

Mode 10 Update

Mark made some suggestions for changes to the plots I made.

He also noted that pulse Amp Threshold was set to 5 mV in hcana, but is 10 mV in hardware. I tried to change the threshold by adding:

```
phgcer_SampThreshold = 10
```

To the file: PARAM/SHMS/HGCER/phgcer_calib.param

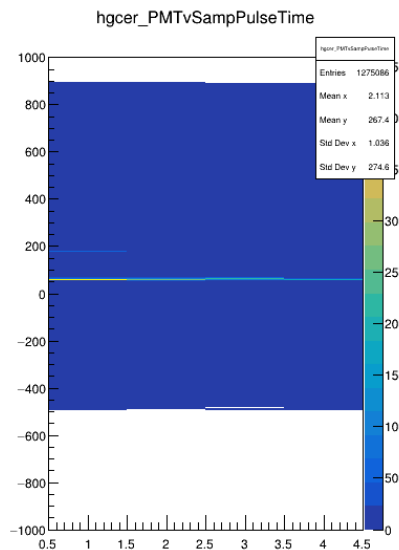
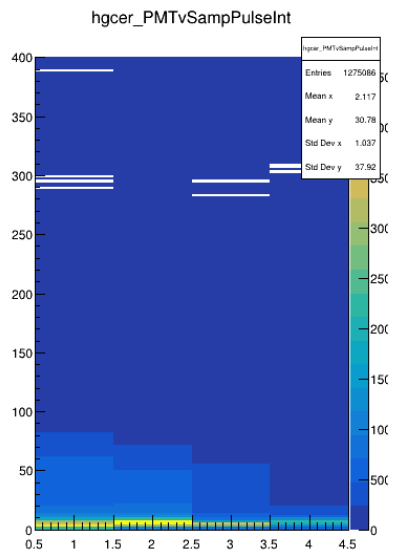
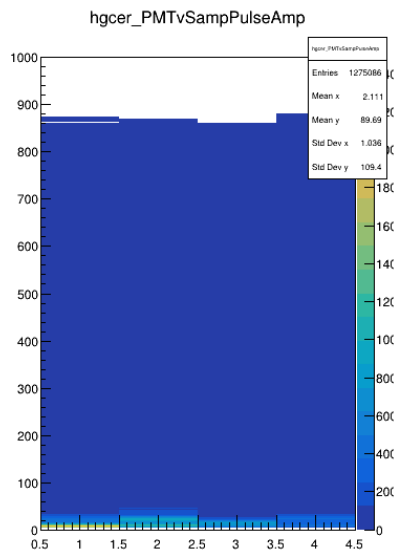
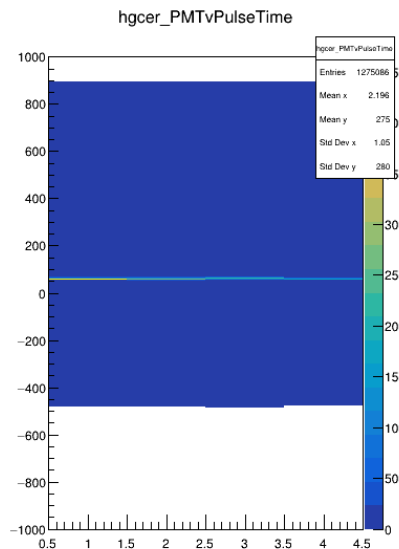
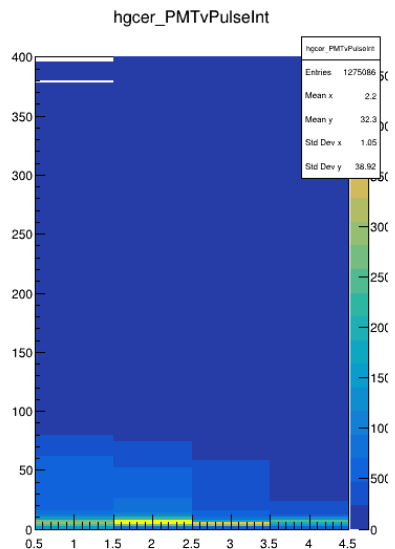
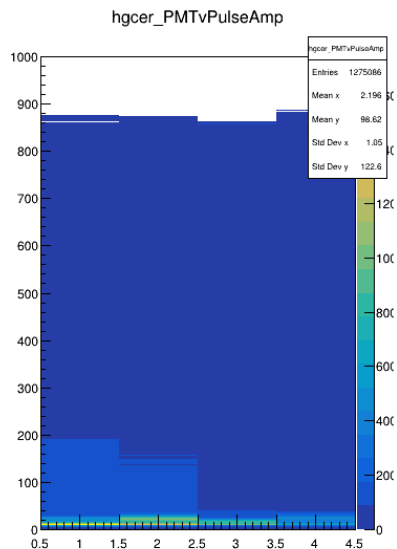
But this had no effect. I either need to update hcana, or that is the wrong file to put the variable in.

I made plots for 2 runs:

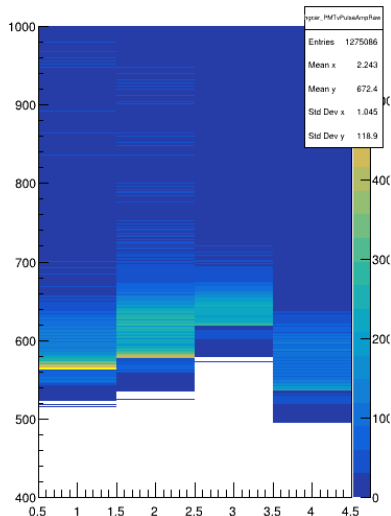
11799 - Defocused run

12192 - is a lumi run

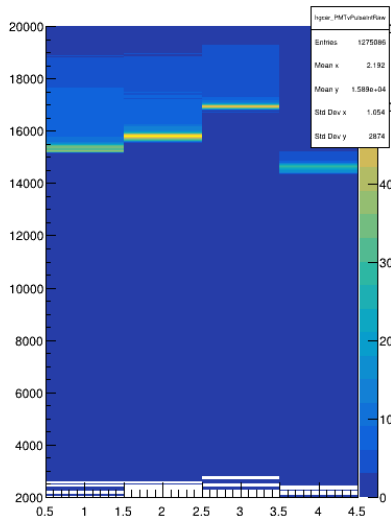
Plots - 11799



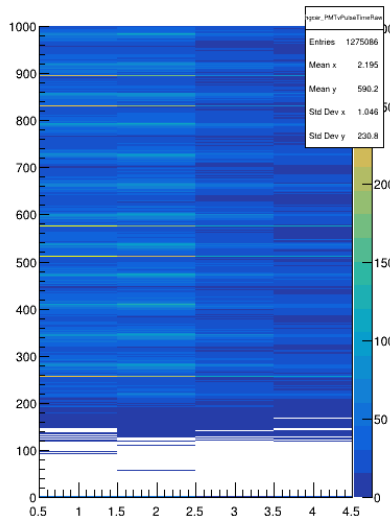
hgcer_PMTvPulseAmpRaw



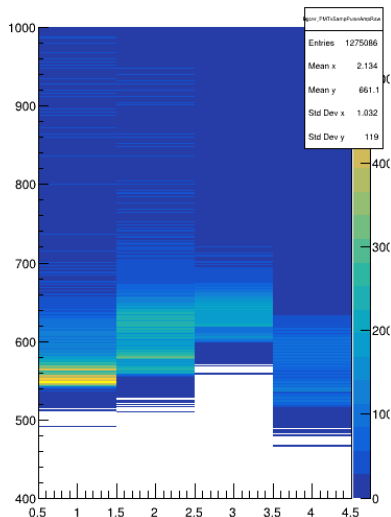
hgcer_PMTvPulseIntRaw



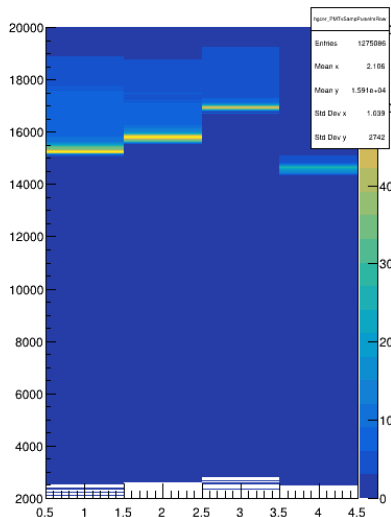
hgcer_PMTvPulseTimeRaw



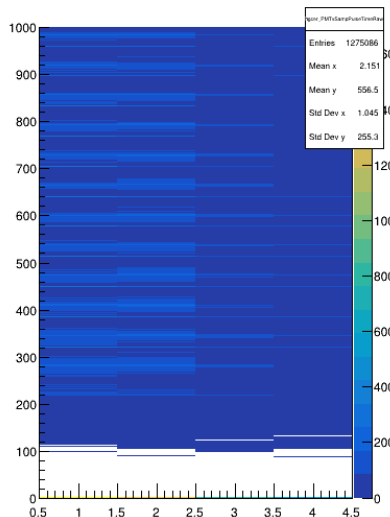
hgcer_PMTvSampPulseAmpRaw



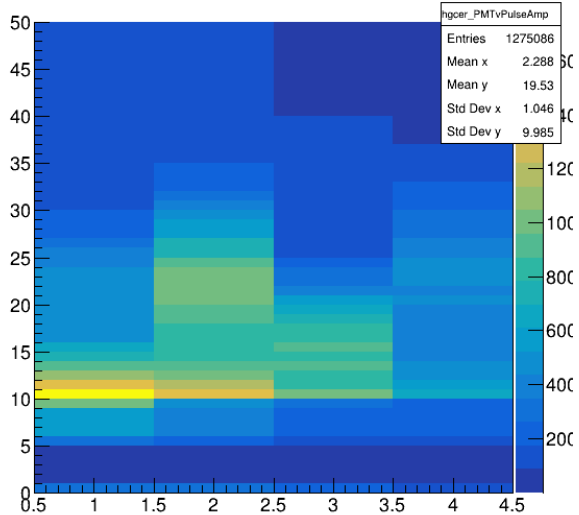
hgcer_PMTvSampPulseIntRaw



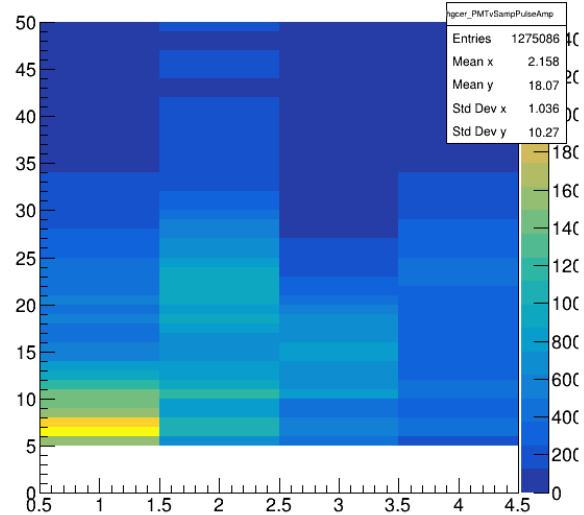
hgcer_PMTvSampPulseTimeRaw



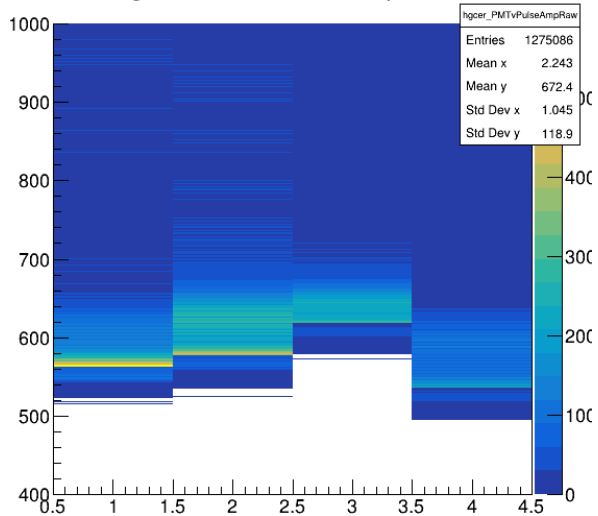
hgcer_PMTvPulseAmp



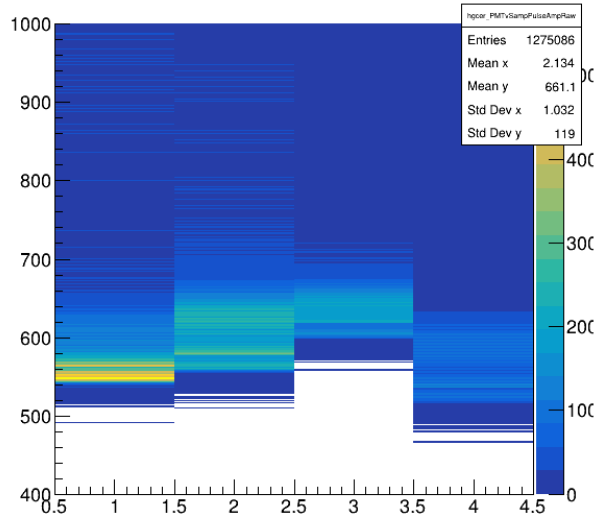
hgcer_PMTvSampPulseAmp



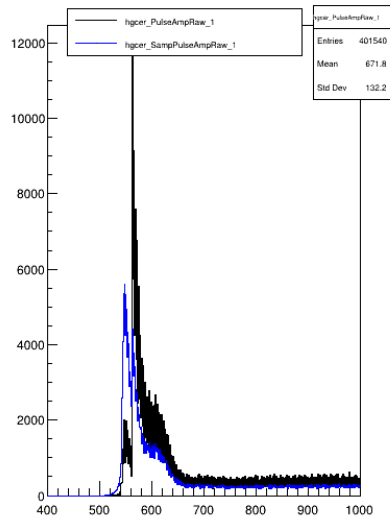
hgcer_PMTvPulseAmpRaw



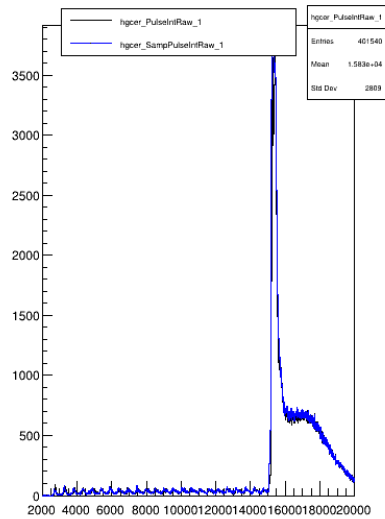
hgcer_PMTvSampPulseAmpRaw



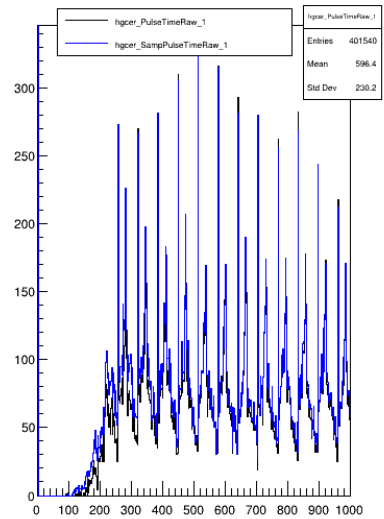
hgcer_PulseAmpRaw_1



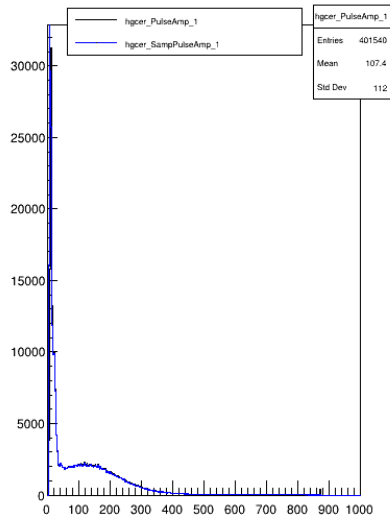
hgcer_PulseIntRaw_1



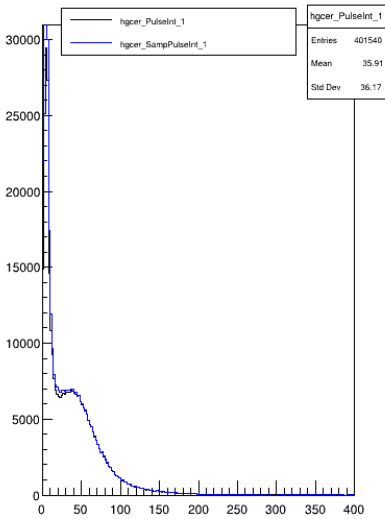
hgcer_PulseTimeRaw_1



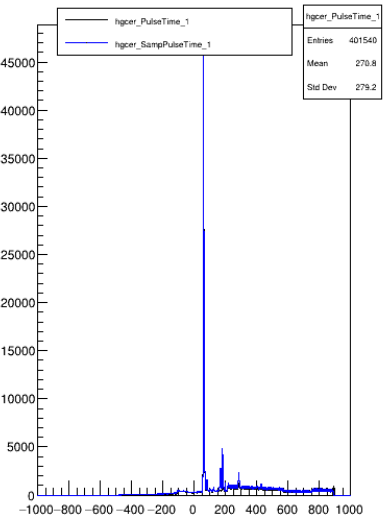
hgcer_PulseAmp_1



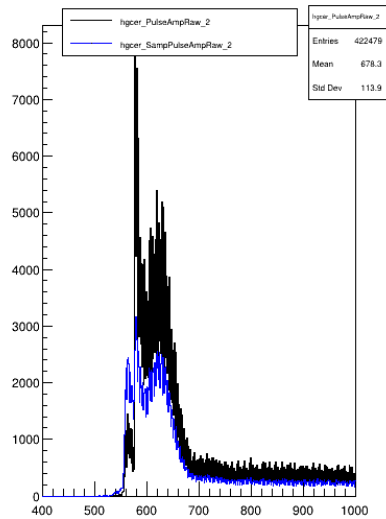
hgcer_PulseInt_1



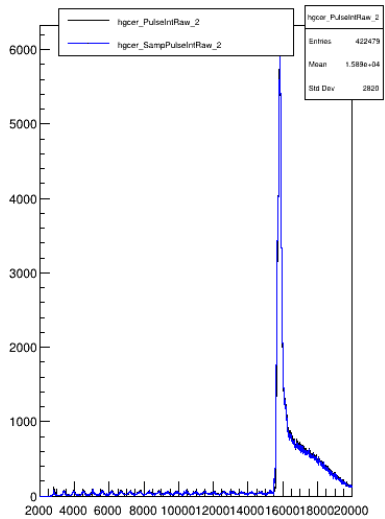
hgcer_PulseTime_1



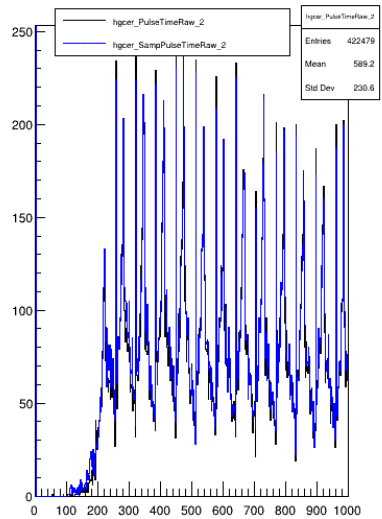
hgcer_PulseAmpRaw_2



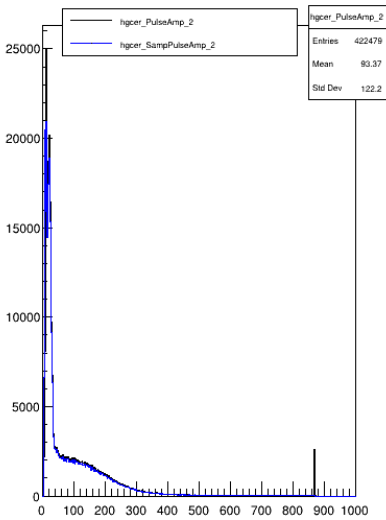
hgcer_PulseIntRaw_2



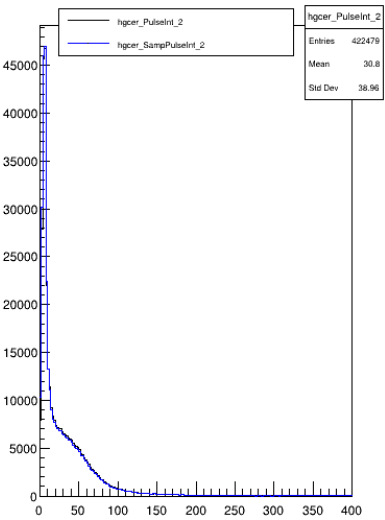
hgcer_PulseTimeRaw_2



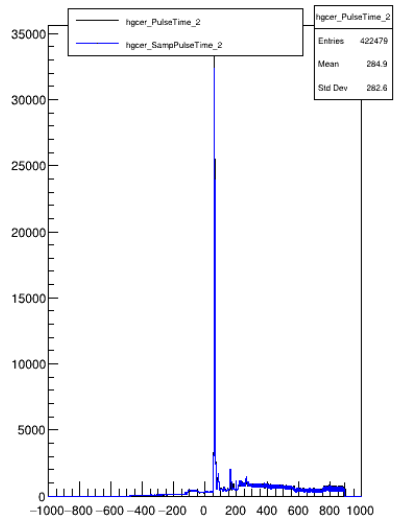
hgcer_PulseAmp_2



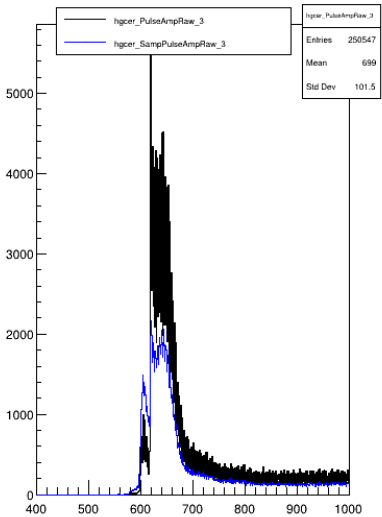
hgcer_PulseInt_2



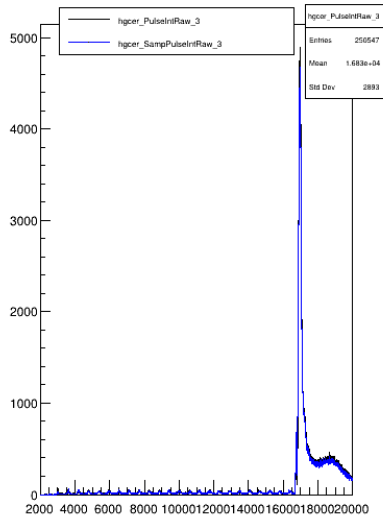
hgcer_PulseTime_2



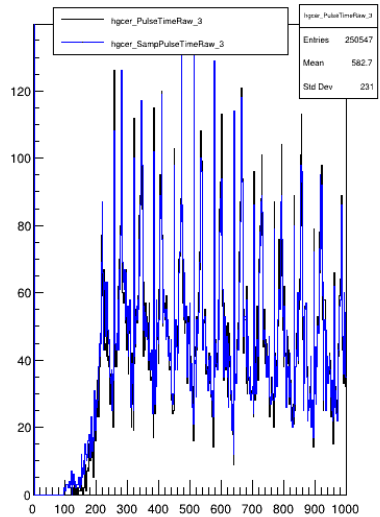
hgcer_PulseAmpRaw_3



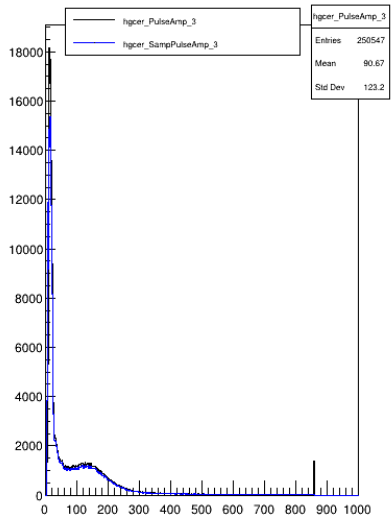
hgcer_PulseIntRaw_3



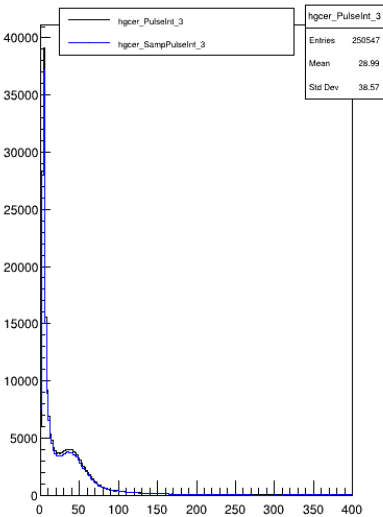
hgcer_PulseTimeRaw_3



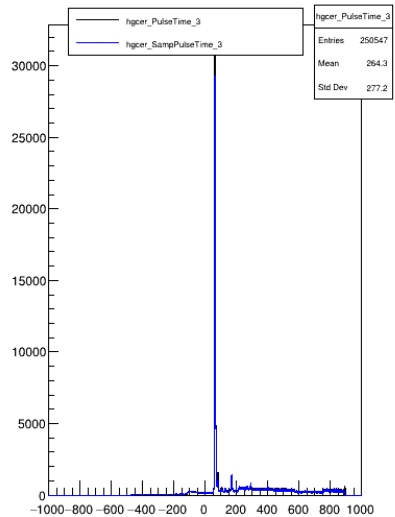
hgcer_PulseAmp_3



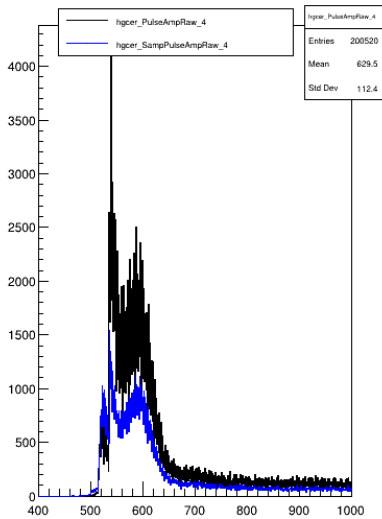
hgcer_PulseInt_3



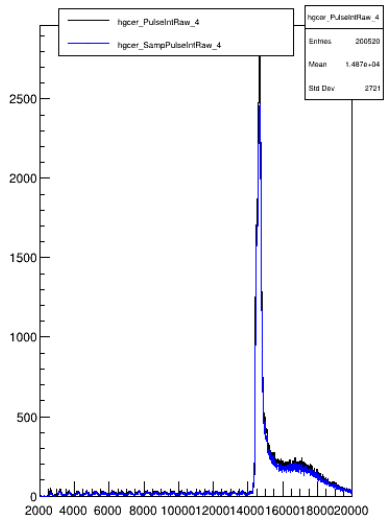
hgcer_PulseTime_3



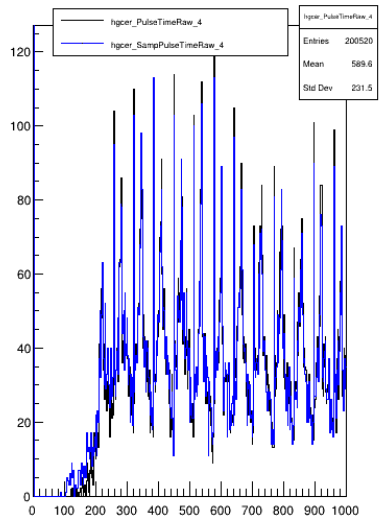
hgcer_PulseAmpRaw_4



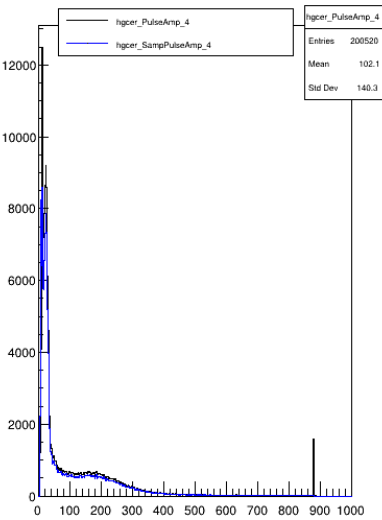
hgcer_PulseIntRaw_4



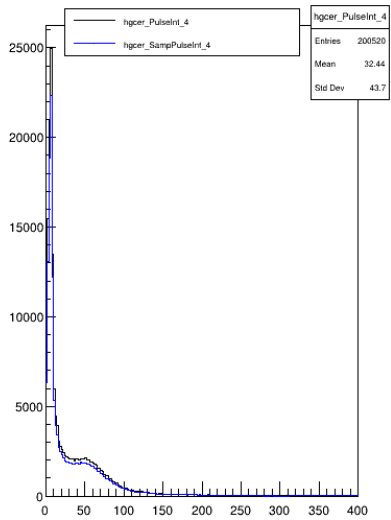
hgcer_PulseTimeRaw_4



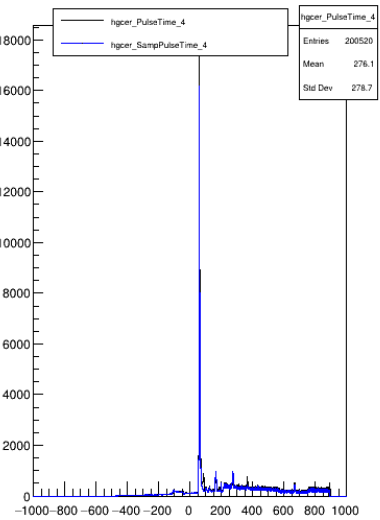
hgcer_PulseAmp_4



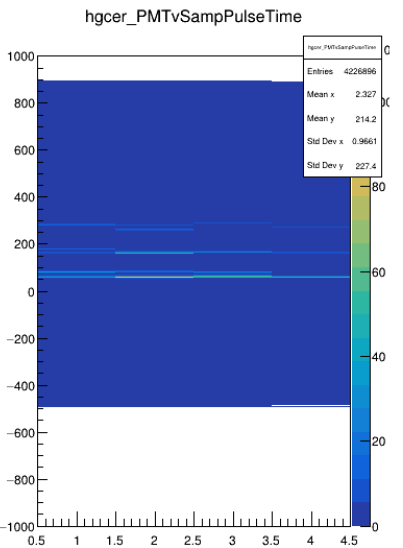
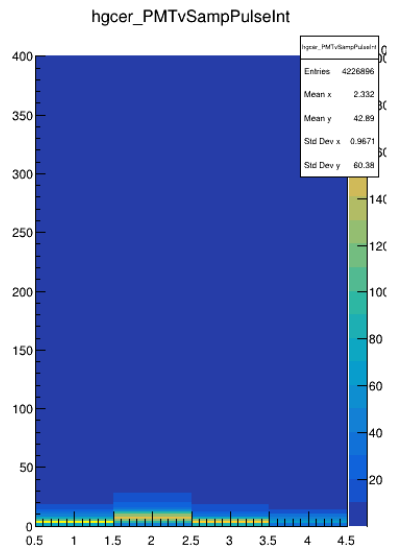
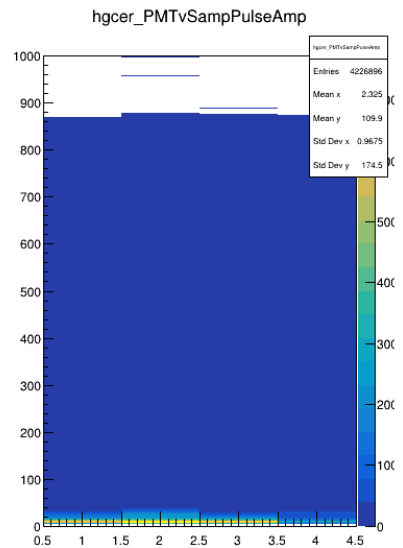
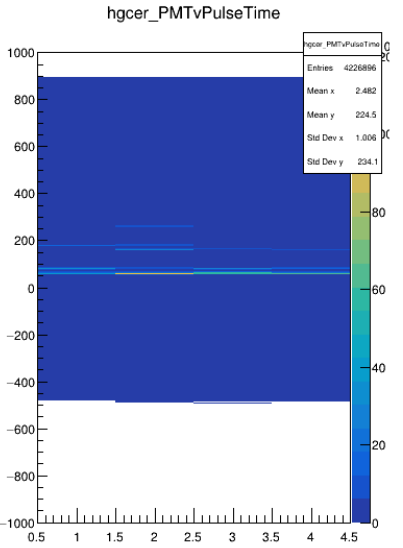
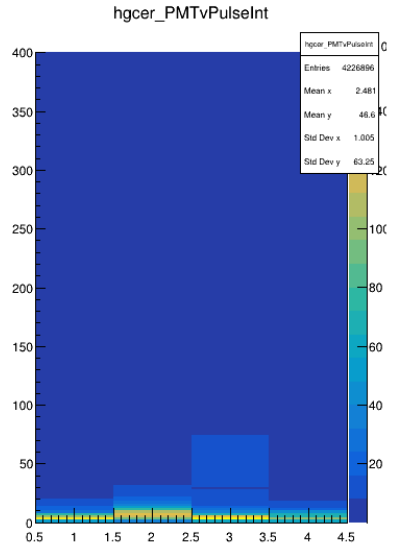
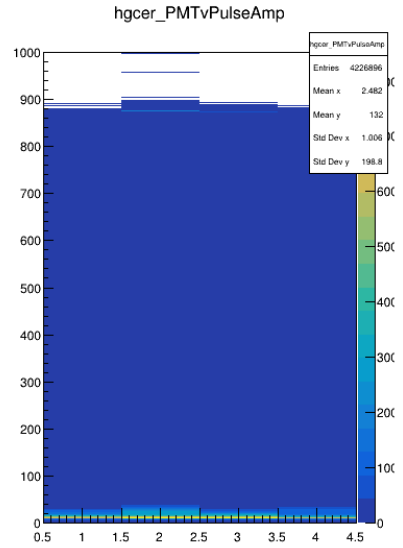
hgcer_PulseInt_4



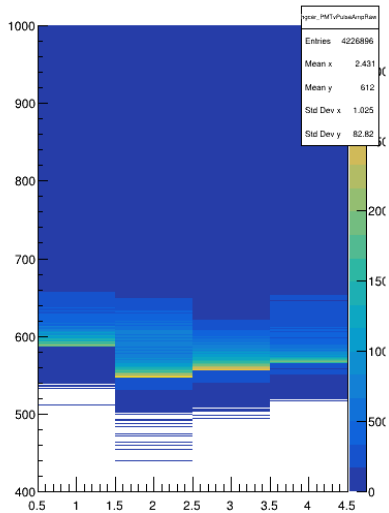
hgcer_PulseTime_4



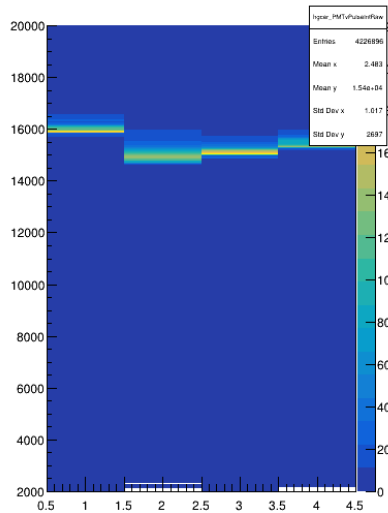
Plots - 12192



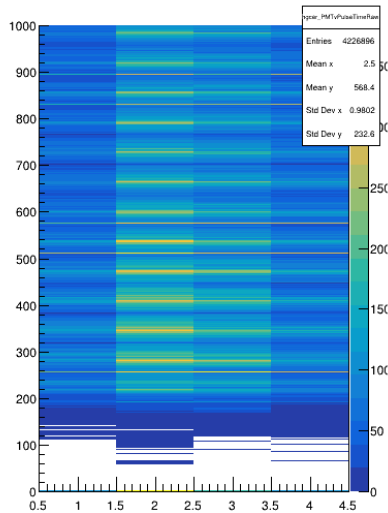
hgcer_PMTvPulseAmpRaw



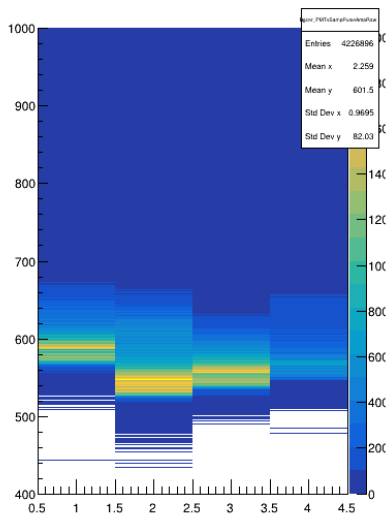
hgcer_PMTvPulseIntRaw



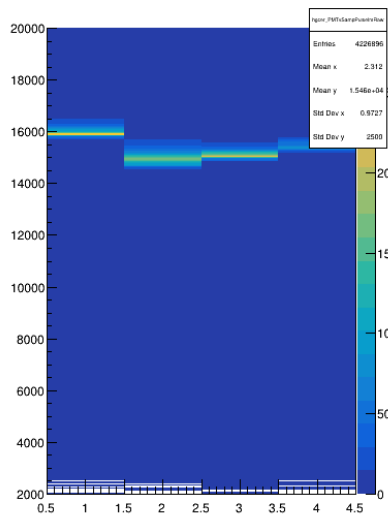
hgcer_PMTvPulseTimeRaw



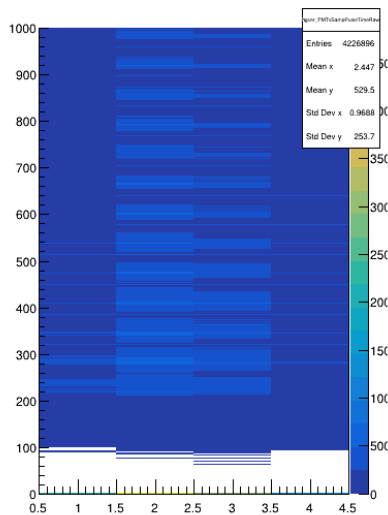
hgcer_PMTvSampPulseAmpRaw



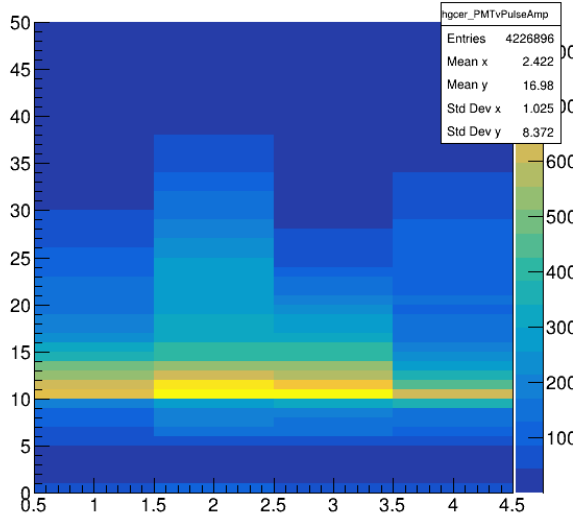
hgcer_PMTvSampPulseIntRaw



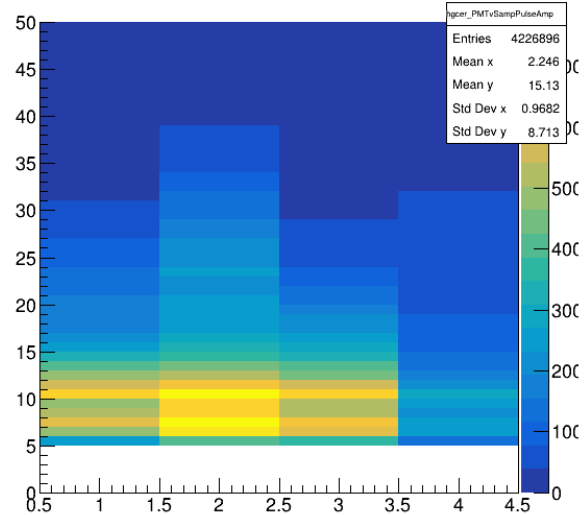
hgcer_PMTvSampPulseTimeRaw



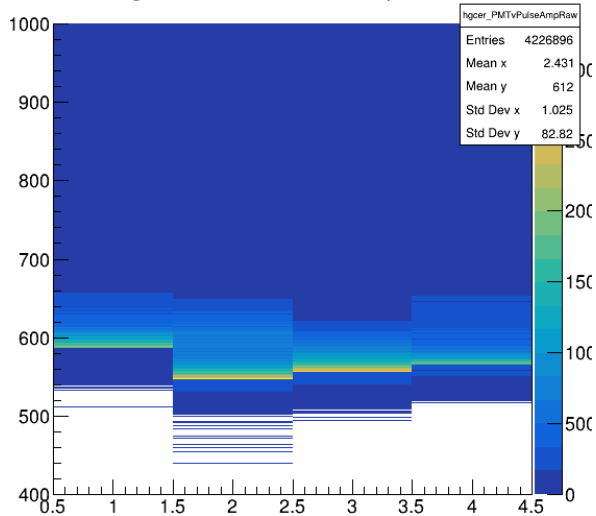
hgcer_PMTvPulseAmp



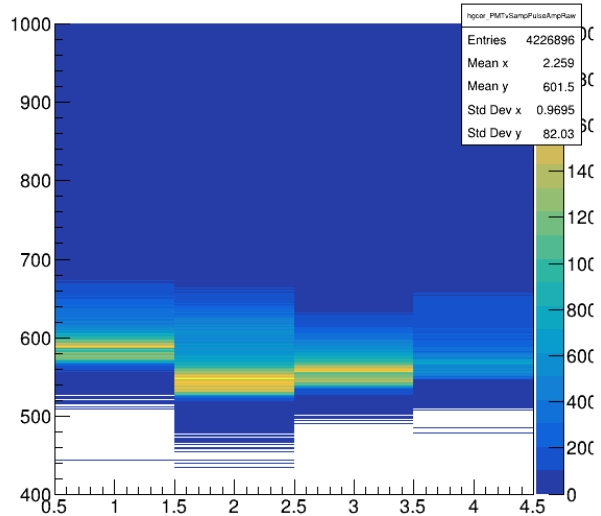
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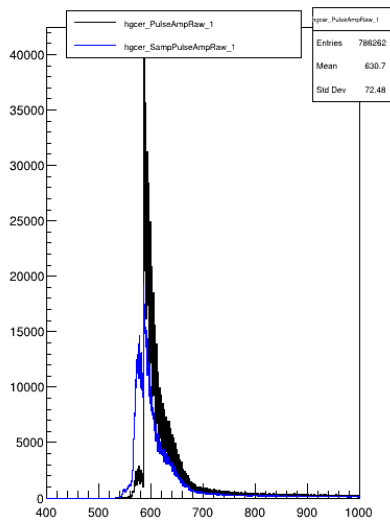
hgcer_PMTvPulseAmpRaw



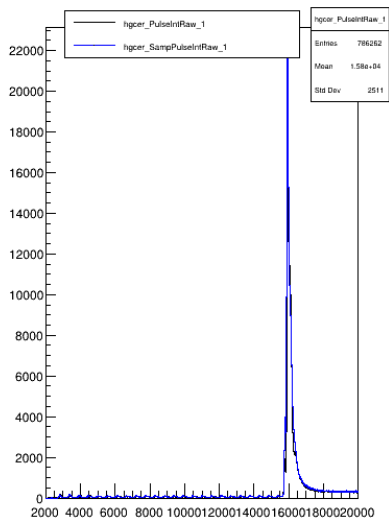
hgcer_PMTvSampPulseAmpRaw



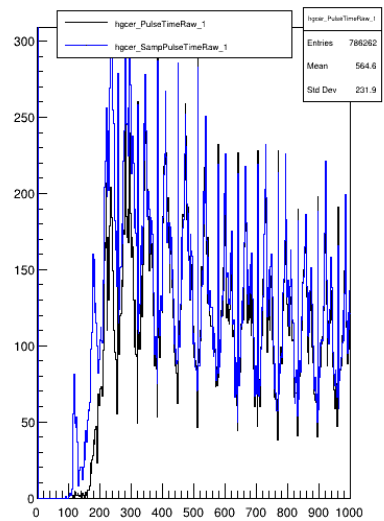
hgcer_PulseAmpRaw_1



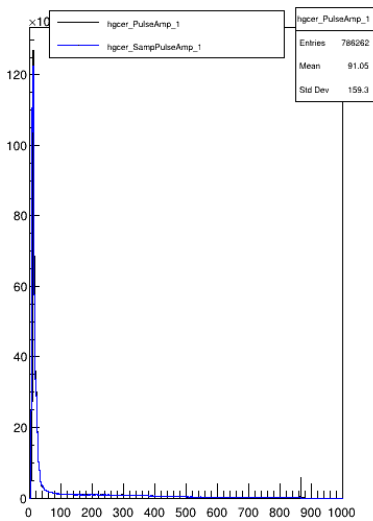
hgcer_PulseIntRaw_1



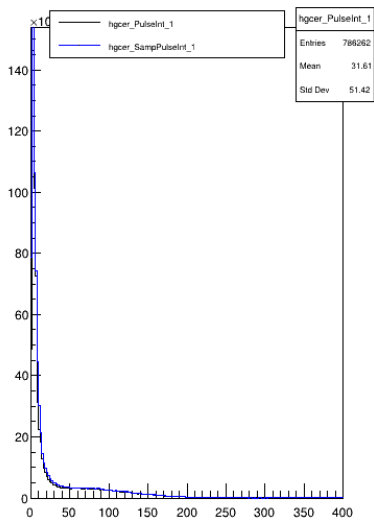
hgcer_PulseTimeRaw_1



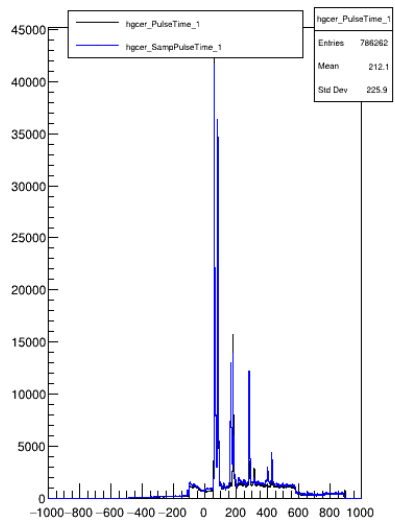
hgcer_PulseAmp_1



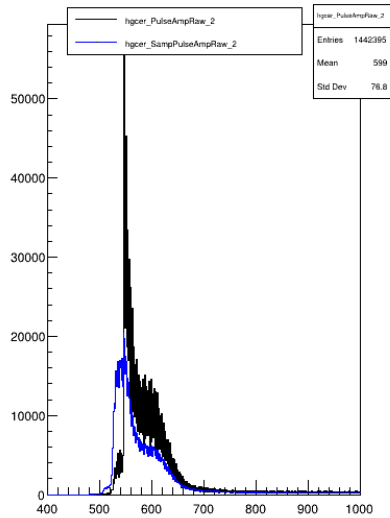
hgcer_PulseInt_1



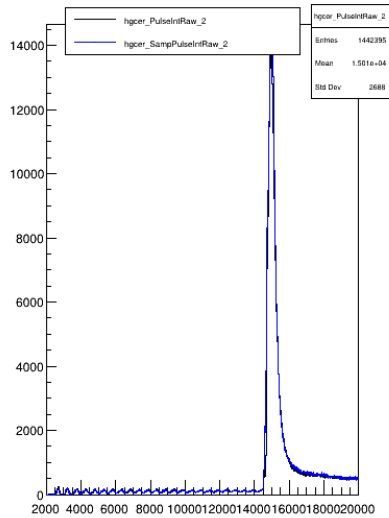
hgcer_PulseTime_1



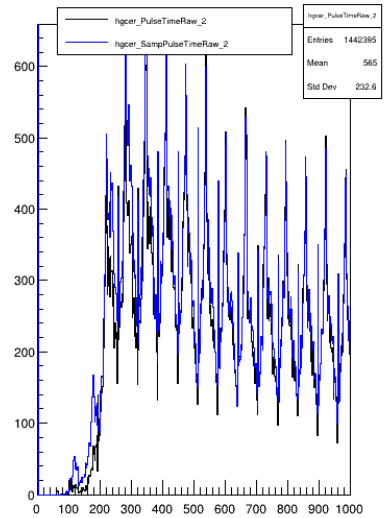
hgcer_PulseAmpRaw_2



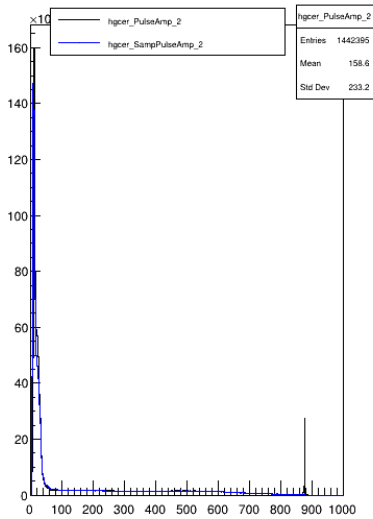
hgcer_PulseIntRaw_2



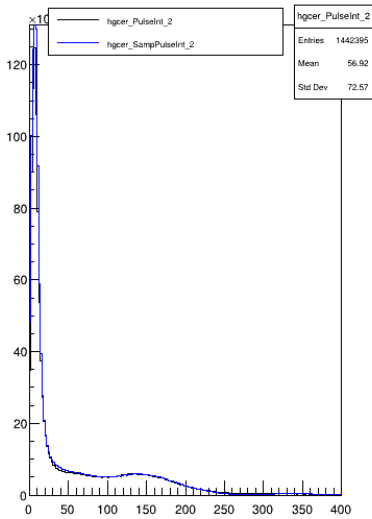
hgcer_PulseTimeRaw_2



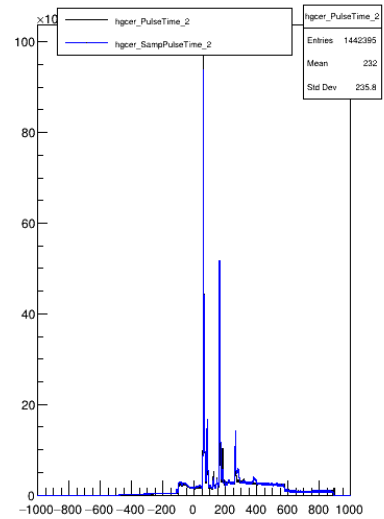
hgcer_PulseAmp_2



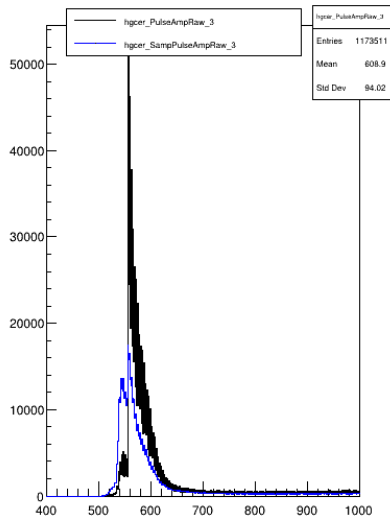
hgcer_PulseInt_2



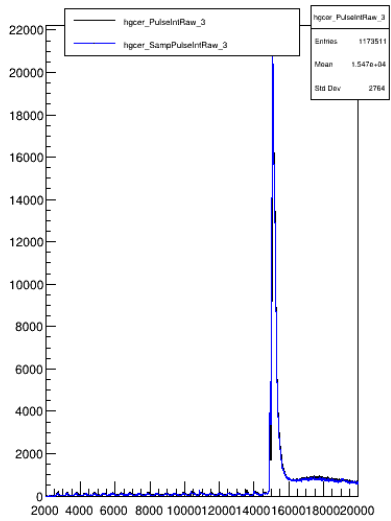
hgcer_PulseTime_2



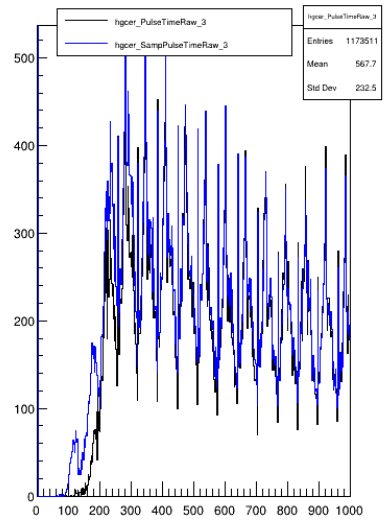
hgcer_PulseAmpRaw_3



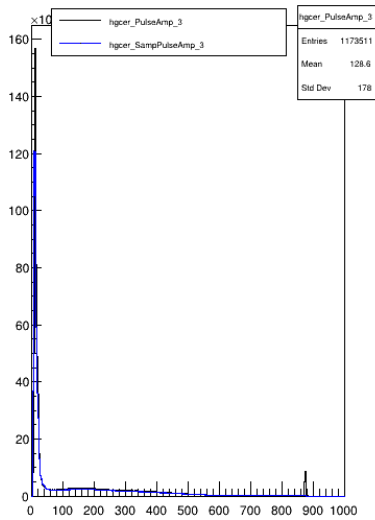
hgcer_PulseIntRaw_3



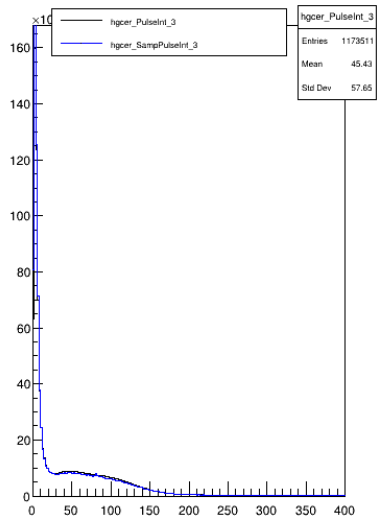
hgcer_PulseTimeRaw_3



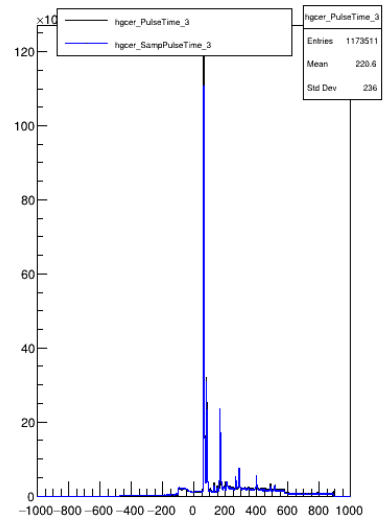
hgcer_PulseAmp_3



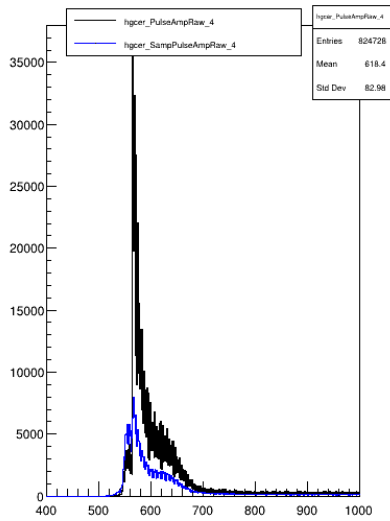
hgcer_PulseInt_3



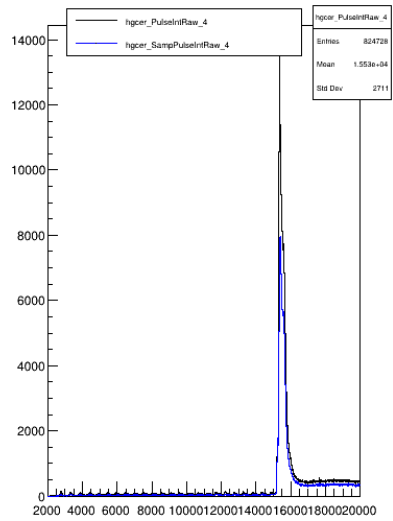
hgcer_PulseTime_3



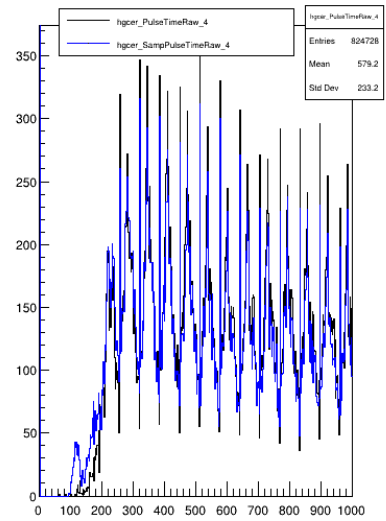
hgcer_PulseAmpRaw_4



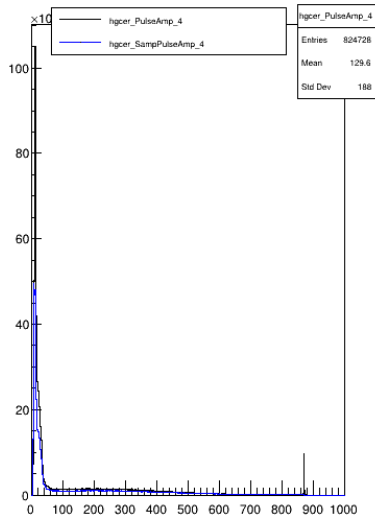
hgcer_PulseIntRaw_4



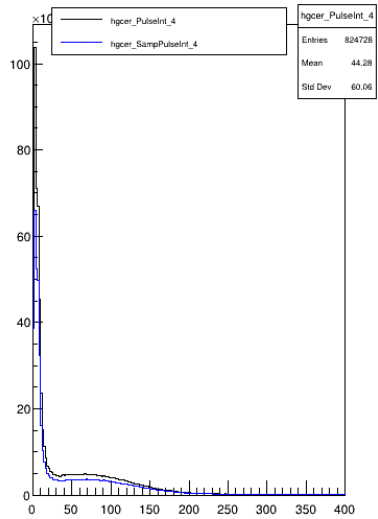
hgcer_PulseTimeRaw_4



hgcer_PulseAmp_4



hgcer_PulseInt_4



hgcer_PulseTime_4

