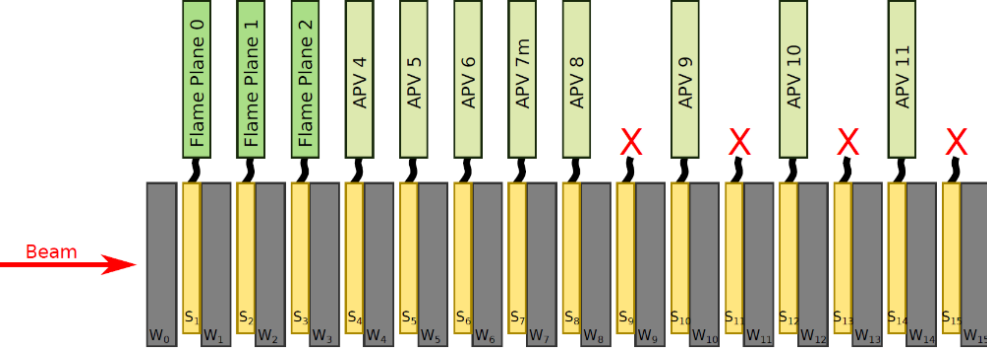


# TB2020 – cuts optimization

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*\*Institute of Space Science*



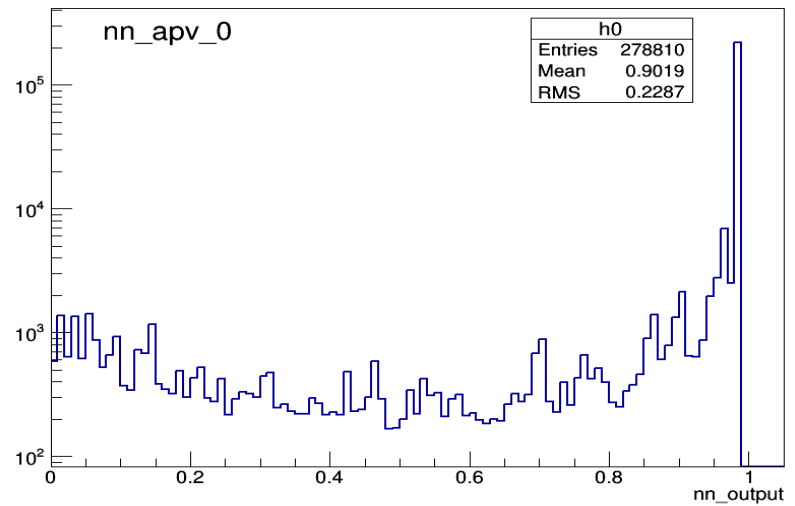
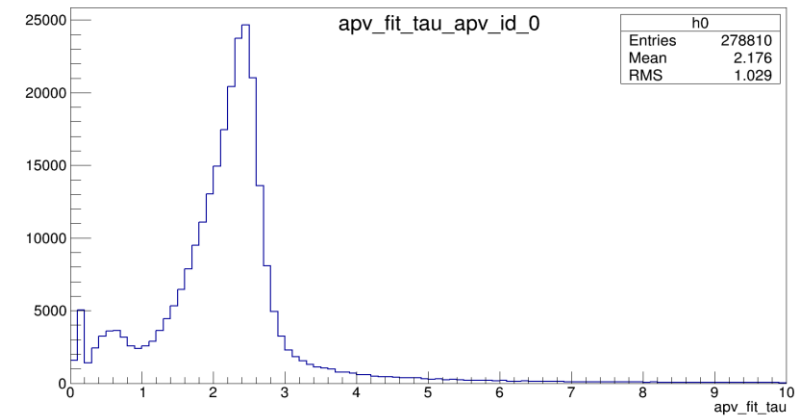
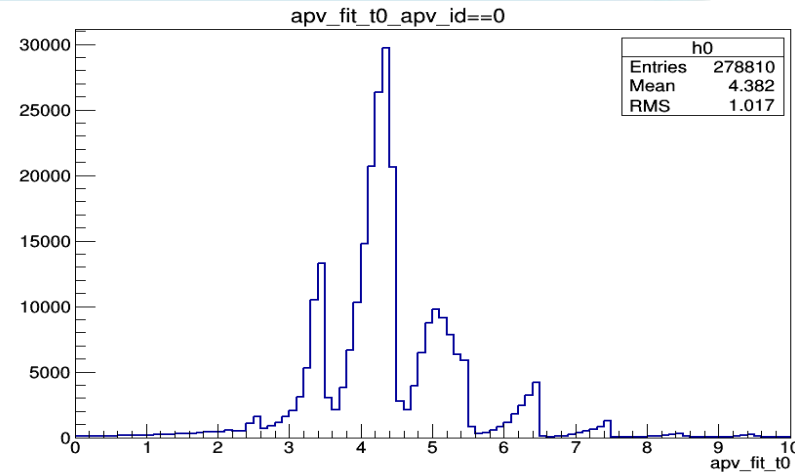
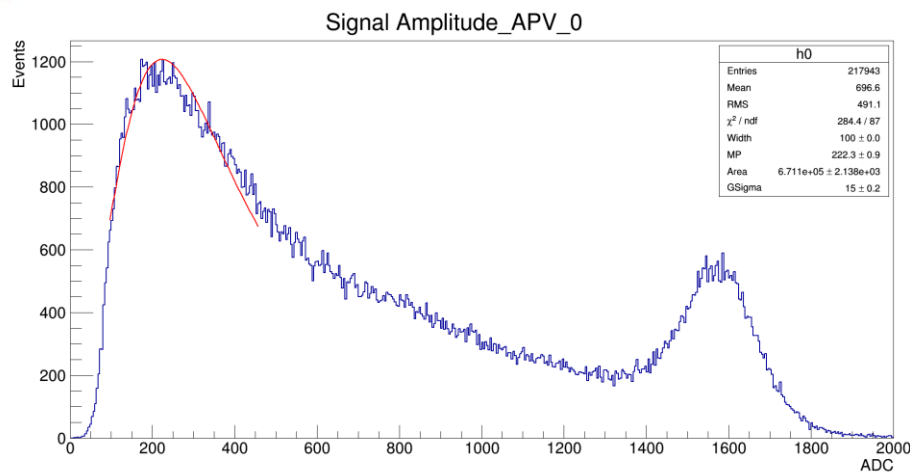
## Set-up configuration for SRS run182

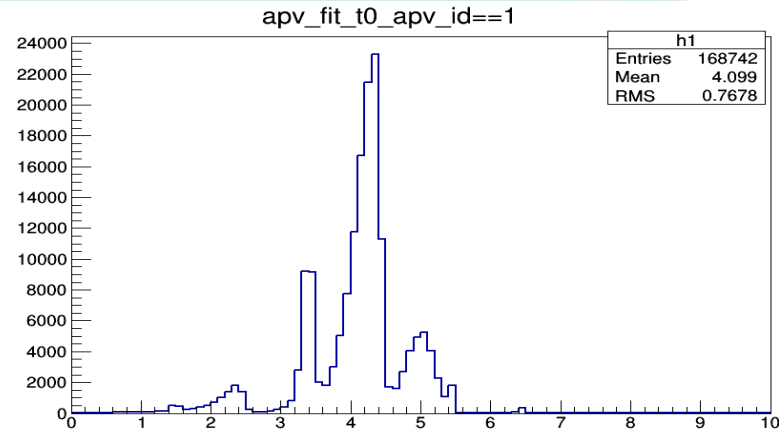
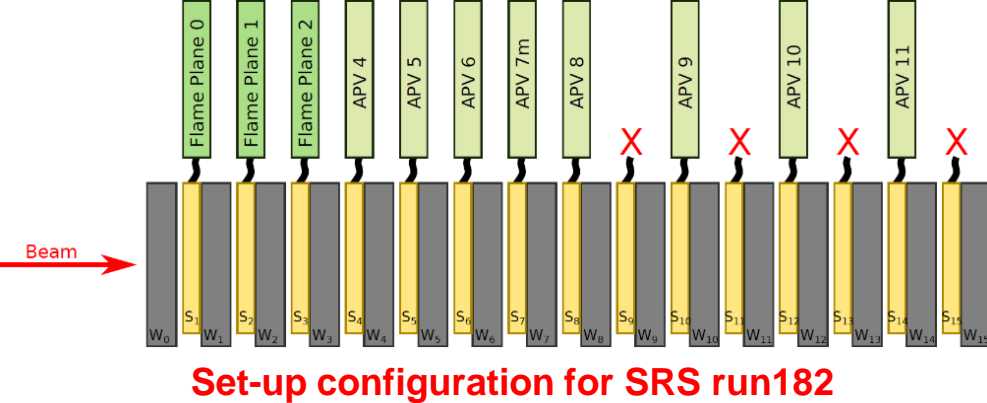
Signal selection:  $S_{max} < 2000$  ADC

```

apv_reco->Draw("apv_signal_maxfit>>h0",
"apv_id==0 &&
apv_fit_t0>3,0 && apv_fit_t0<7,5 &&
apv_fit_tau>0.2 && apv_fit_tau<3 &&
apv_nn_output>0.6")

```





**Signal selection:  $S_{max} < 2000$  ADC**

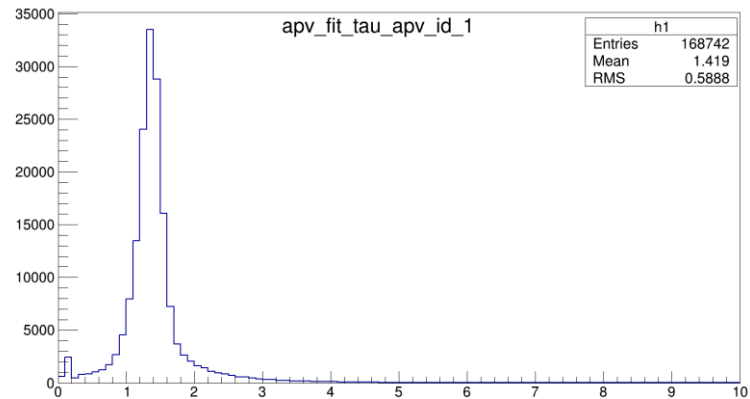
```
apv_reco->Draw("apv_signal_maxfit>>h0",
```

```
"apv_id==0 &&
```

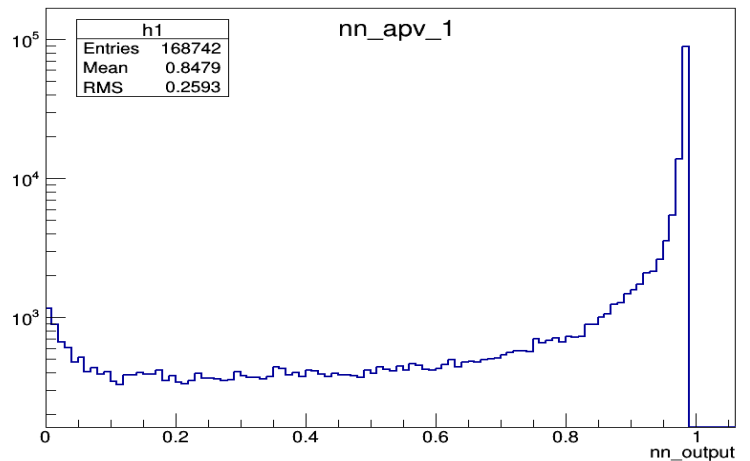
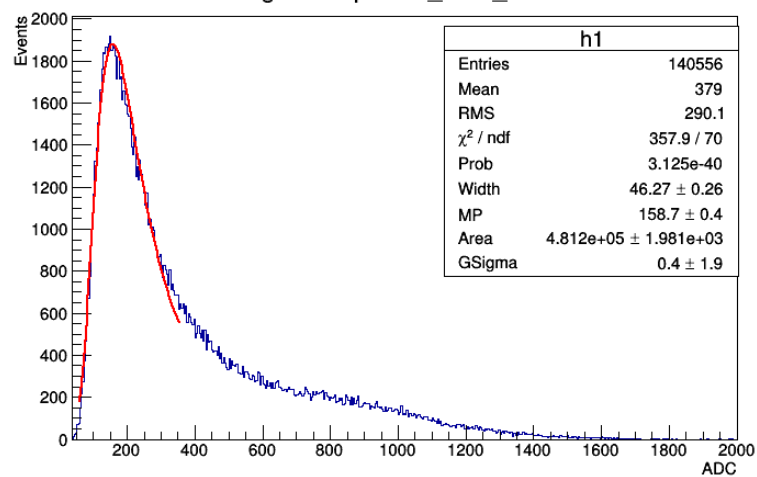
```
apv_fit_t0>1.8 && apv_fit_t0<5.5 &&
```

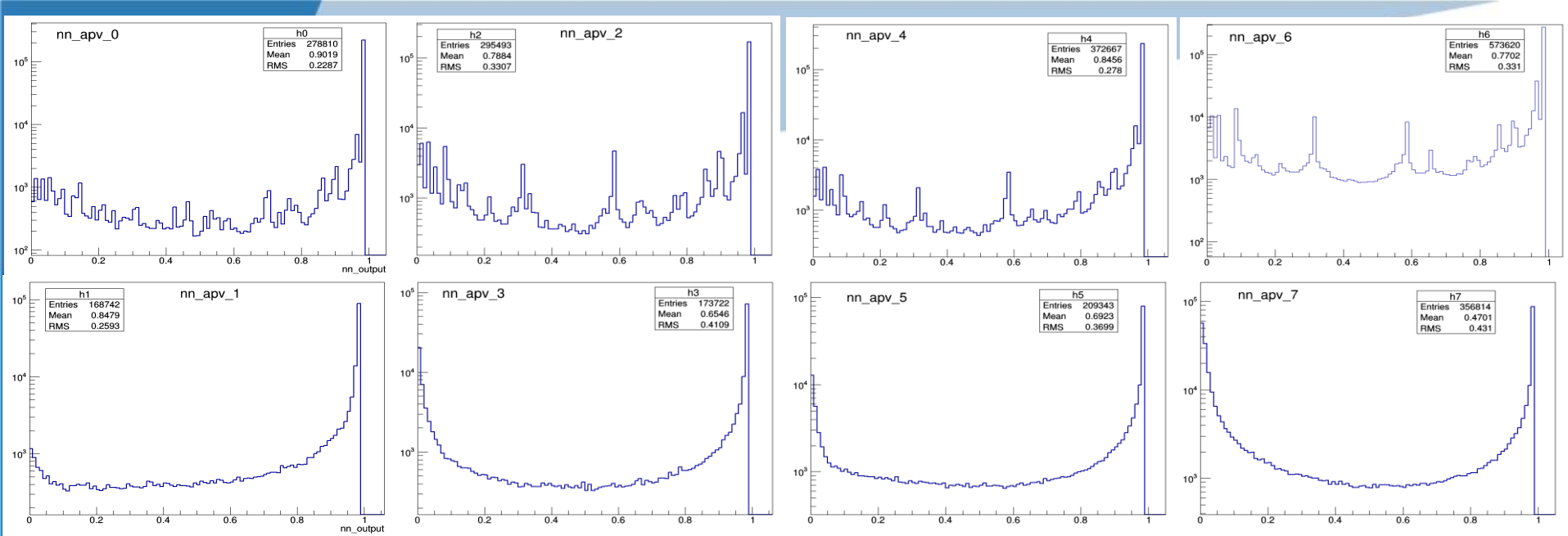
```
apv_fit_tau>0.2 && apv_fit_tau<3.0 &&
```

```
apv_nn_output>0.6")
```

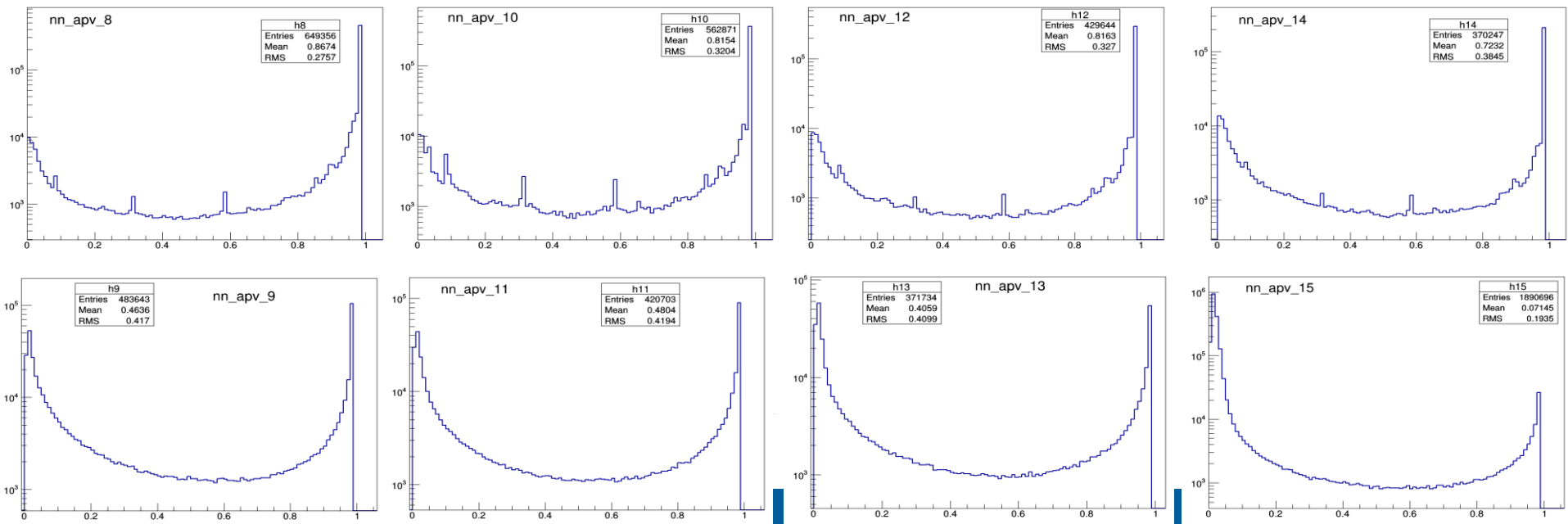


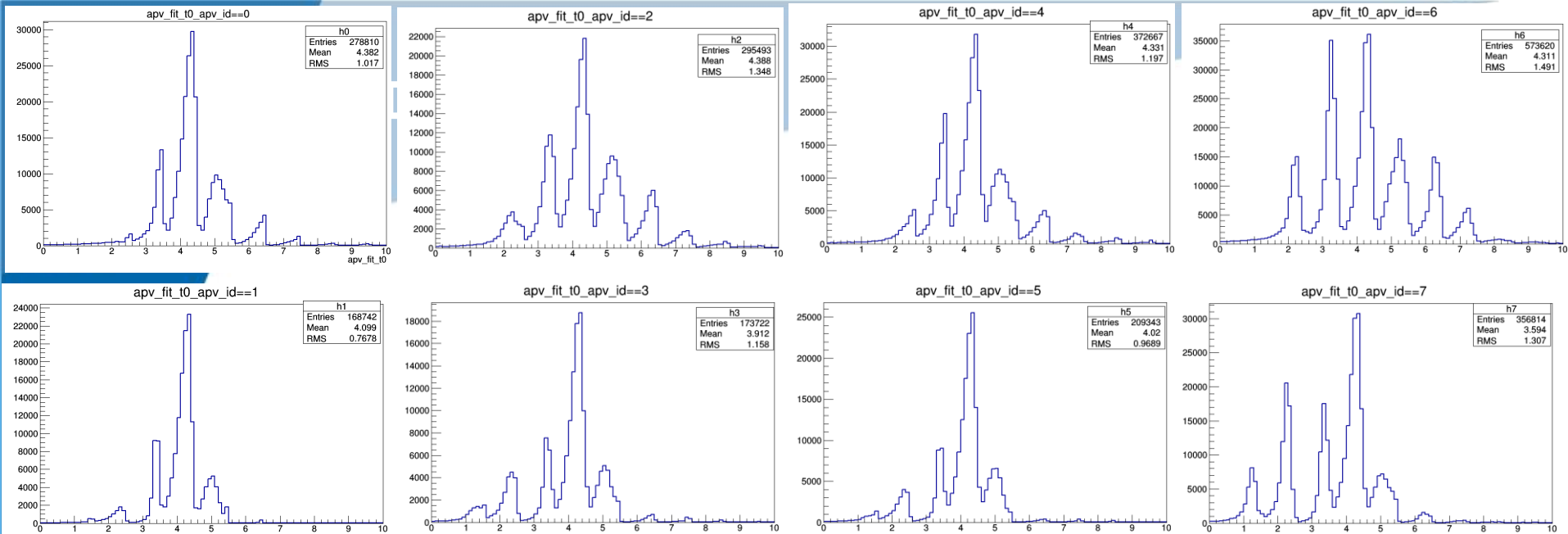
Signal Amplitude\_APV\_1



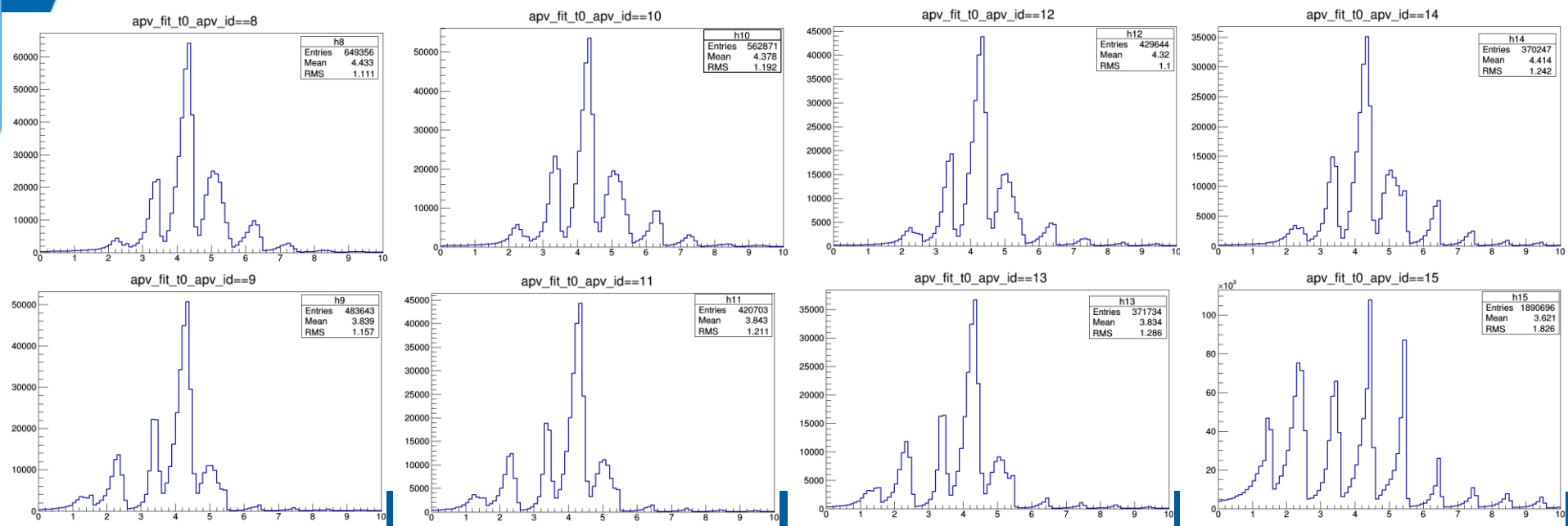


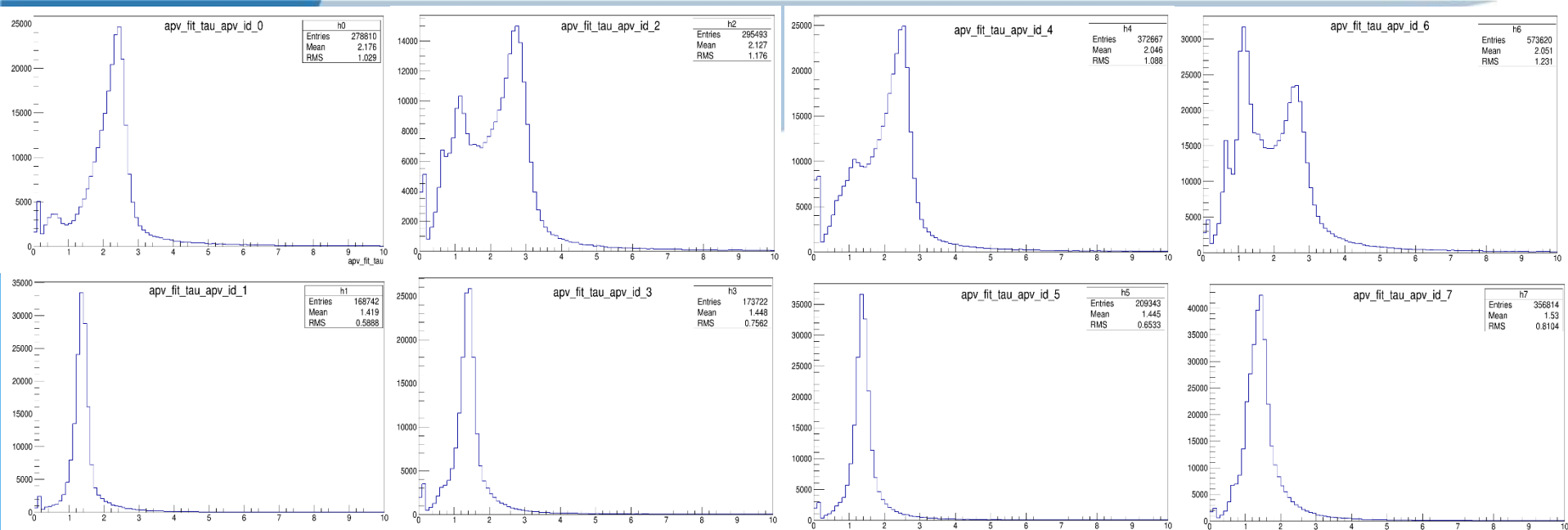
## Run182 – Neural Network distribution for all LumiCal layers



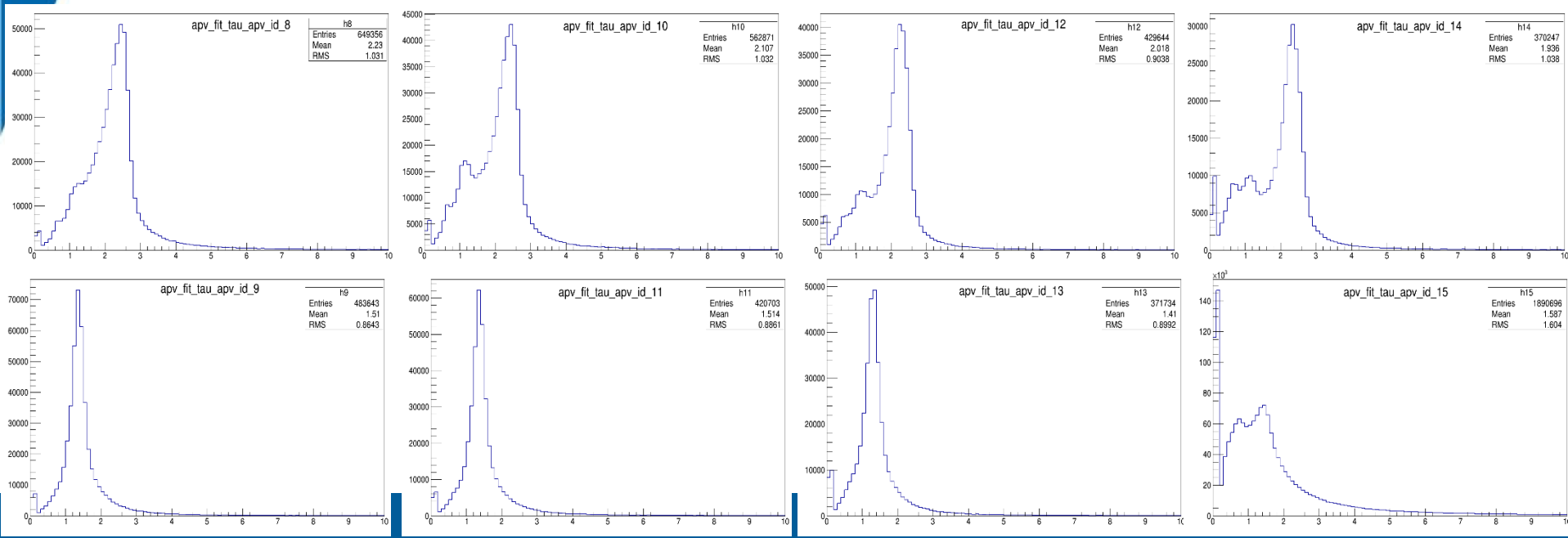


## Run182 – $t_0$ distribution for all LumiCal layers

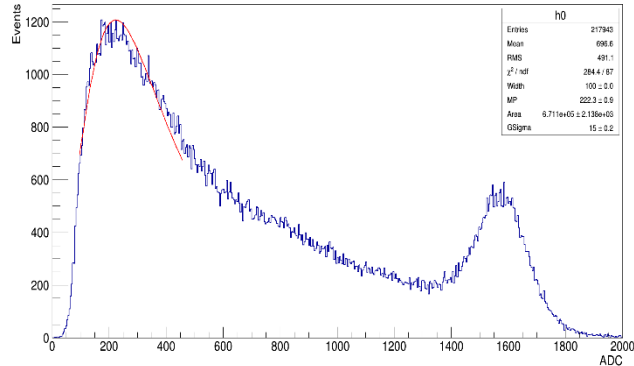




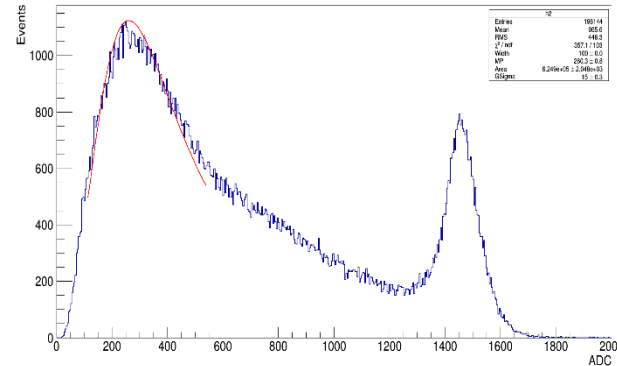
## Run182 – $\tau$ distribution for all LumiCal layers



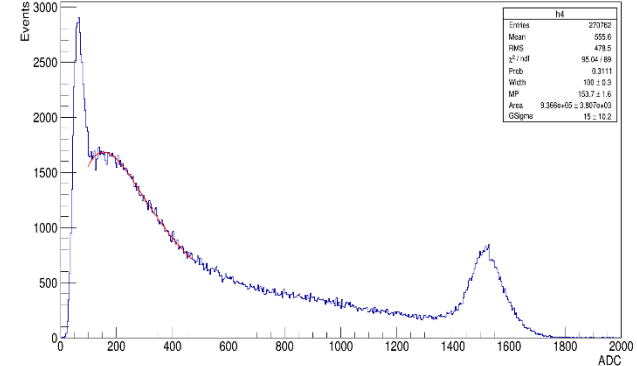
Signal Amplitude\_APV\_0



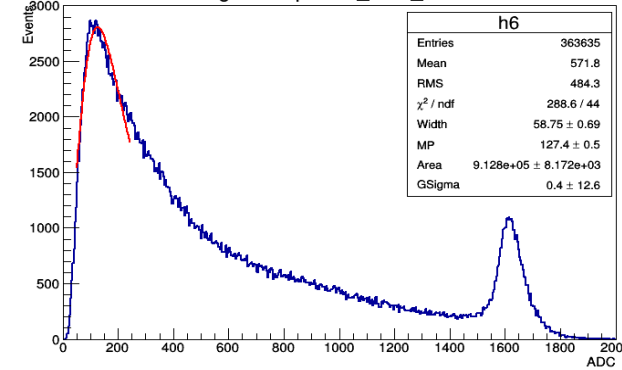
Signal Amplitude\_APV\_2



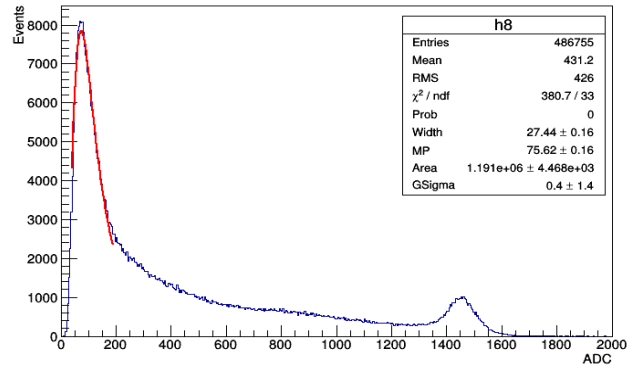
Signal Amplitude\_APV\_4



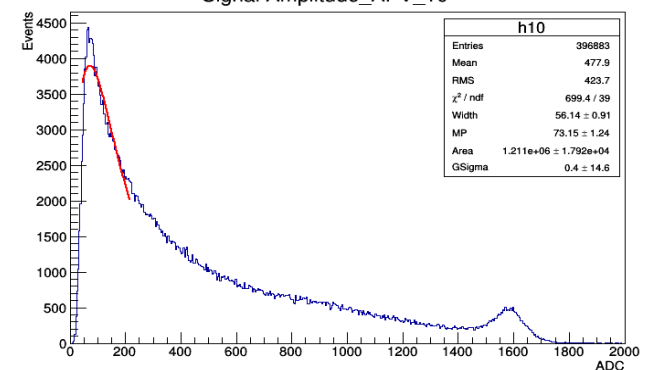
Signal Amplitude\_APV\_6



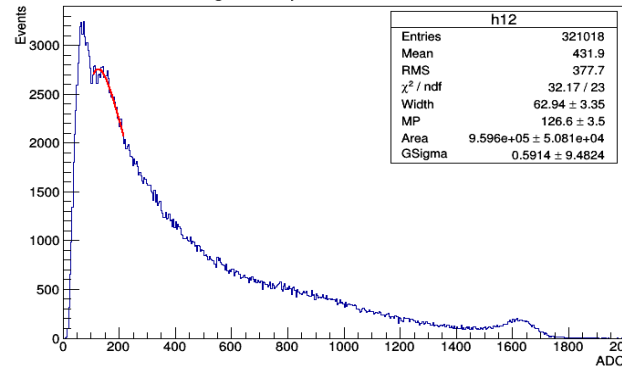
Signal Amplitude\_APV\_8



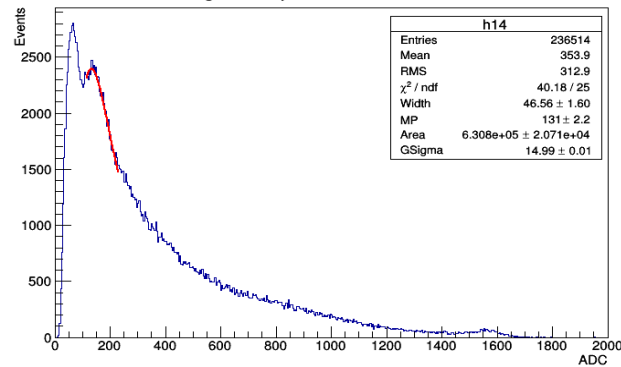
Signal Amplitude\_APV\_10



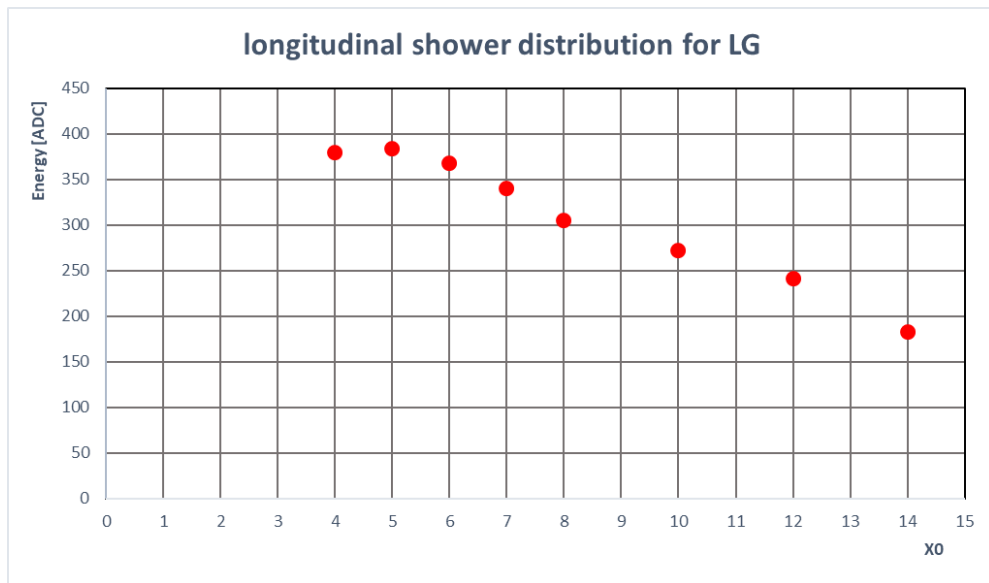
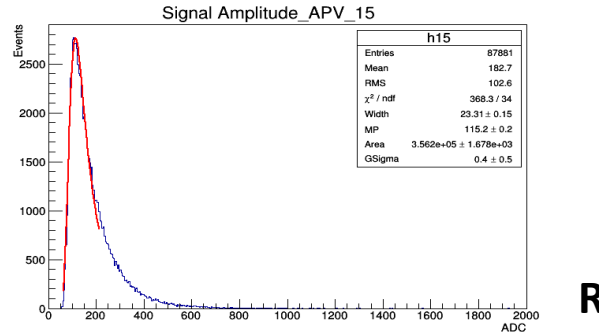
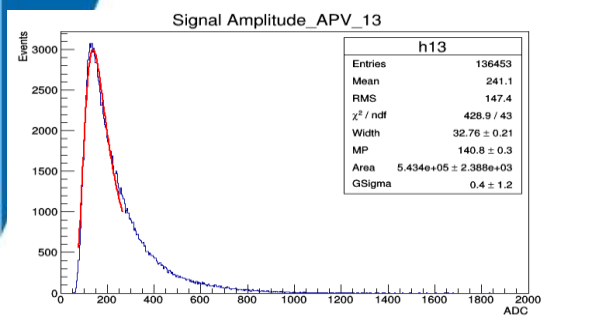
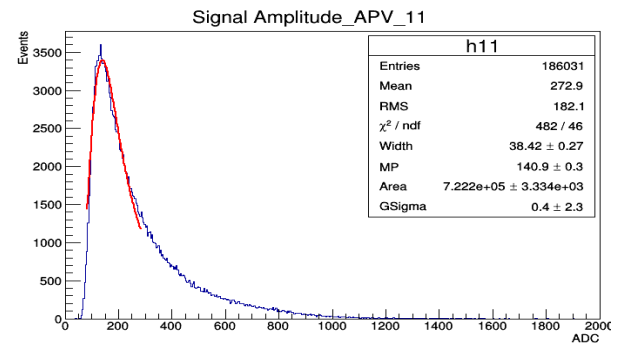
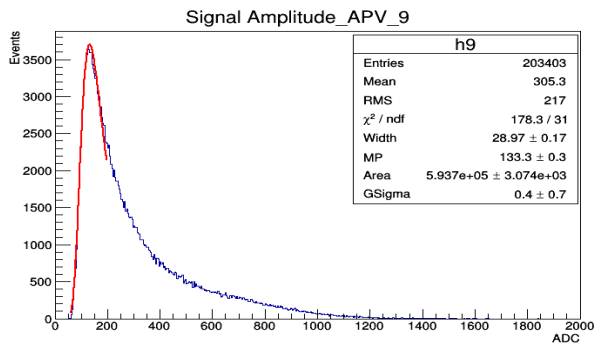
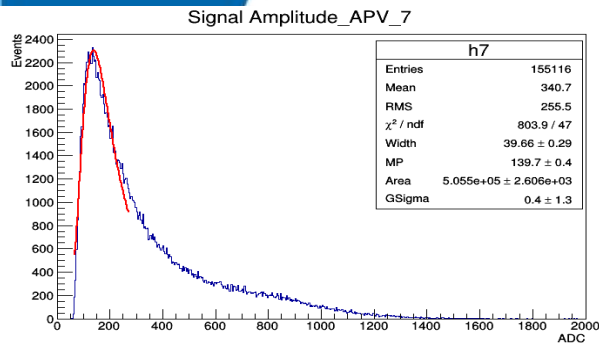
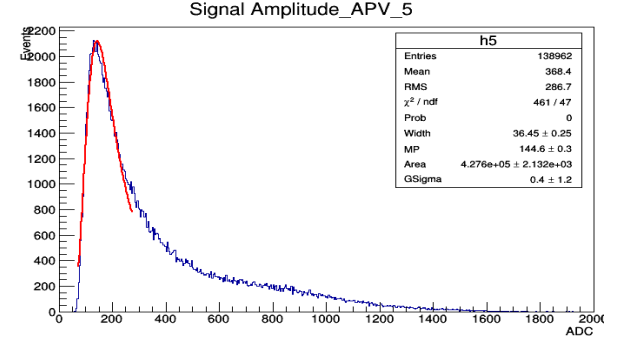
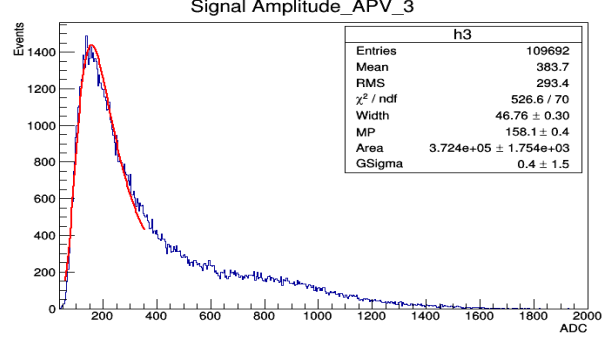
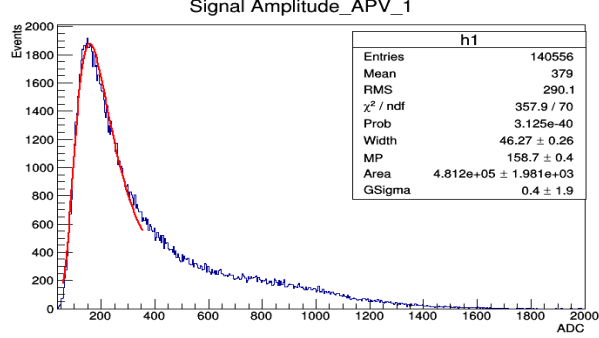
Signal Amplitude\_APV\_12



Signal Amplitude\_APV\_14



Run182 – High Gain signal distribution for all LumiCal layers



Run182 – Low Gain signal distribution for all LumiCal layers