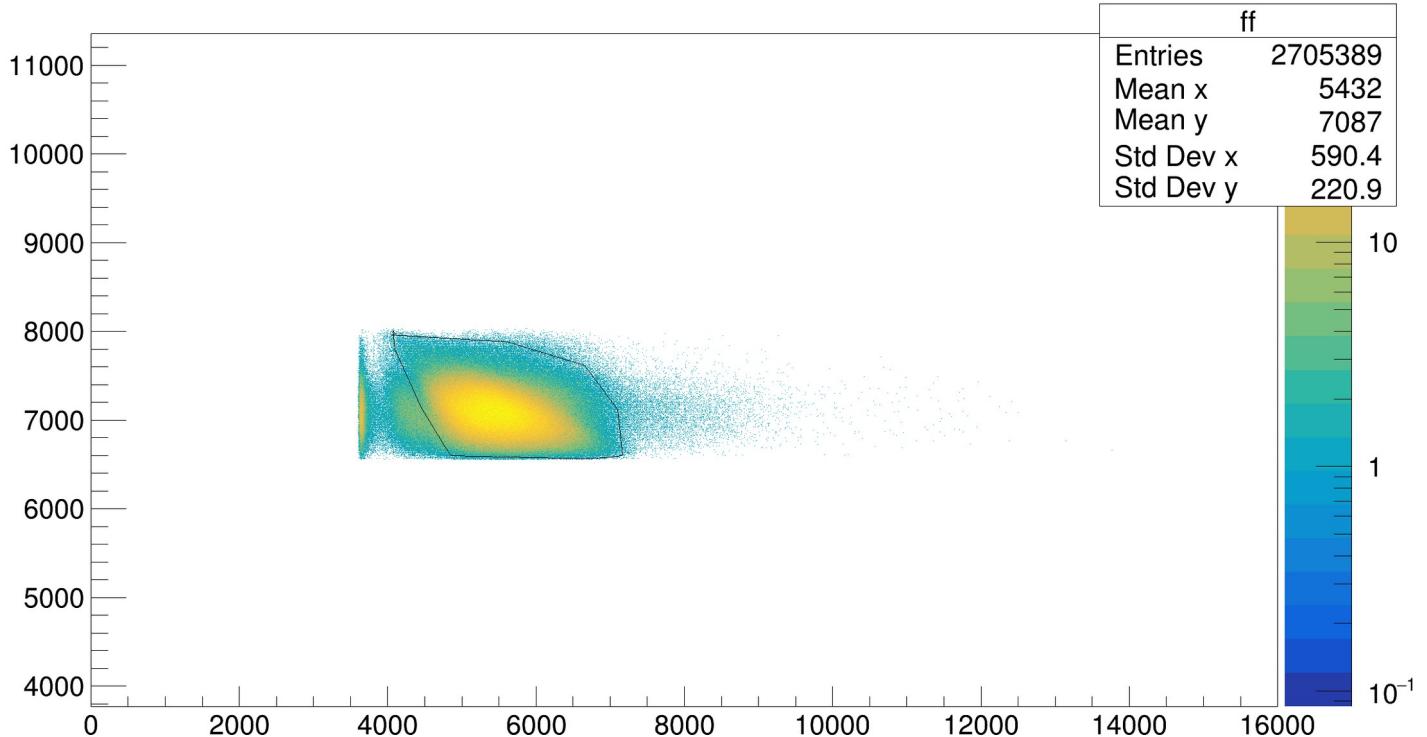
IC_Sum:sqrt(PL_E3*PL_E8)



IC_Sum:sqrt(PL_E3*PL_E8) {OriginalBeamEnergy>900 && CUTGicsumtofpl && CUTGictofd4small}



IC_Sum:sqrt(PL_E3*PL_E8) {OriginalBeamEnergy>900 && CUTGicsumtofpl && CUTGictofd4small}



MG_Ex {MG_ELab>1.2 && OriginalBeamEnergy>900 && CUTGicsumtofpl && CUTGictofd4small && CUTGicpl}

