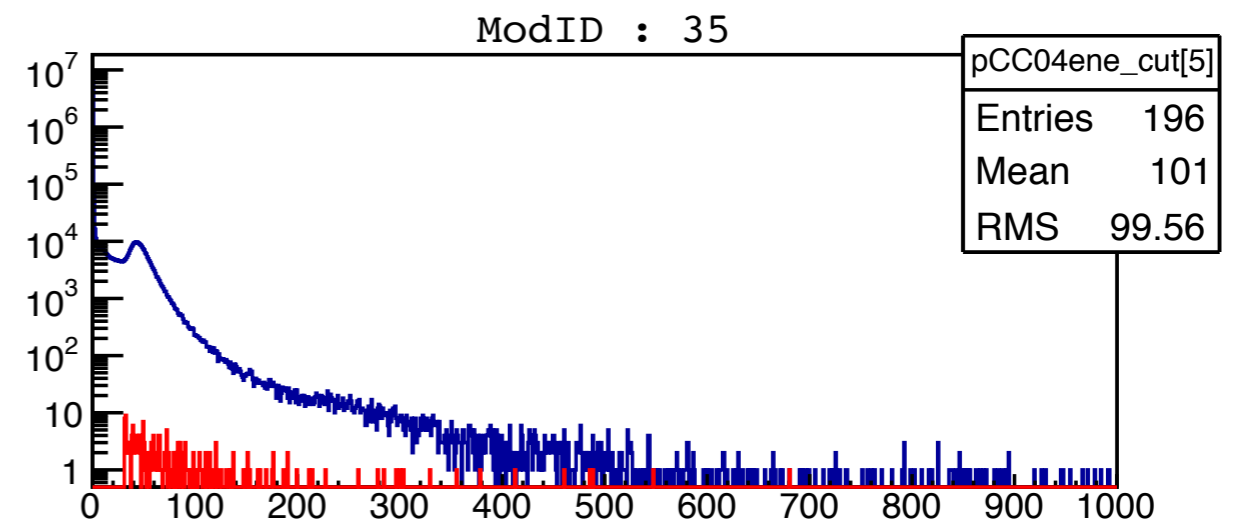
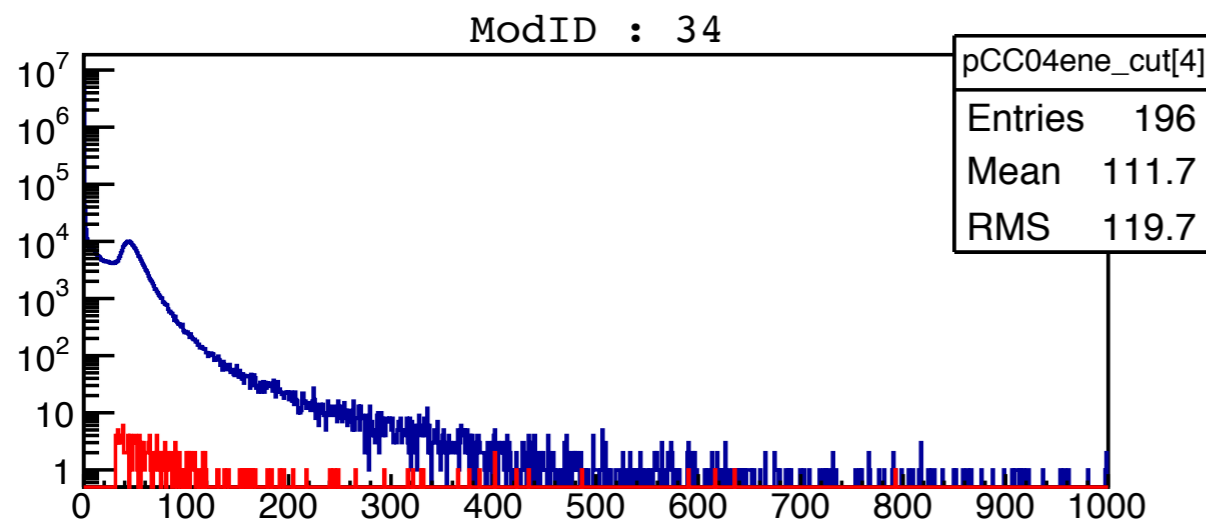
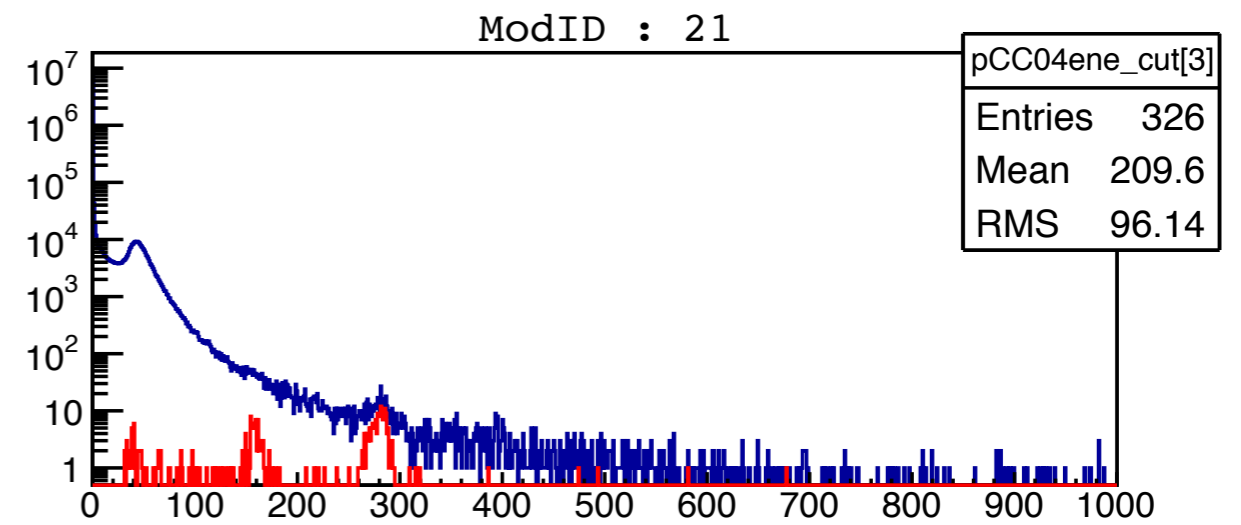
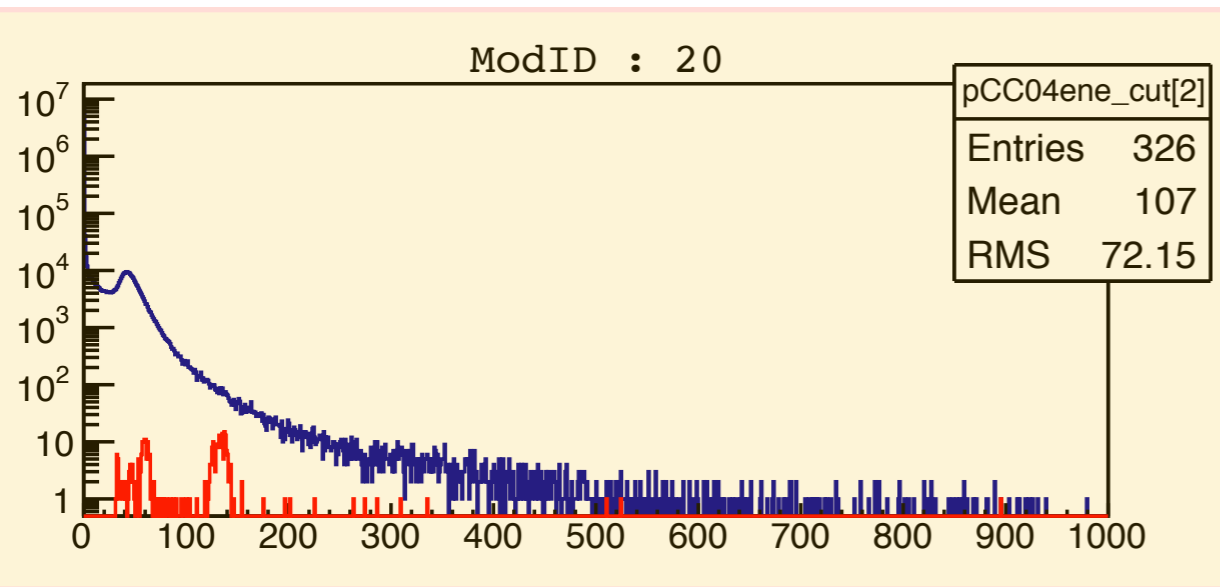
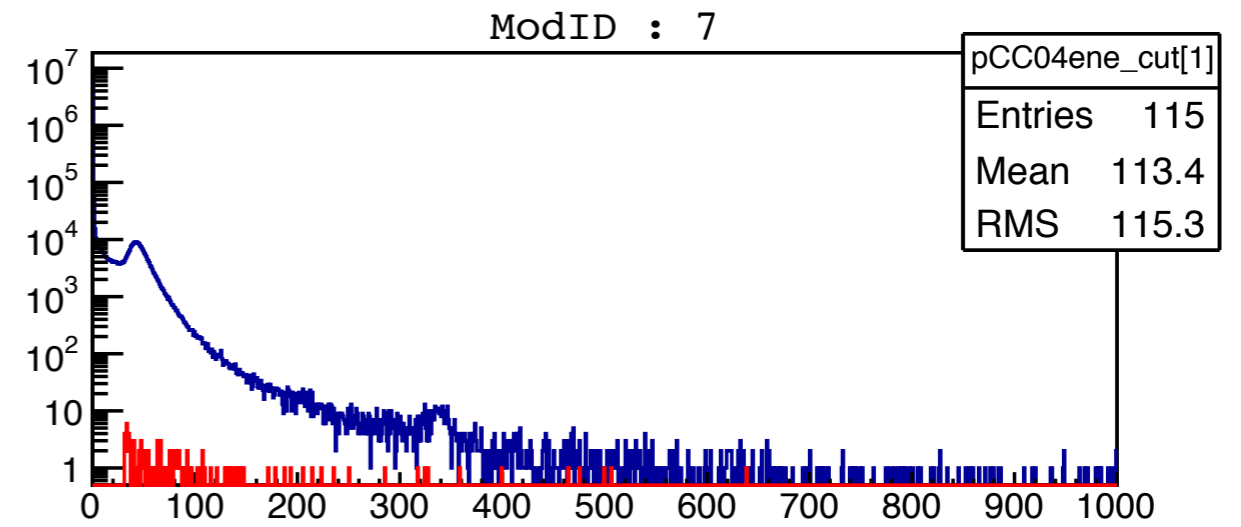
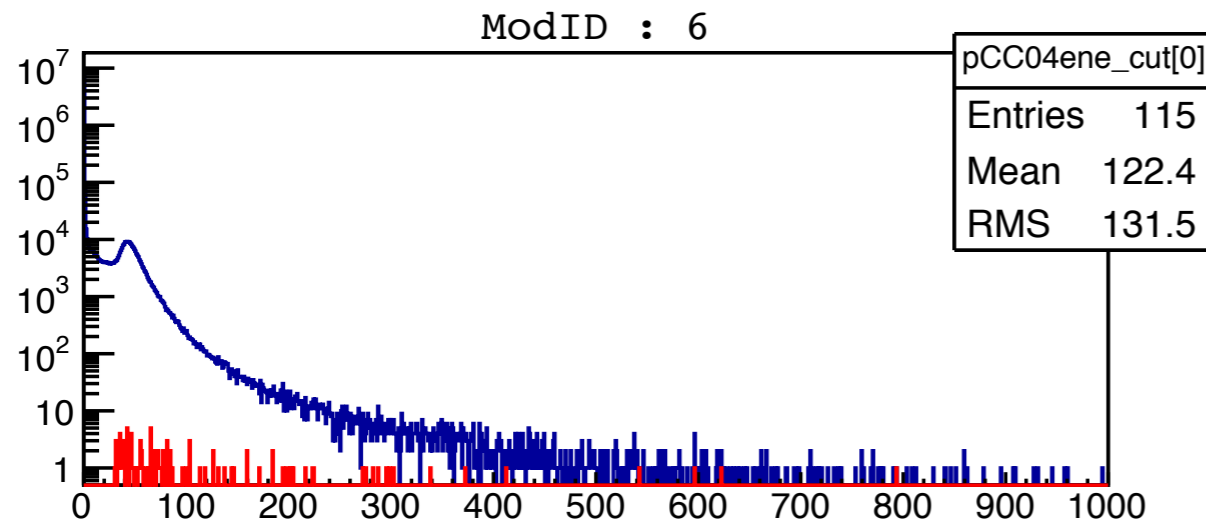


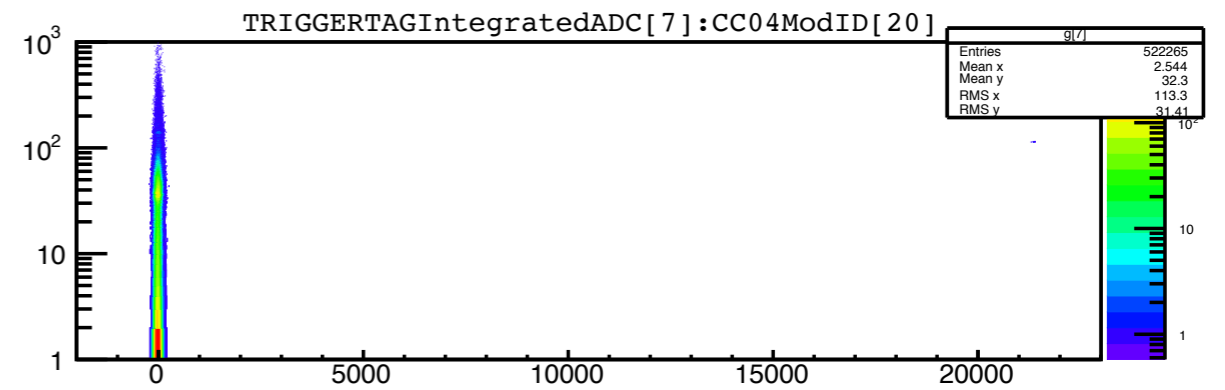
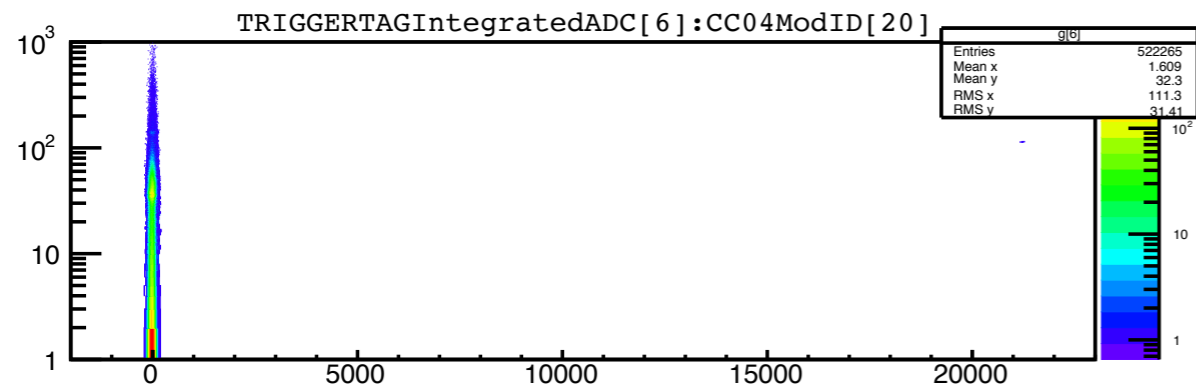
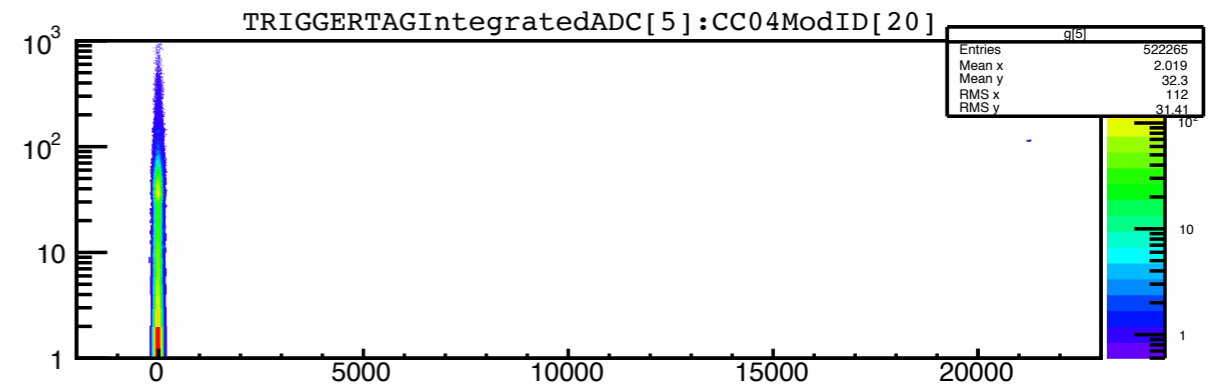
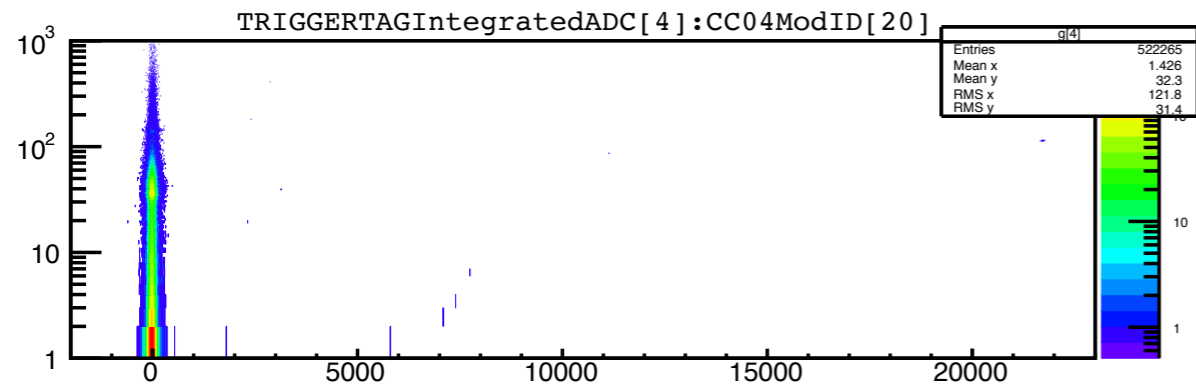
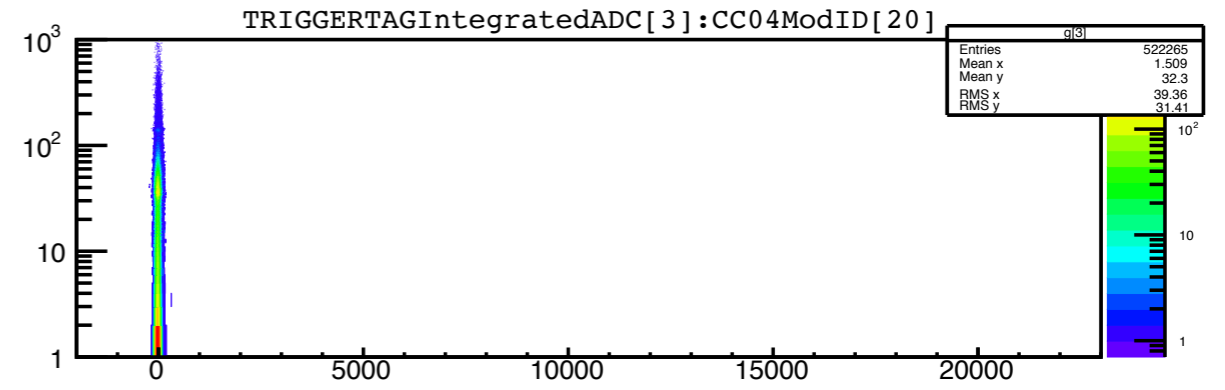
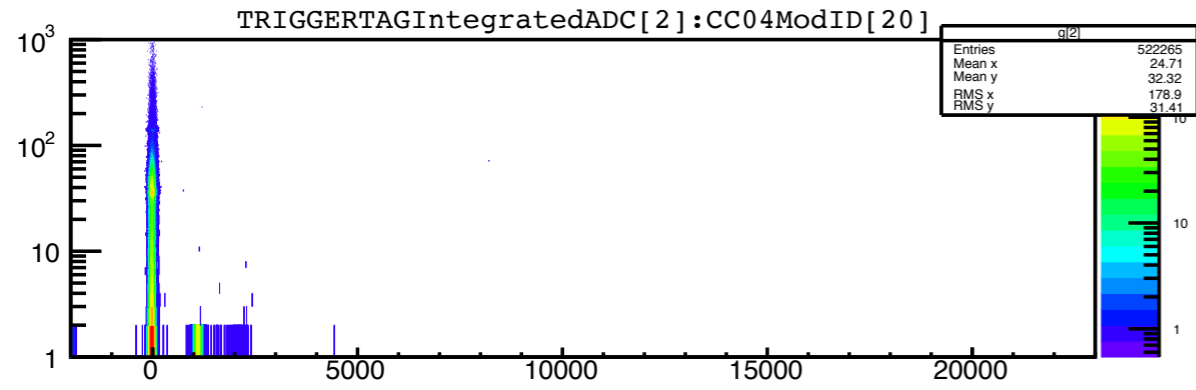
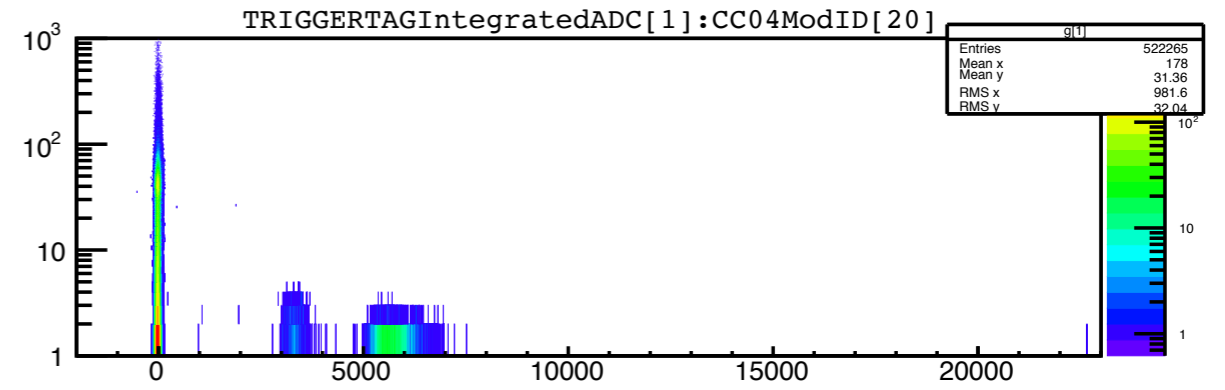
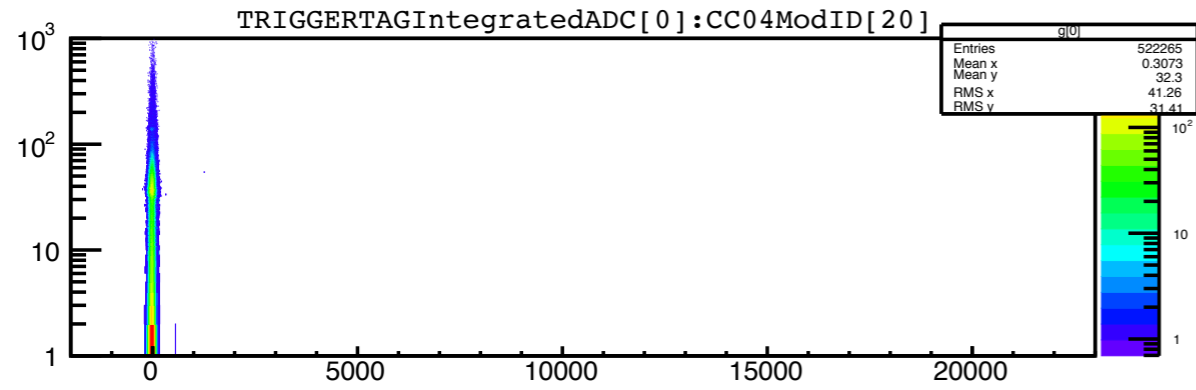
# Daily report

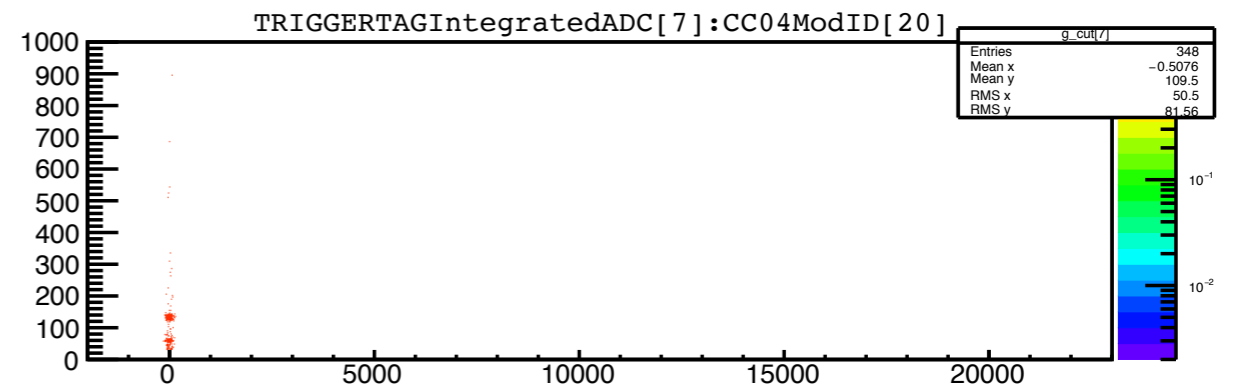
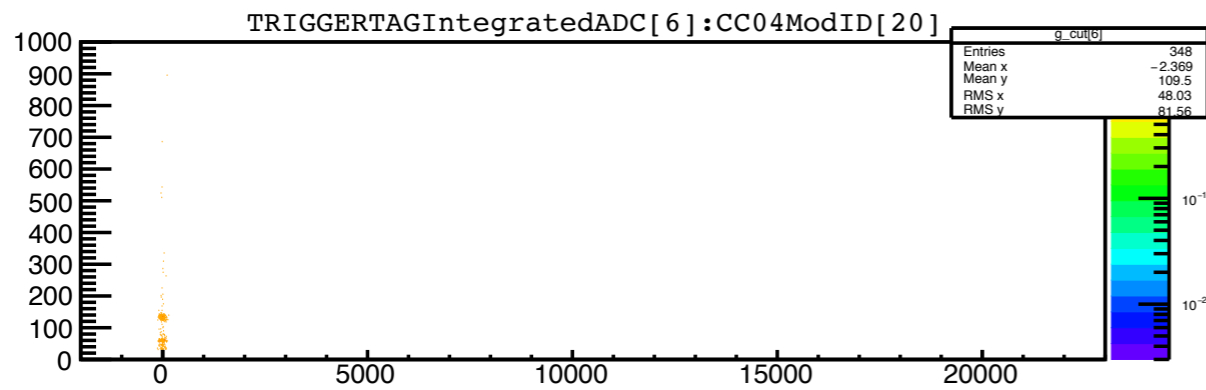
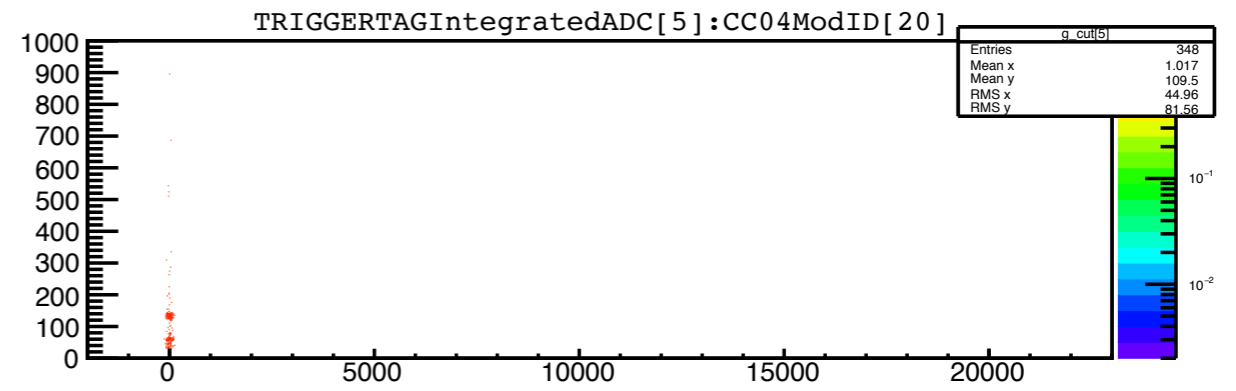
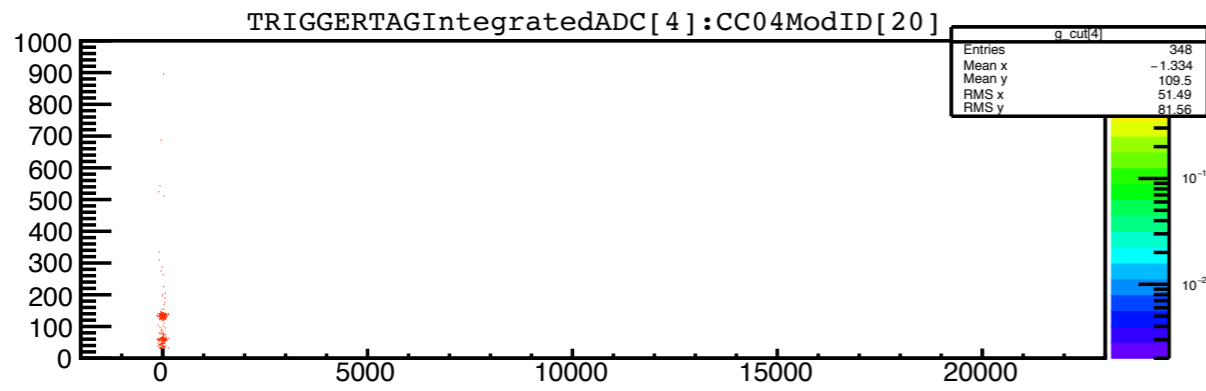
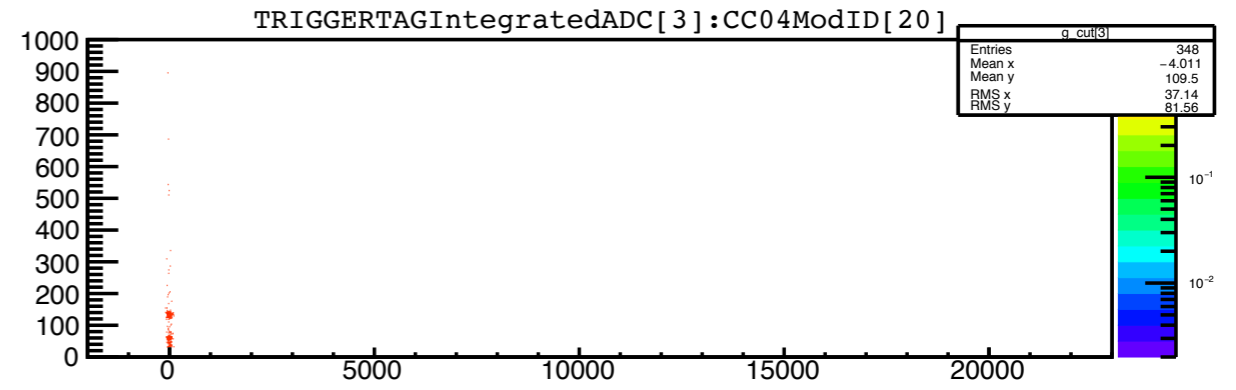
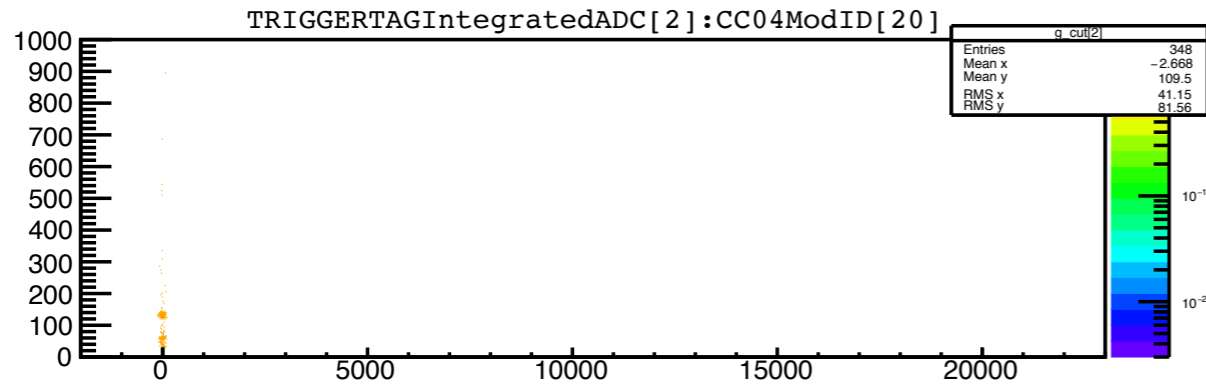
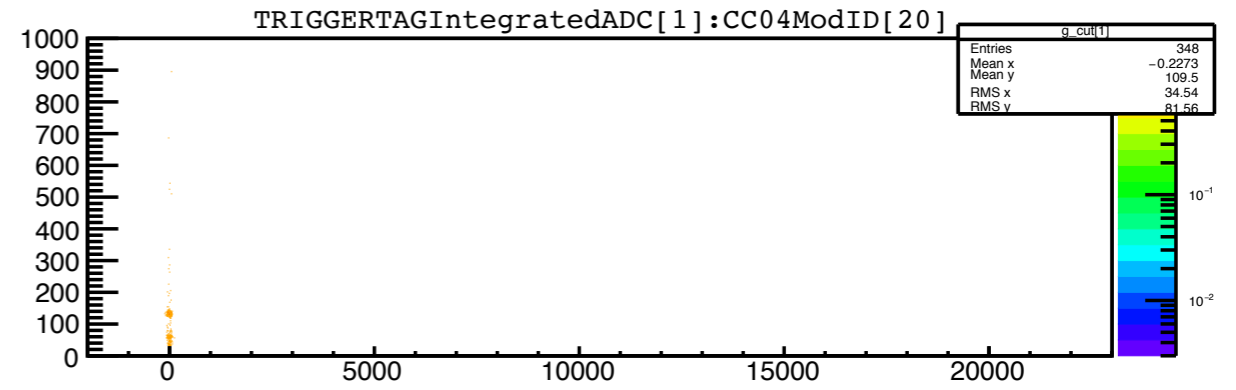
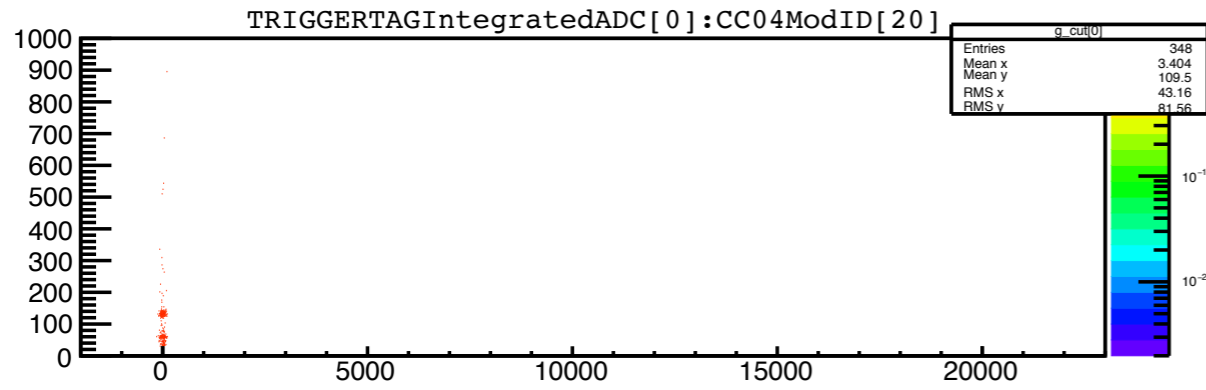
27 March, 2019

# Event selection

## Center

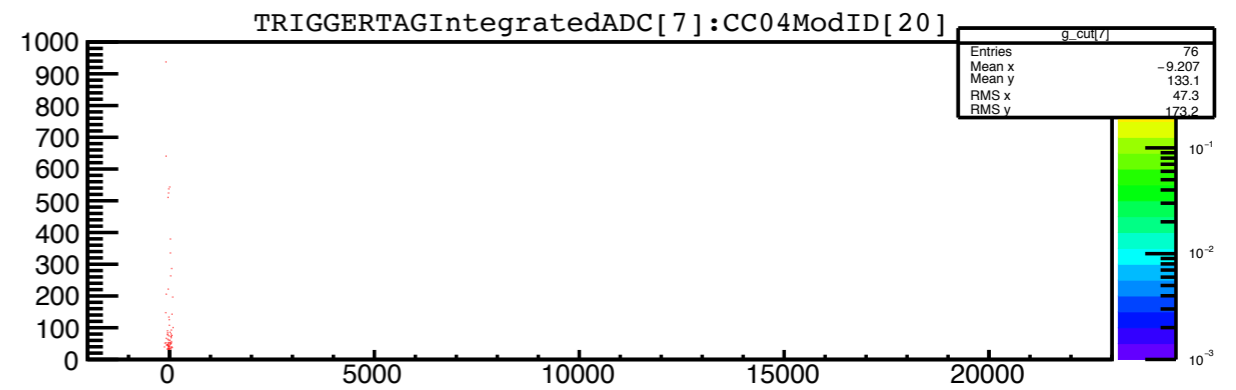
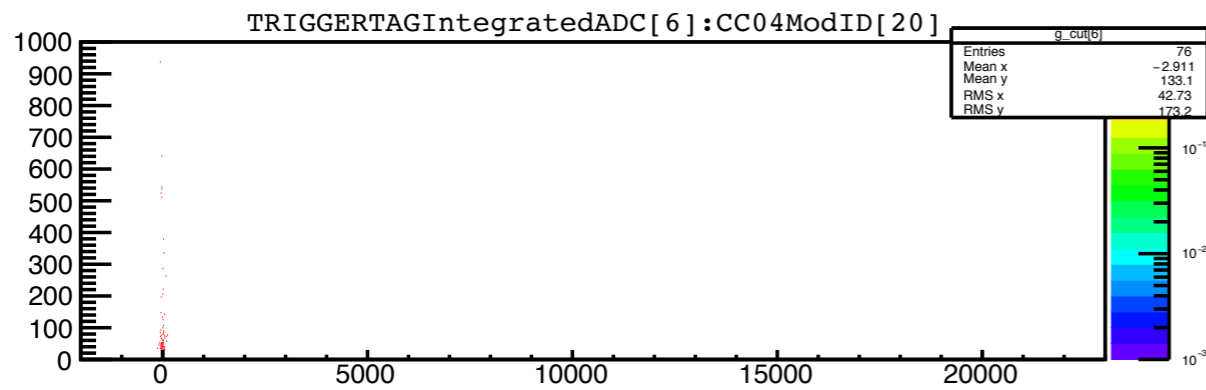
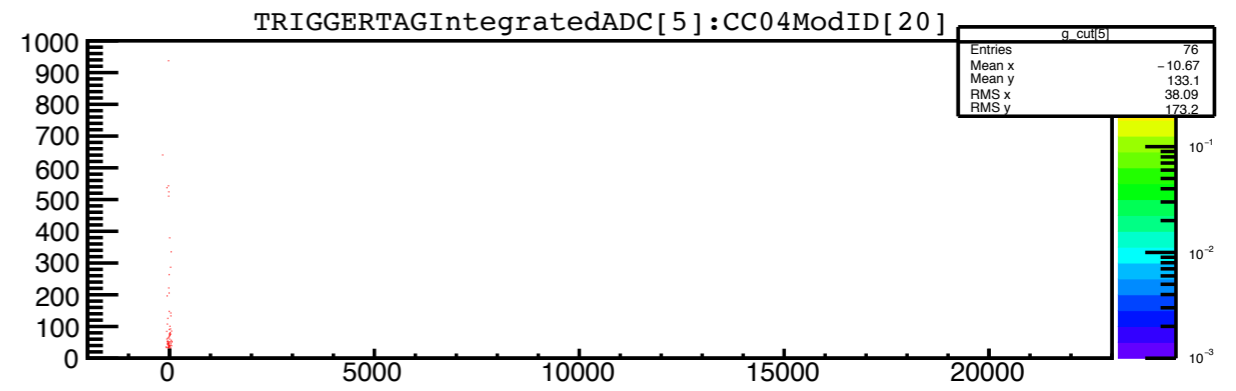
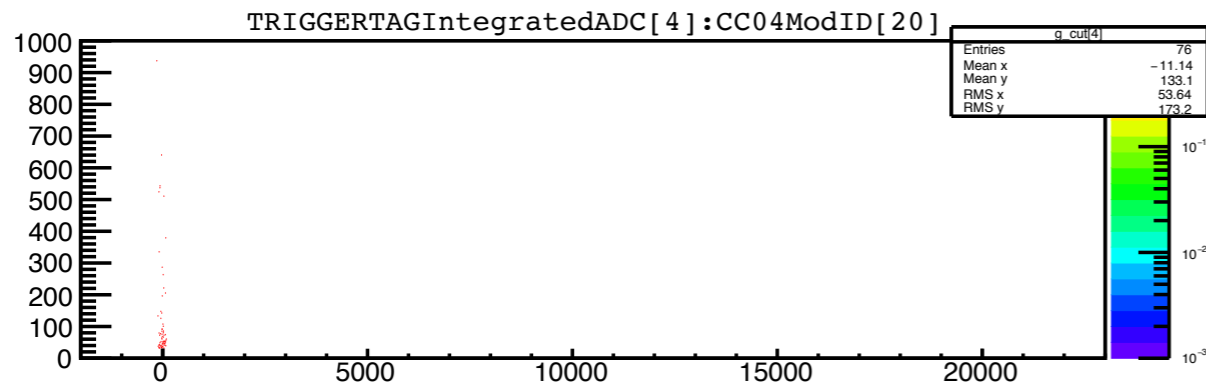
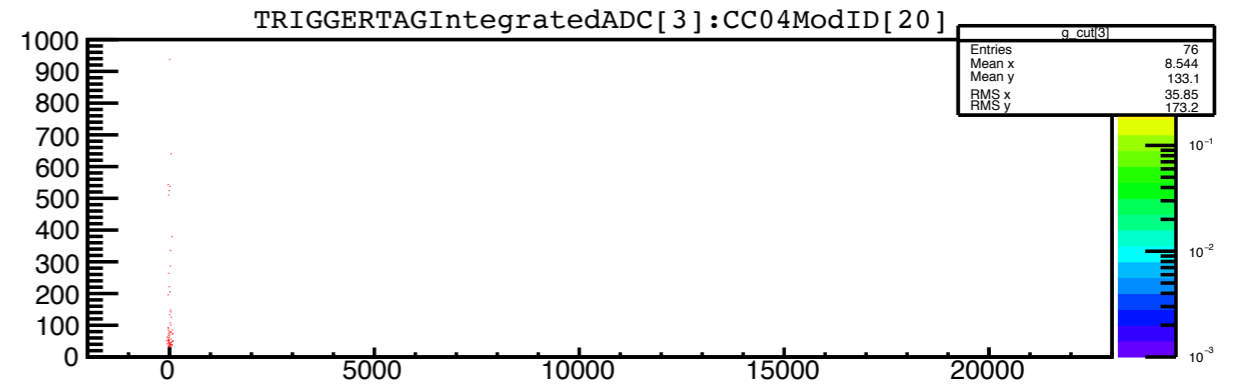
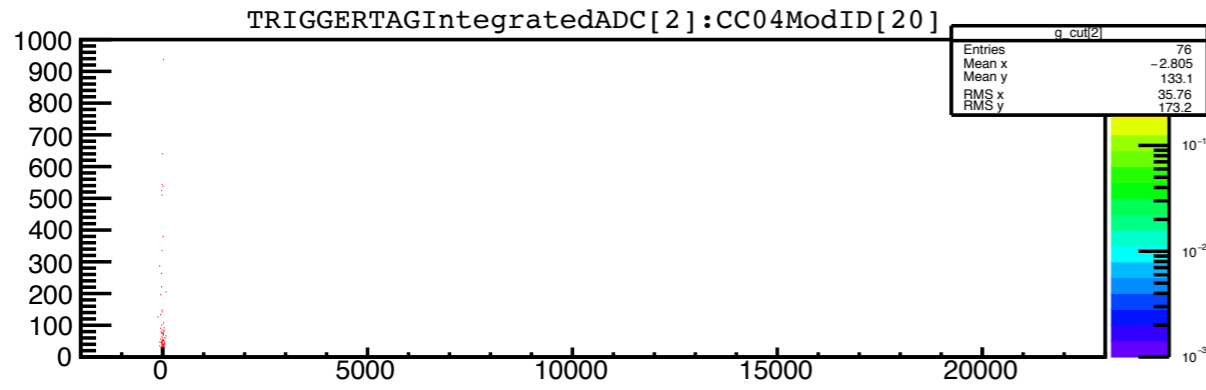
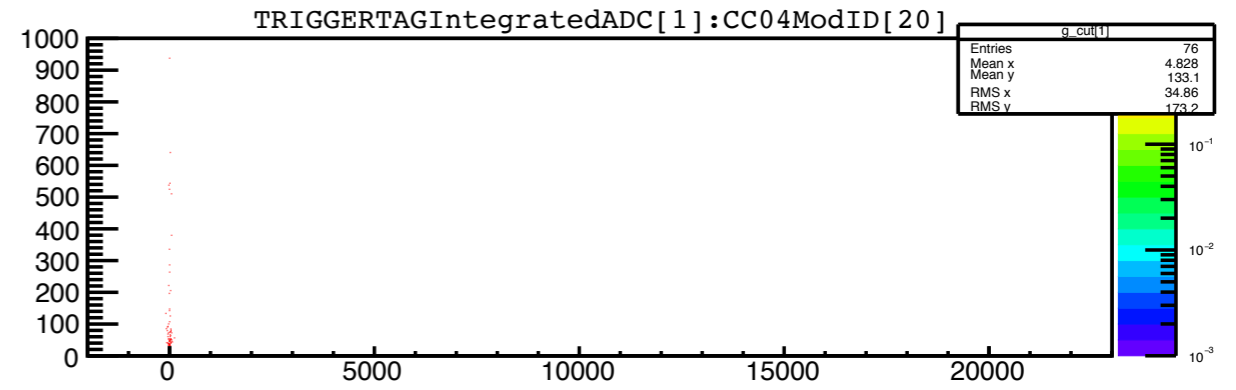
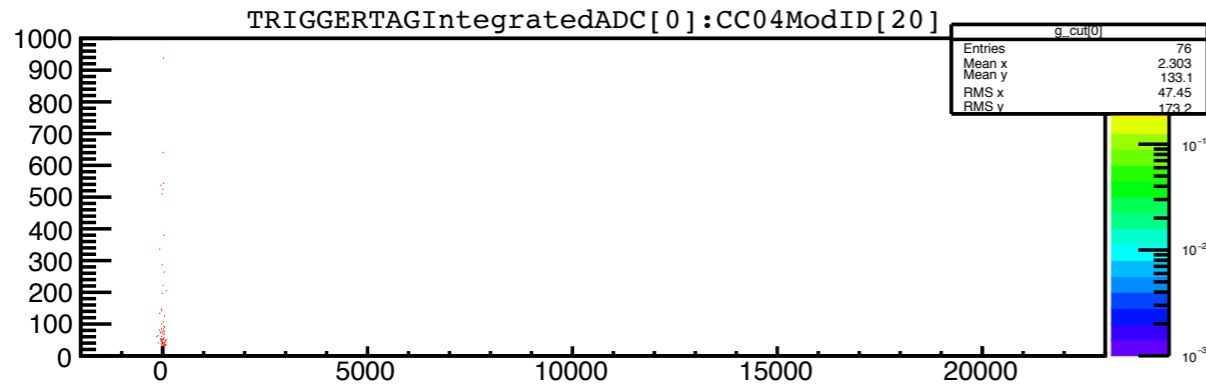


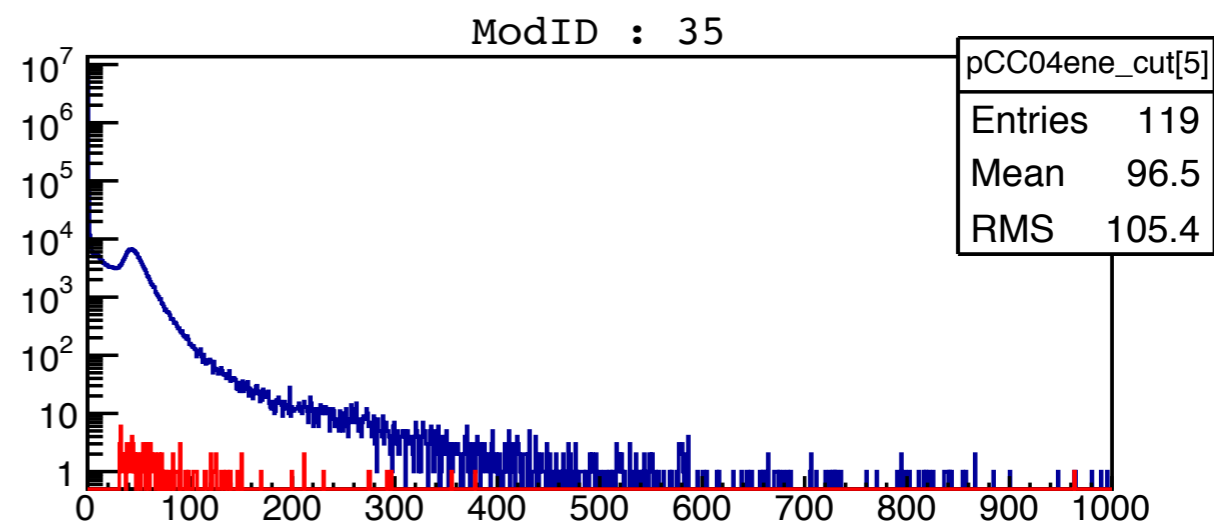
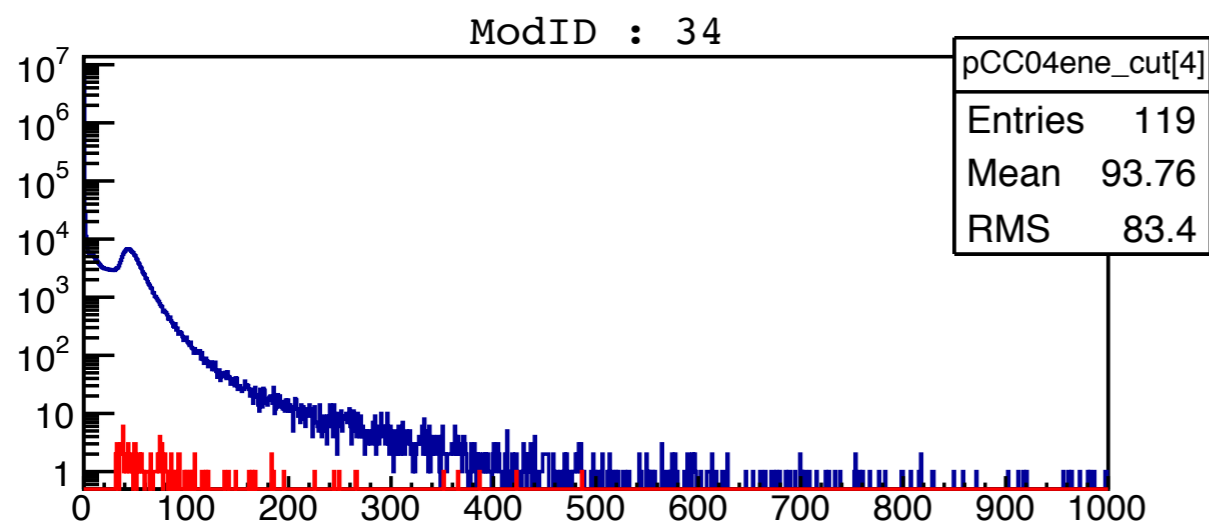
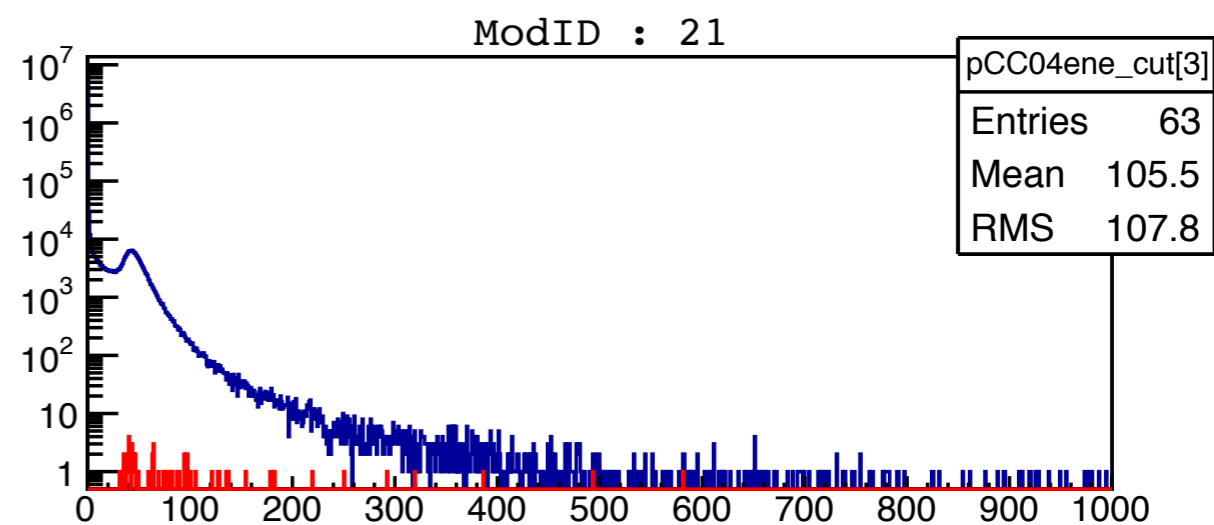
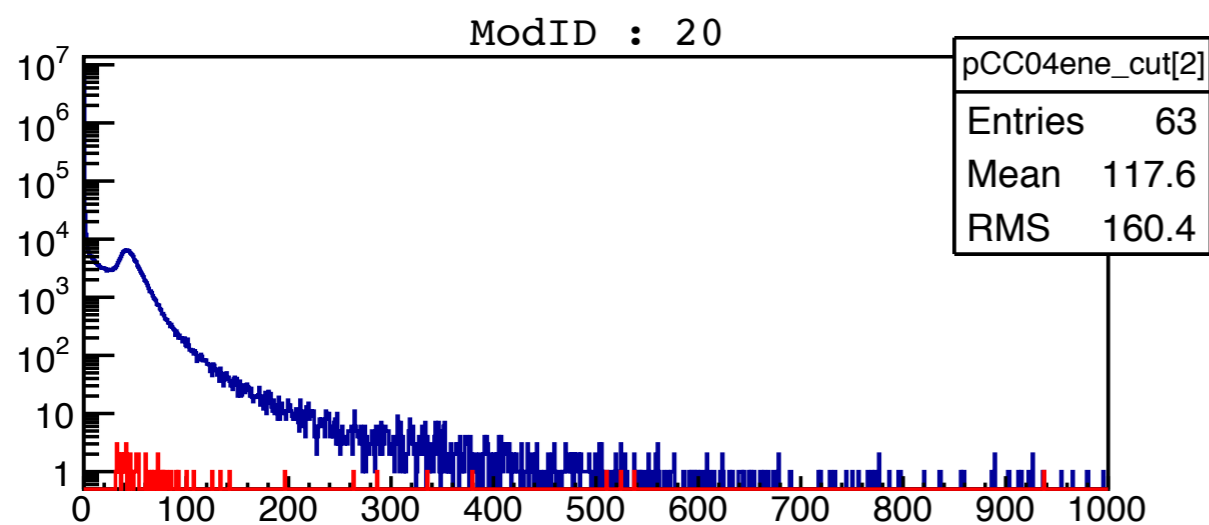
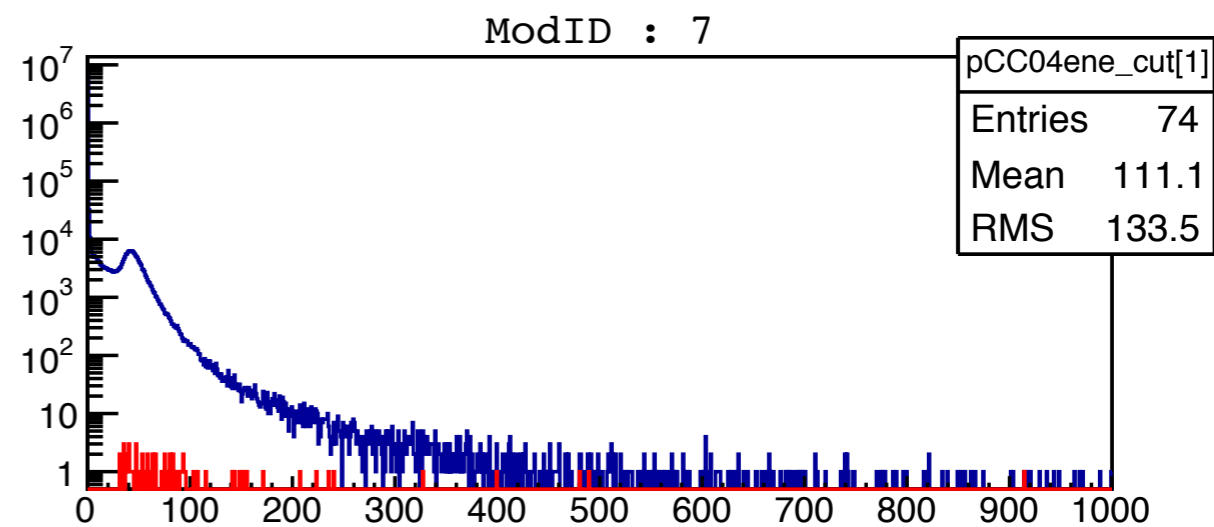
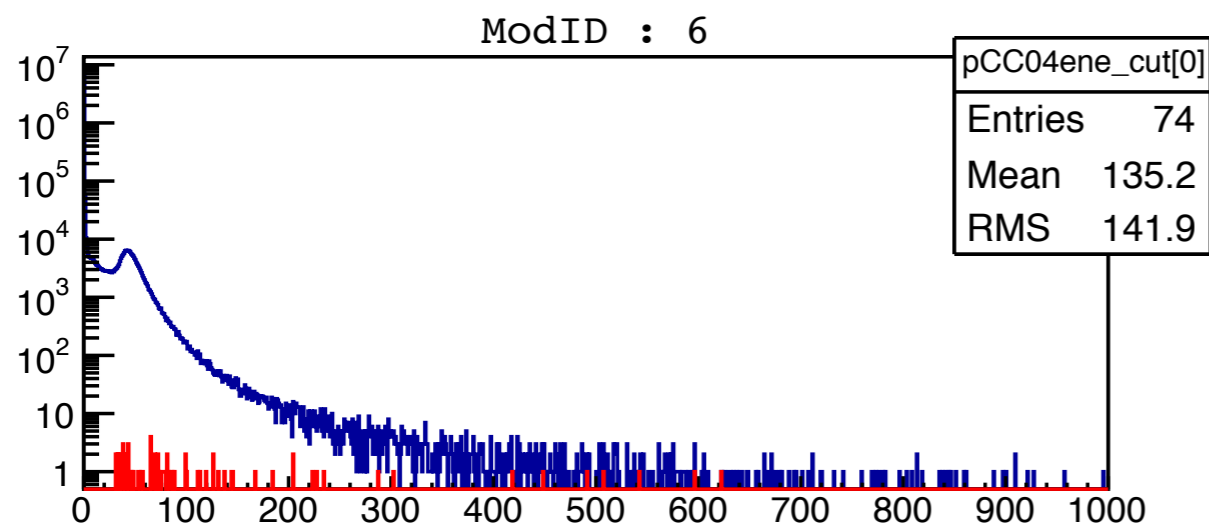




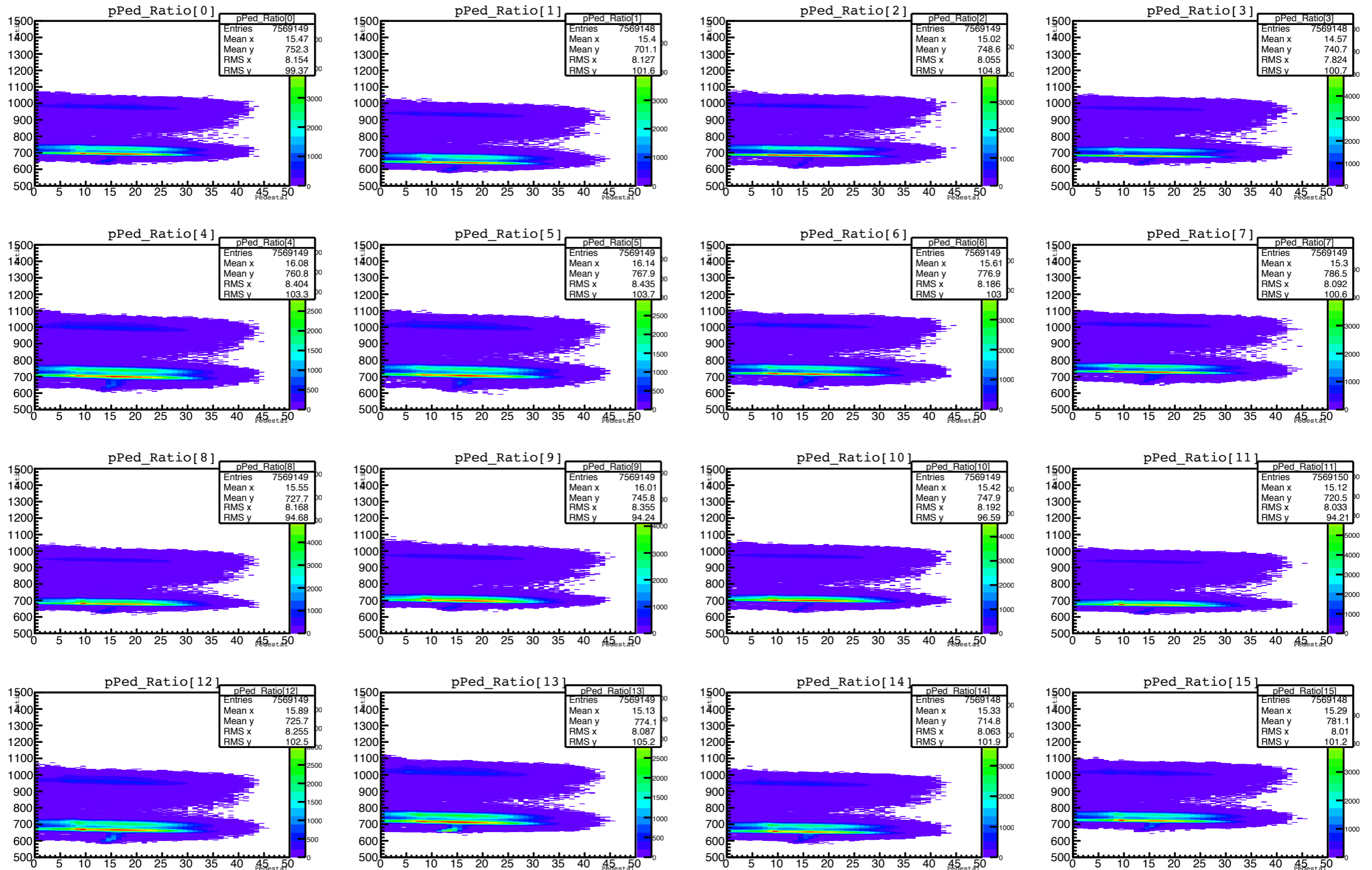
# Run selection changed

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30511	30635	30911	31244
30515	30637	30956	31245
30518	30638	31011	31246
30519	30639	31012	31247
30520	30759	31014	31364
30521	30760	31015	31373
30522	30761	31016	31374
30523	30762	31017	31375
30524	30763	31018	31376
30525	30764	31019	31375
30526	30765	31020	31376
30527	30766	31021	31377
30528	30768	31022	31378
30530	30769	31023	31379
30531	30770	31024	31380
30532	30771	31025	31381
30533	30772	31026	31382
30534	30773	31027	31383
30535	30775	31028	31384
30536	30776	31029	31385
30537	30777	31030	31386
30539	30778	31031	31387
30540	30779	31032	31388
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30548	30784		



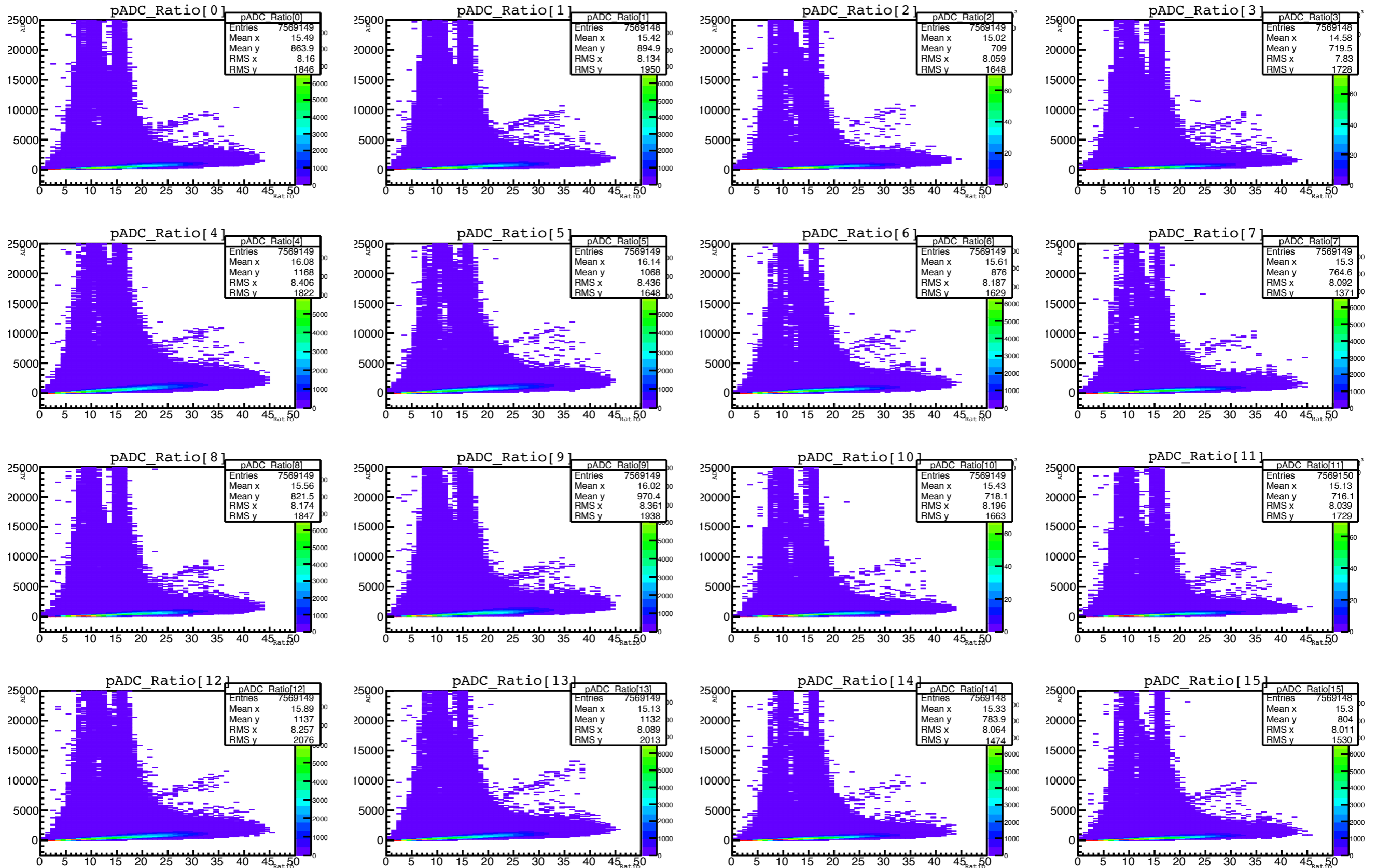


# DCV1 (No cut)

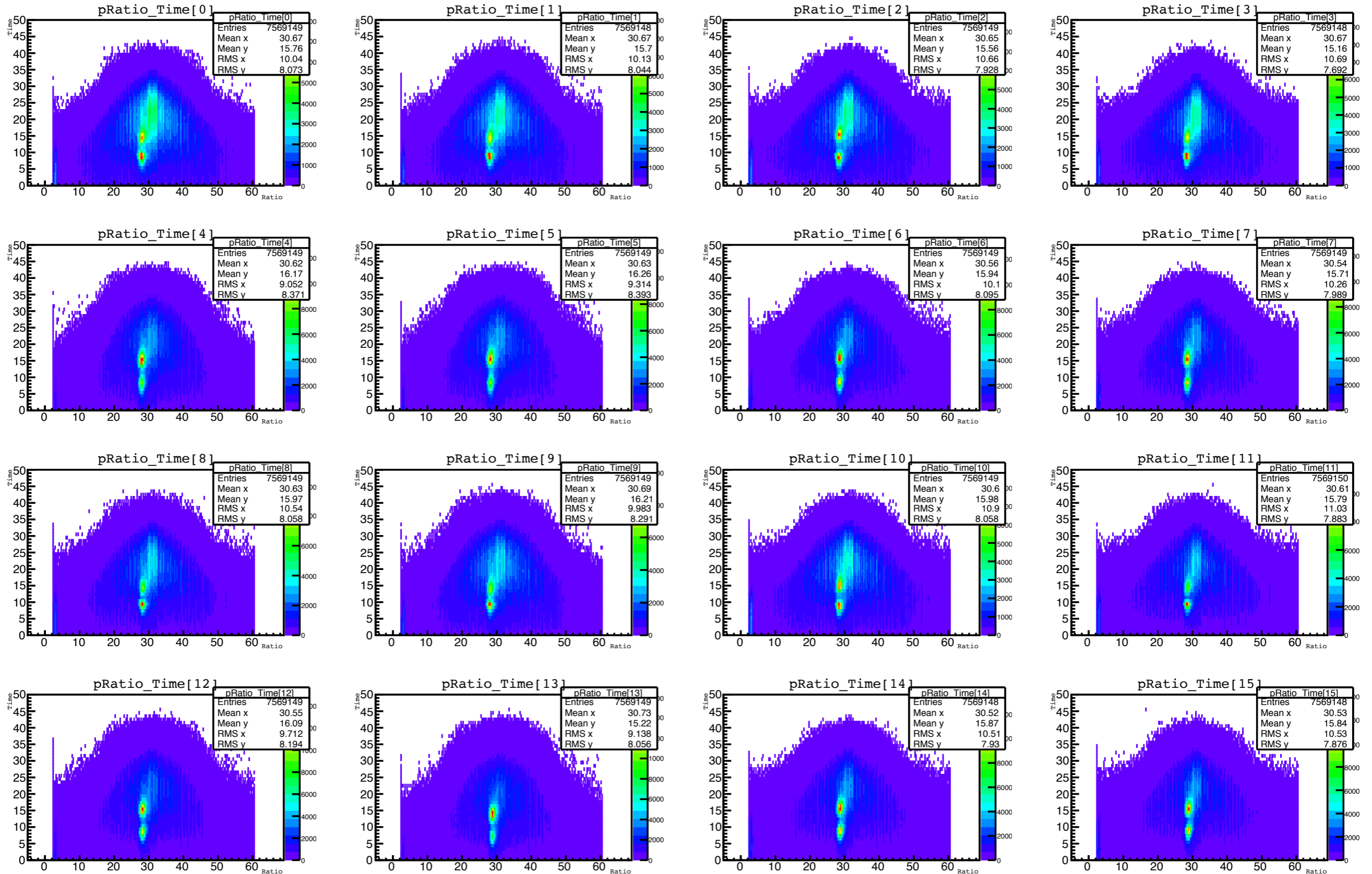




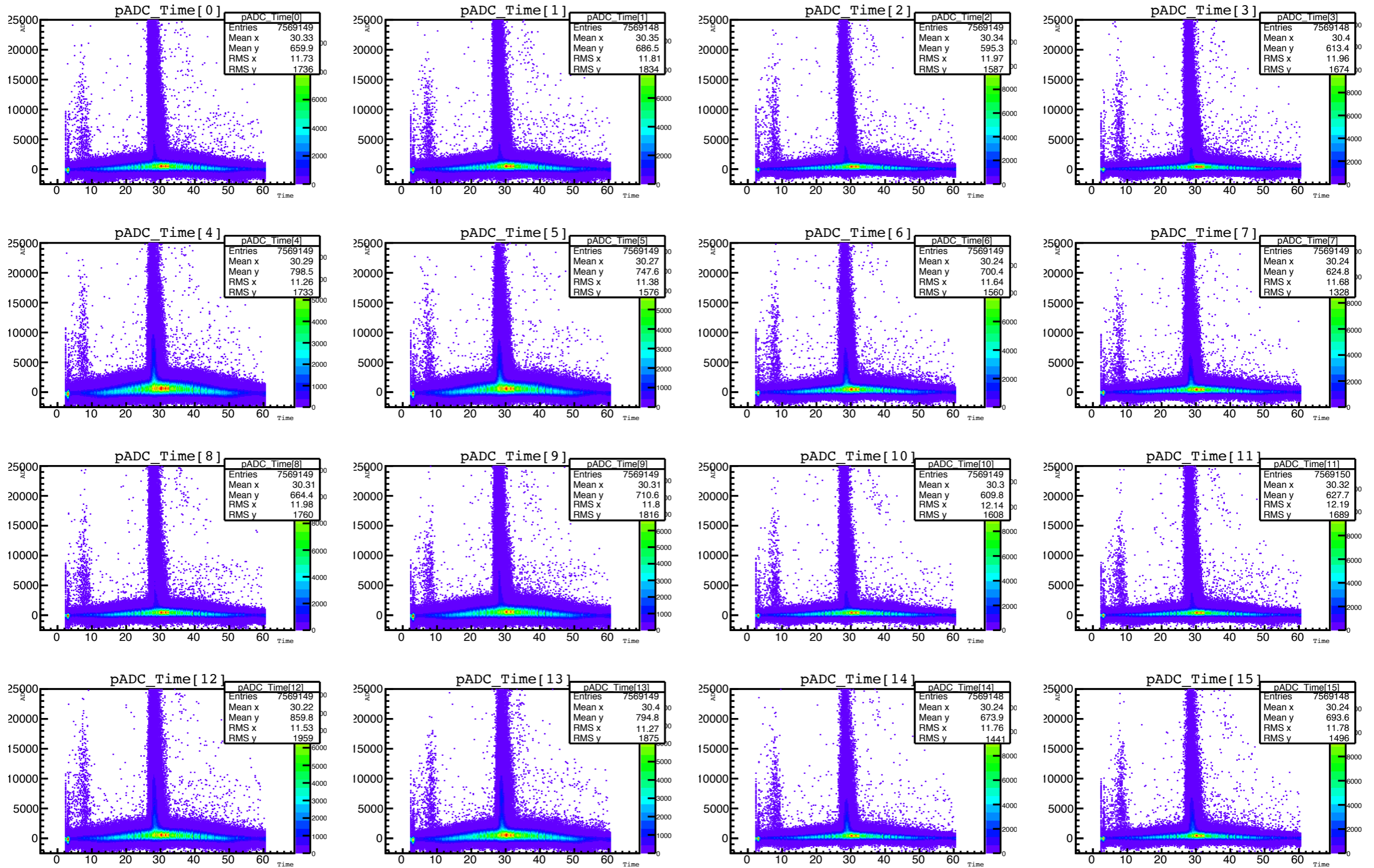
# DCV1 (No cut)



# DCV1 (No cut)



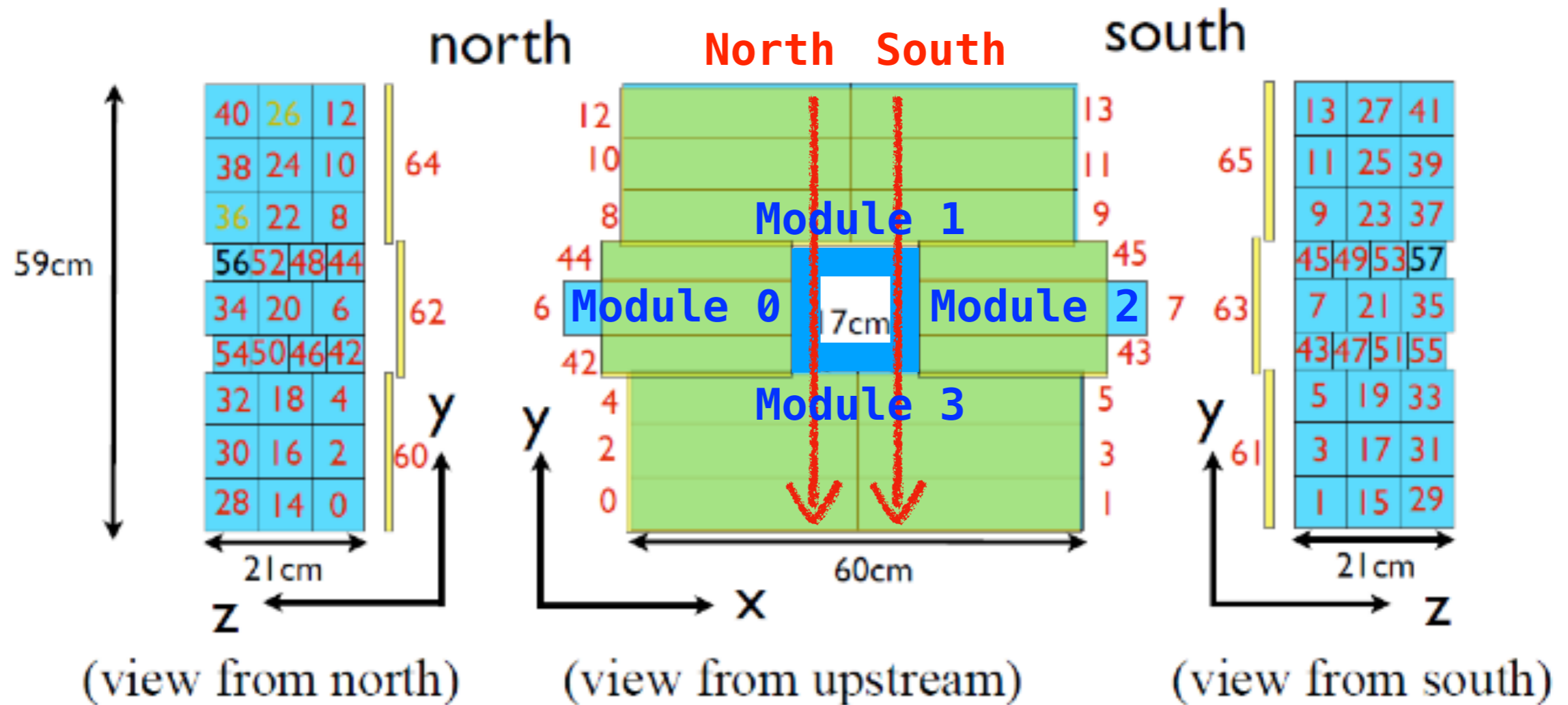
# DCV1 (No cut)



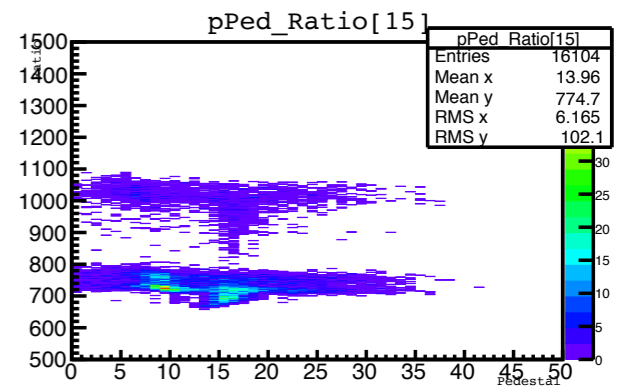
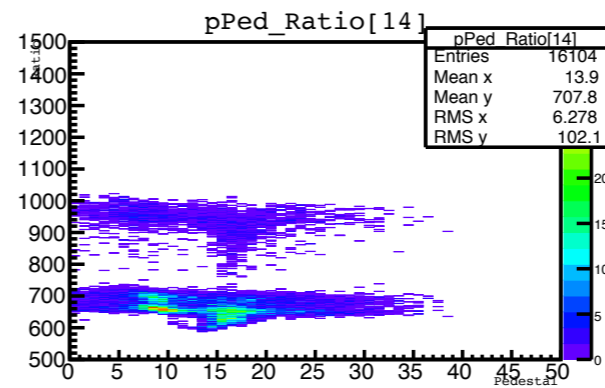
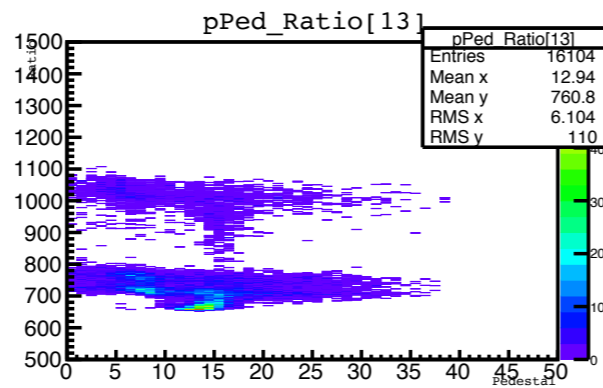
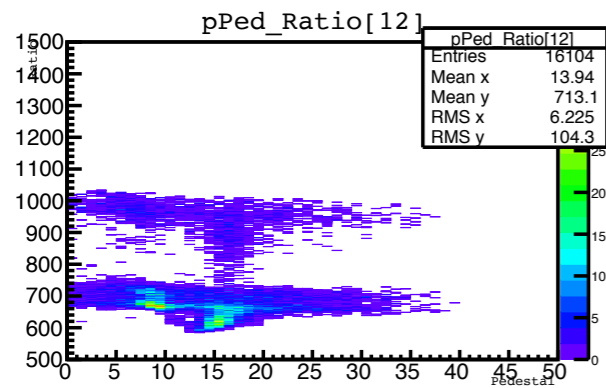
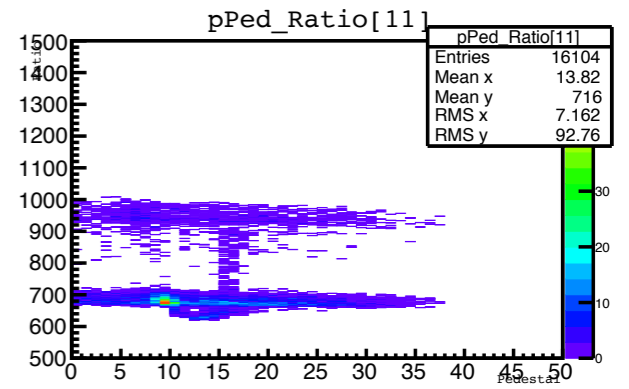
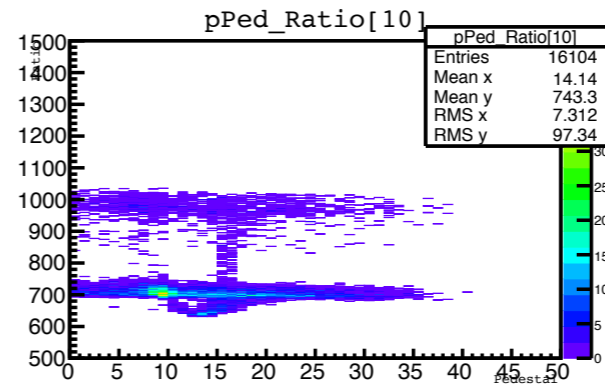
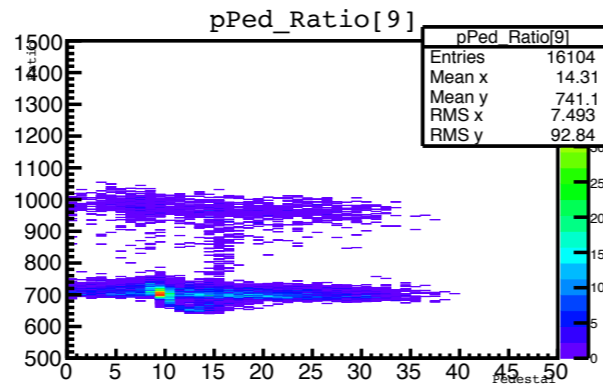
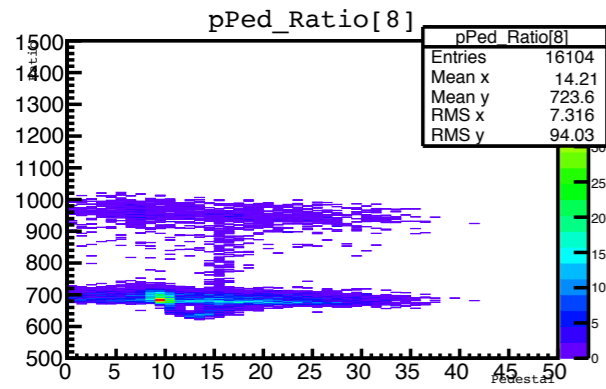
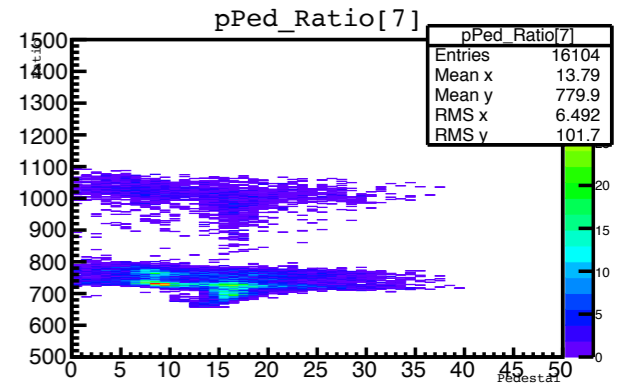
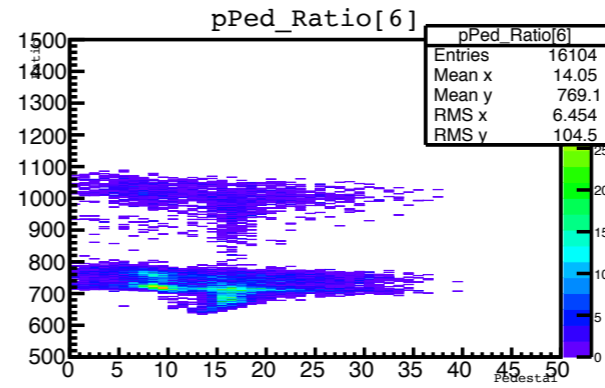
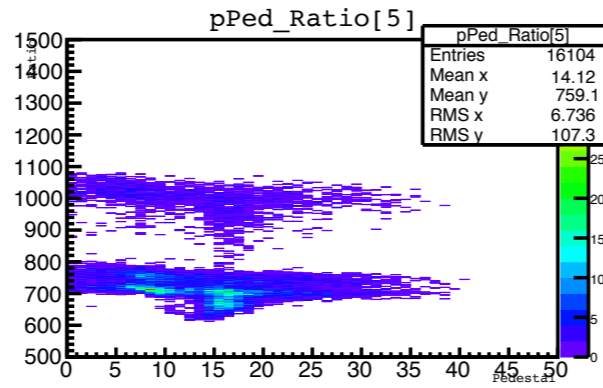
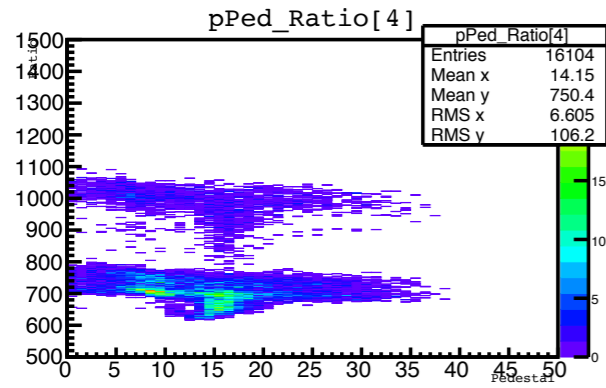
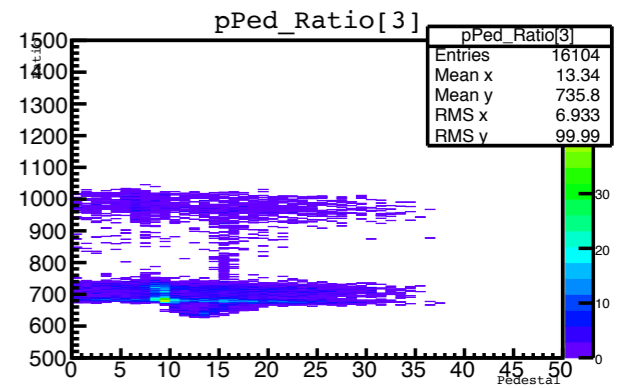
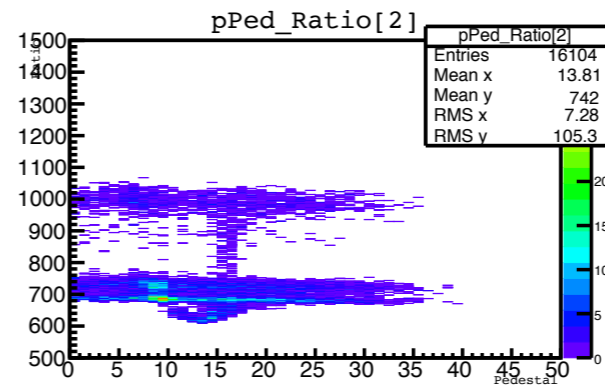
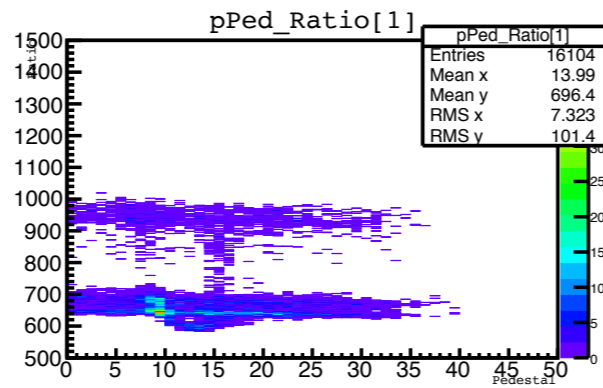
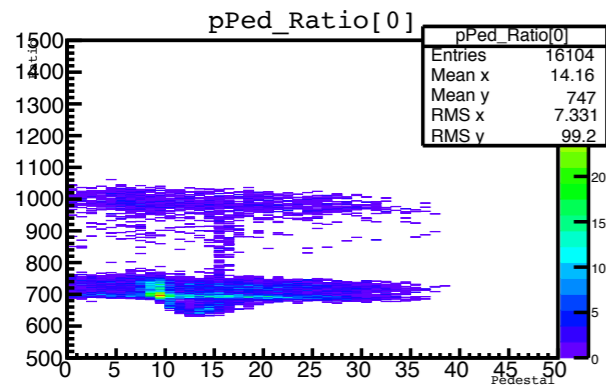
# CC04

number=CC04ModID  
 (with amp channel)  
 (dead channel)

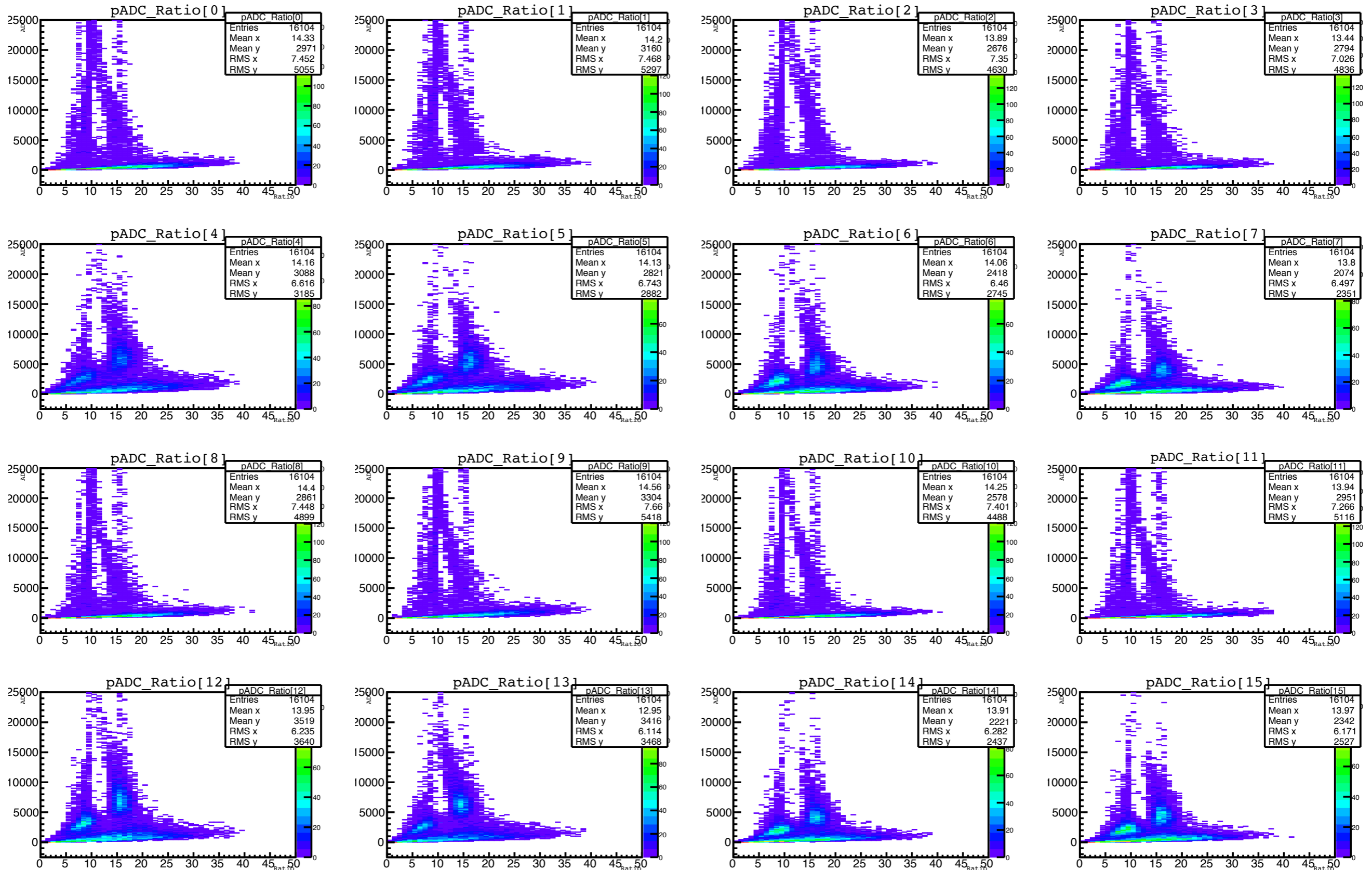
- 42 CsI crystals of 70×70×300mm,  
 16 CsI crystals of 50×50×250mm,  
 4 scintillator of thickness 10mm



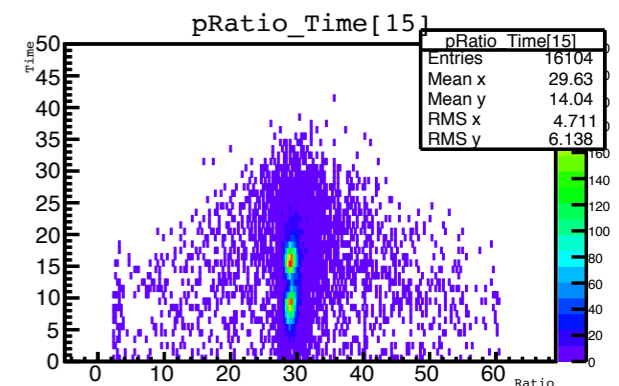
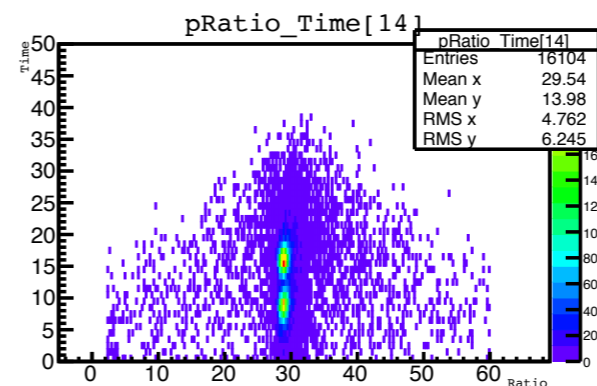
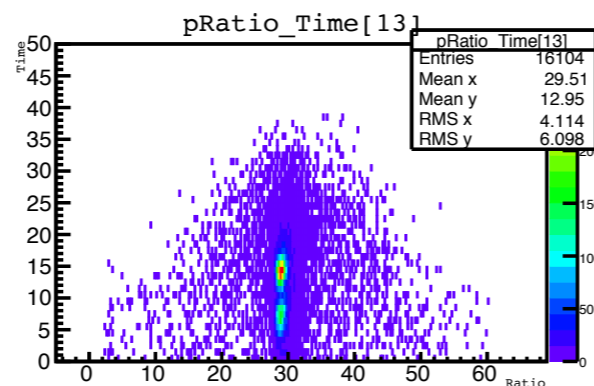
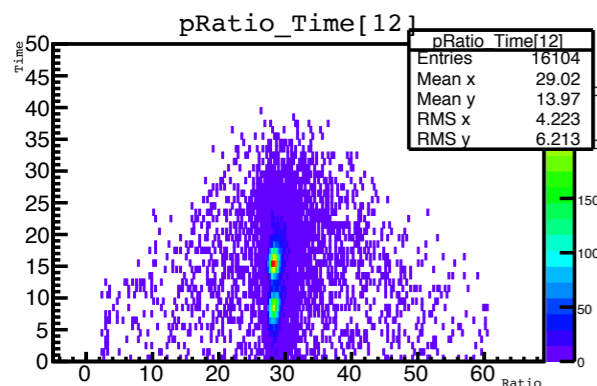
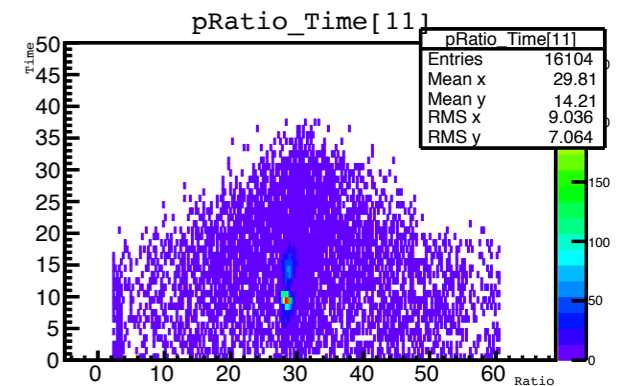
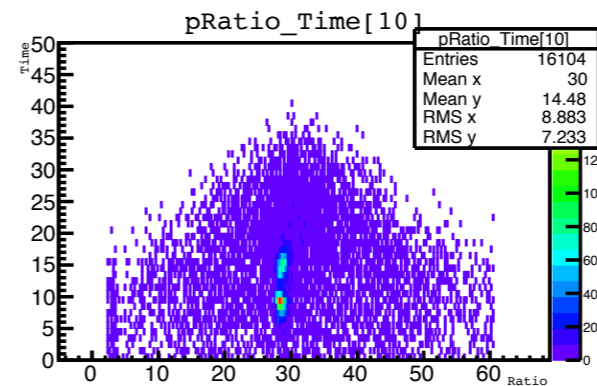
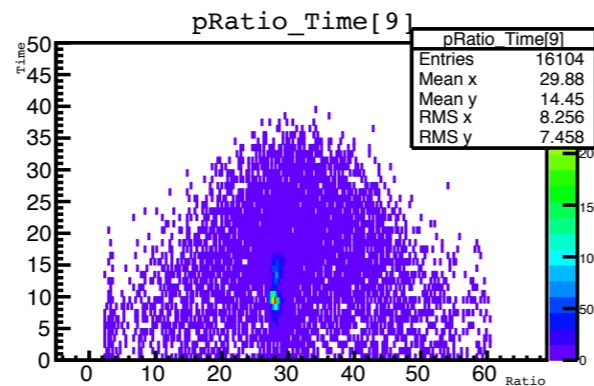
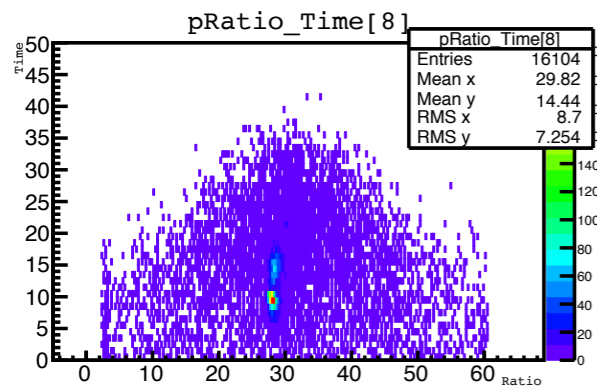
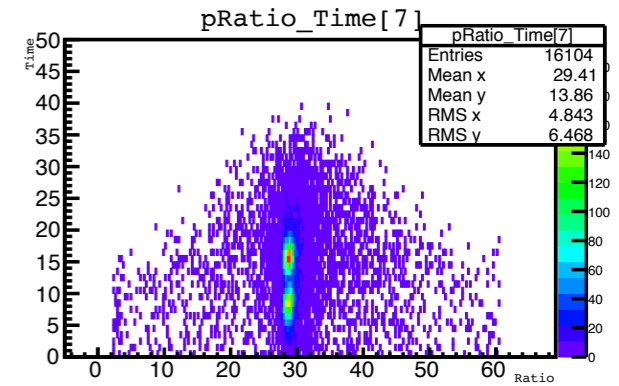
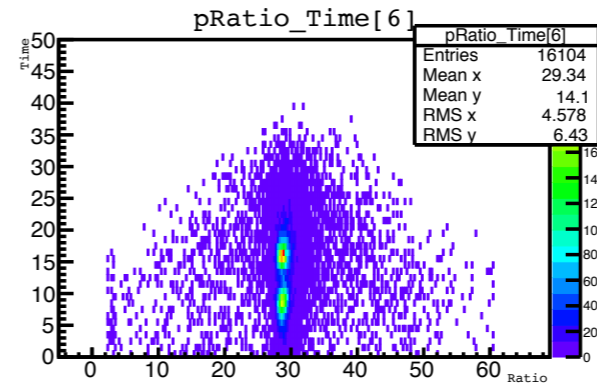
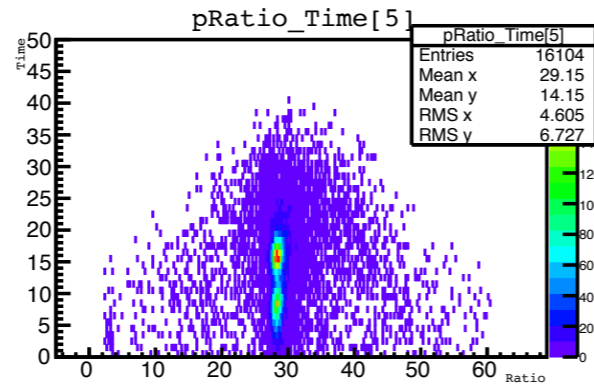
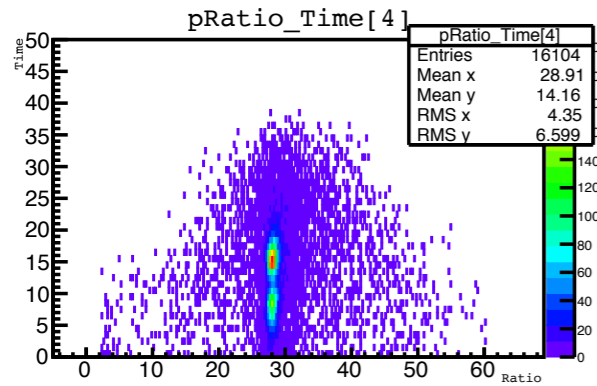
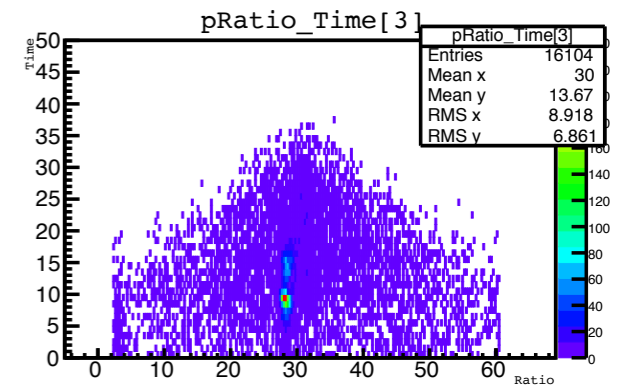
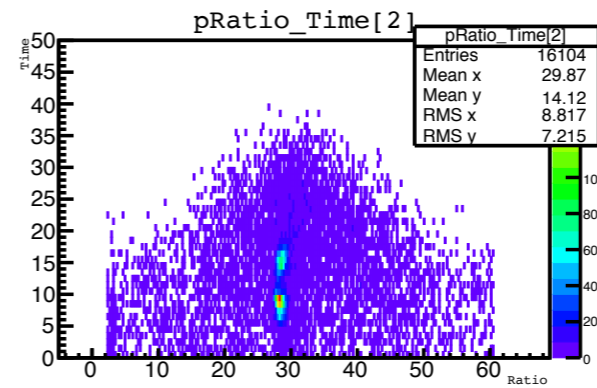
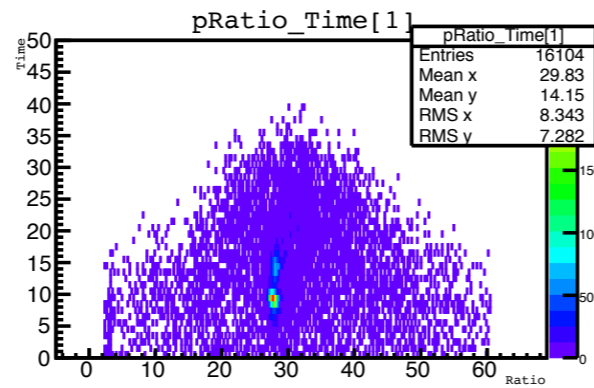
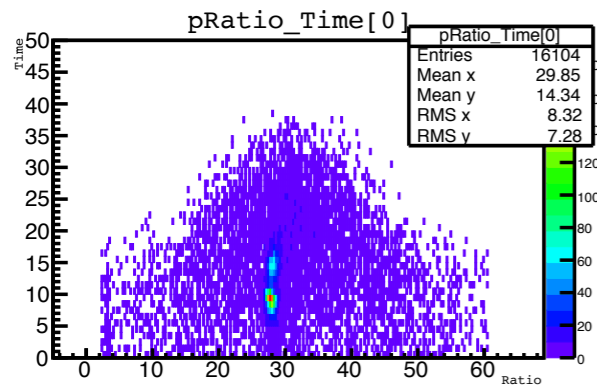
# DCV1 (North & South Cut)



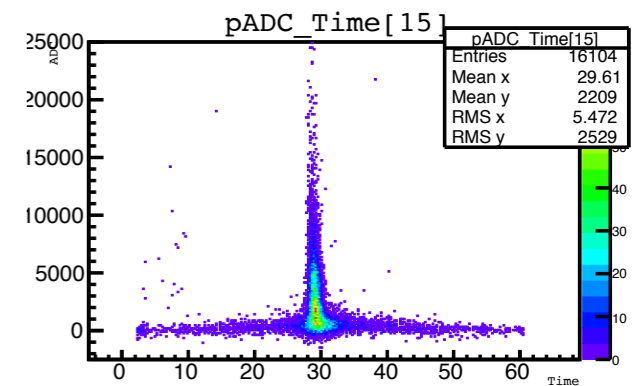
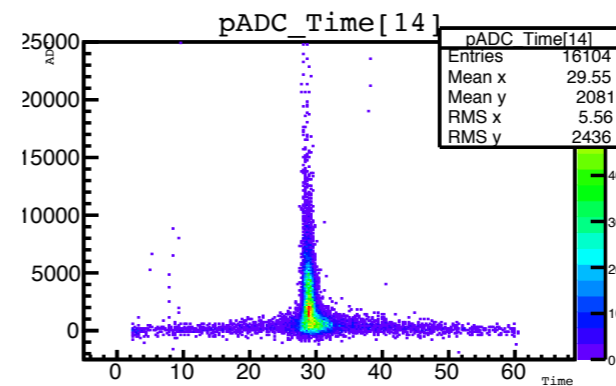
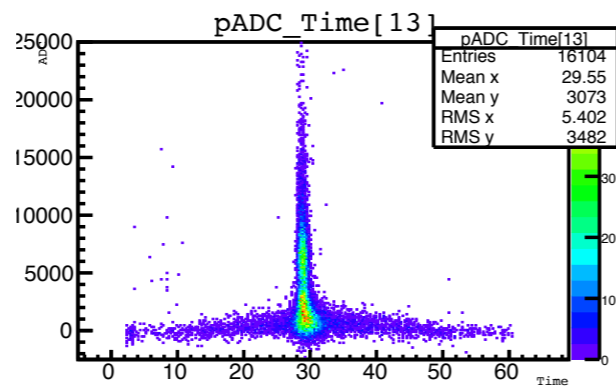
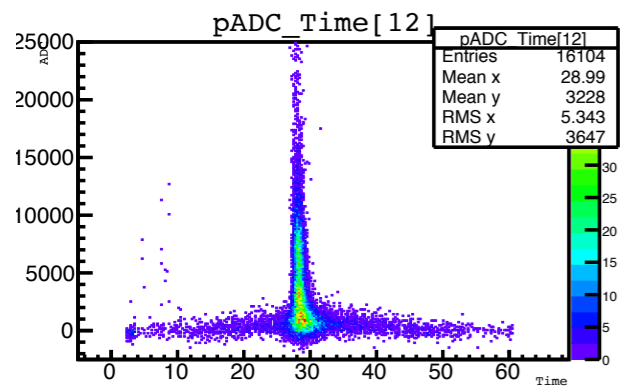
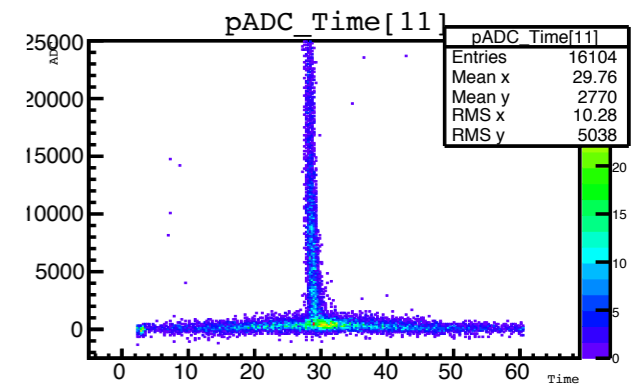
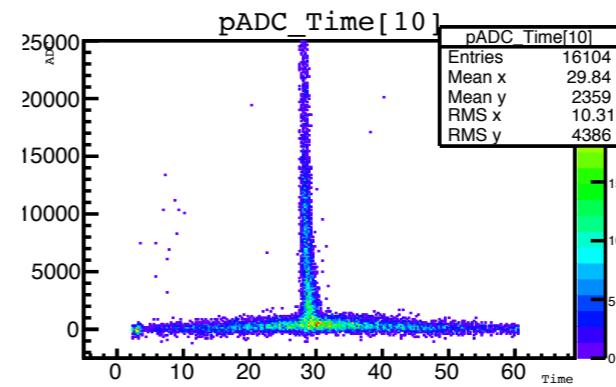
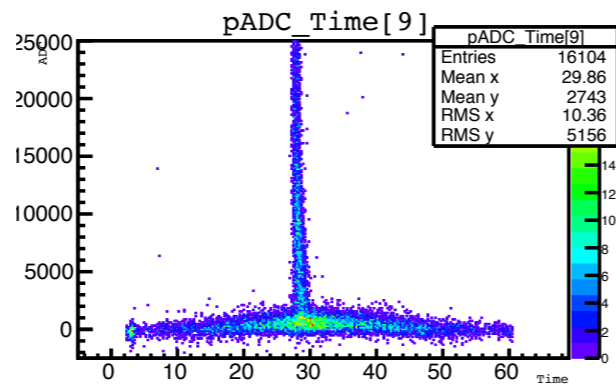
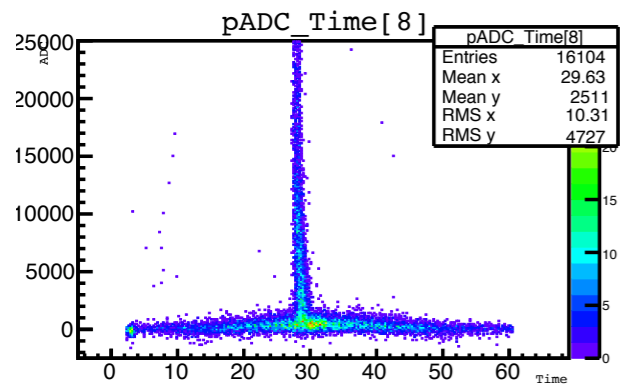
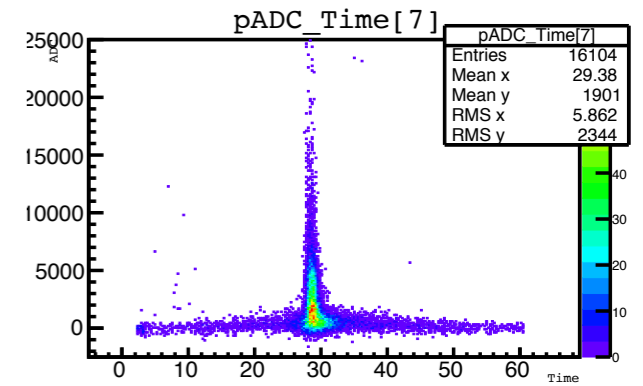
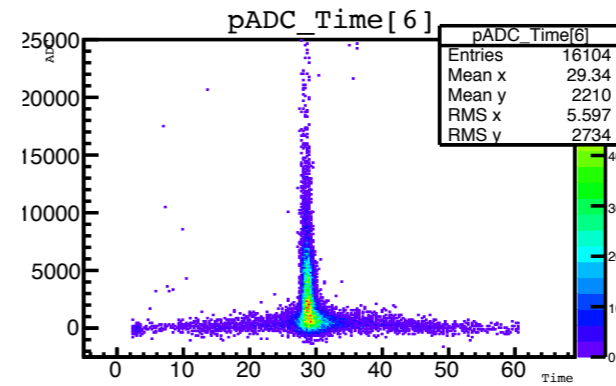
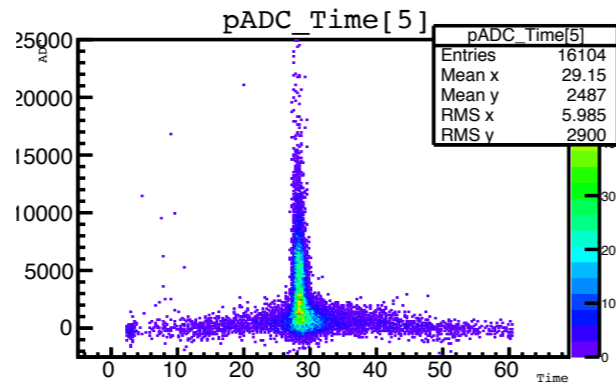
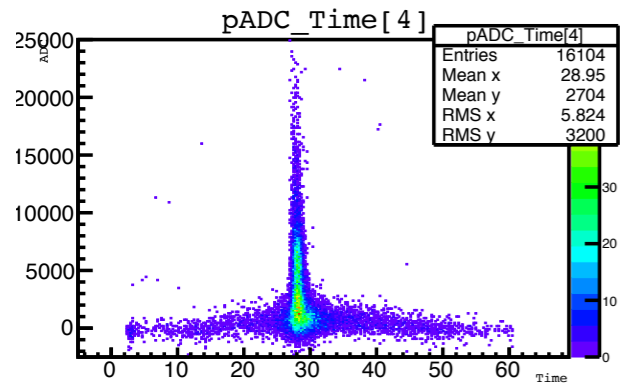
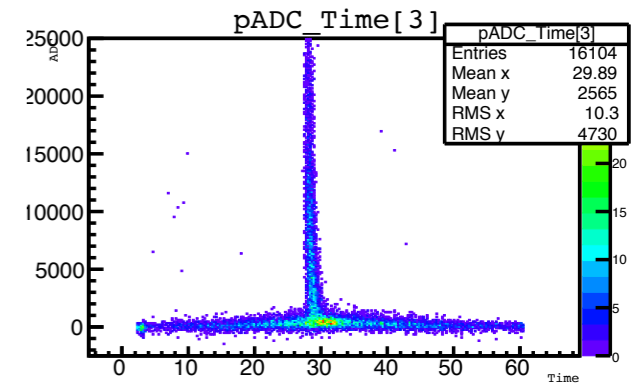
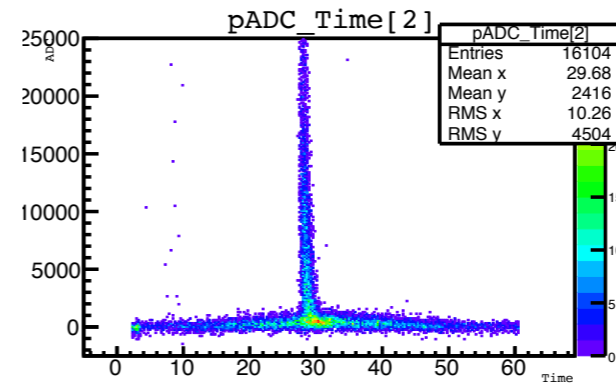
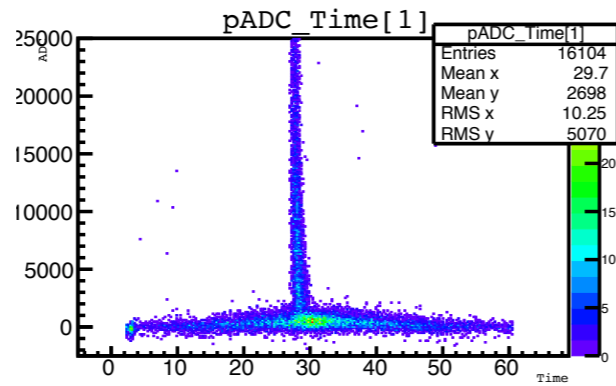
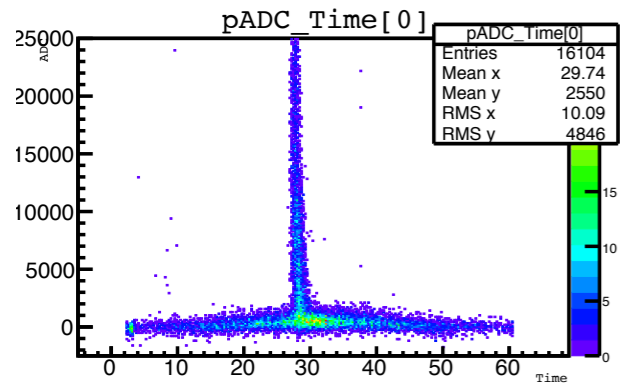
# DCV1 (North & South Cut)



# DCV1 (North & South Cut)

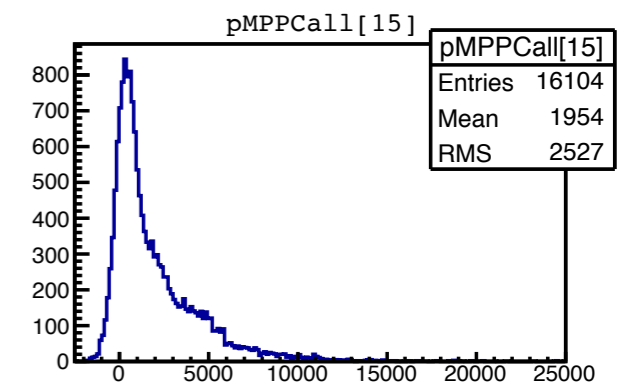
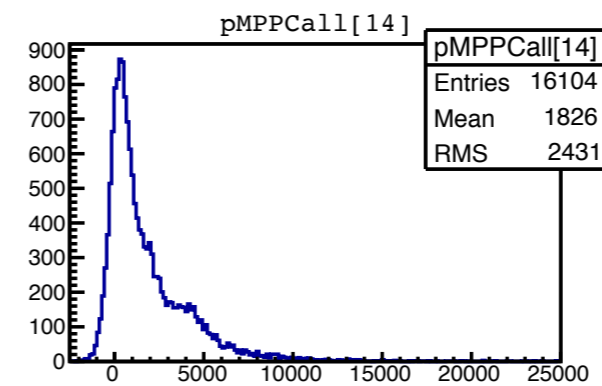
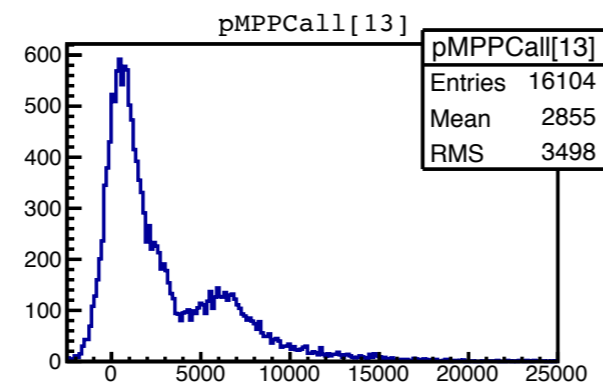
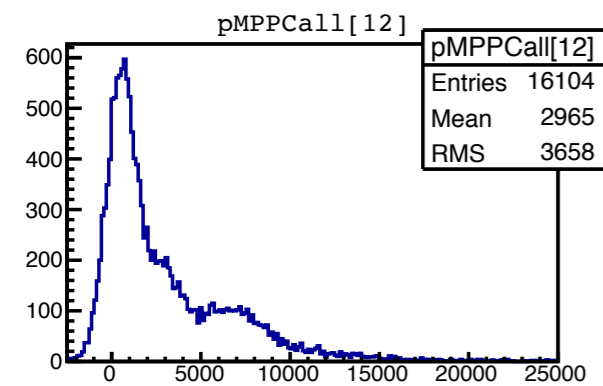
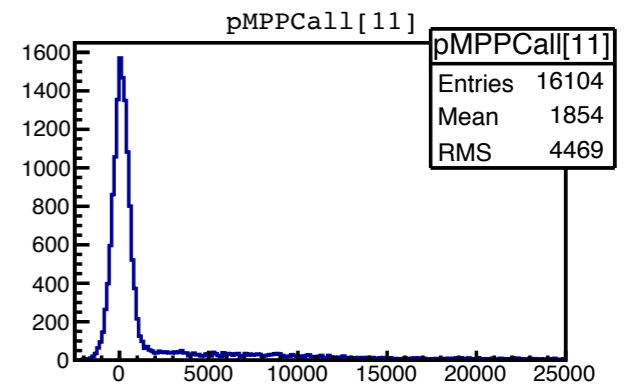
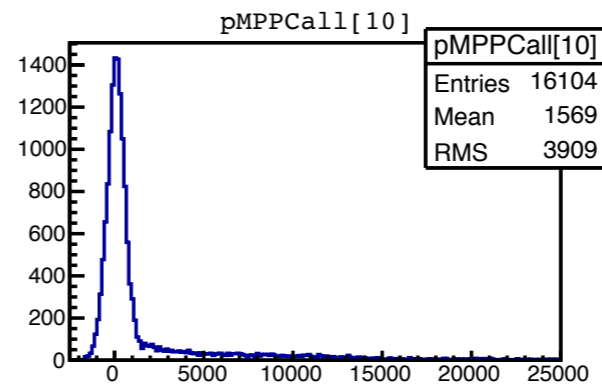
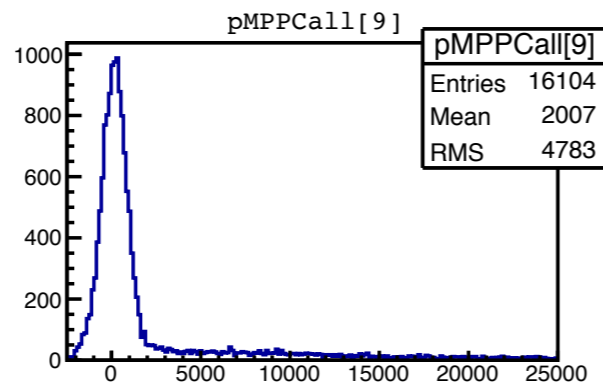
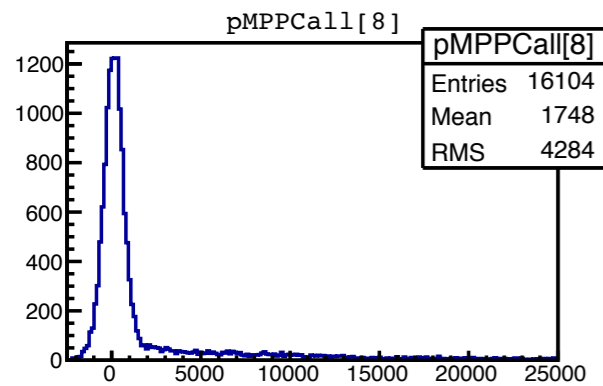
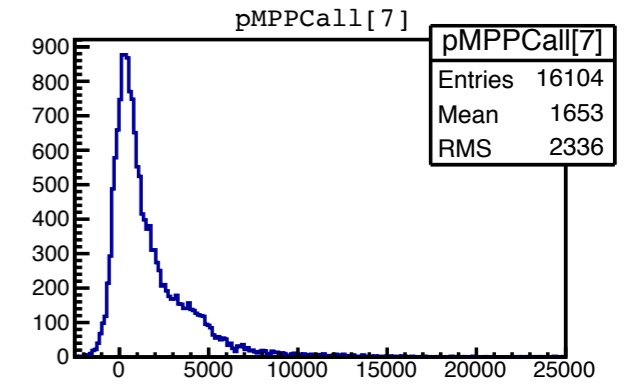
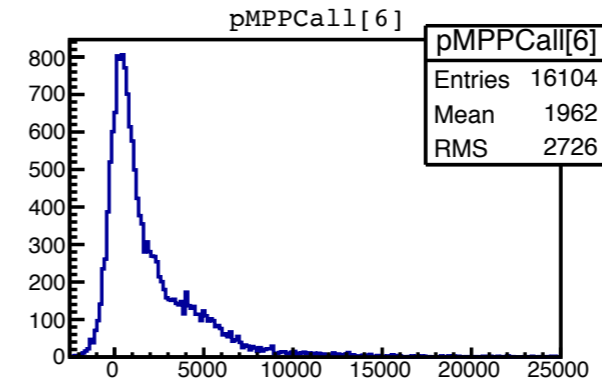
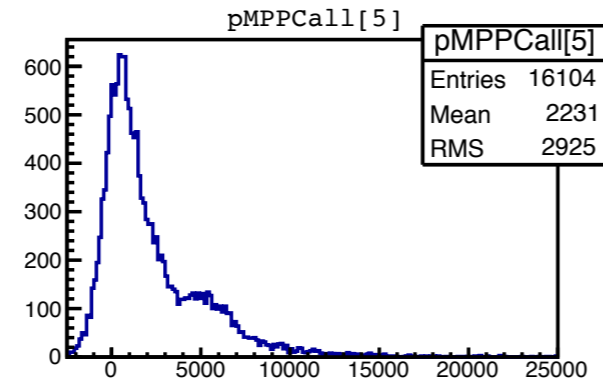
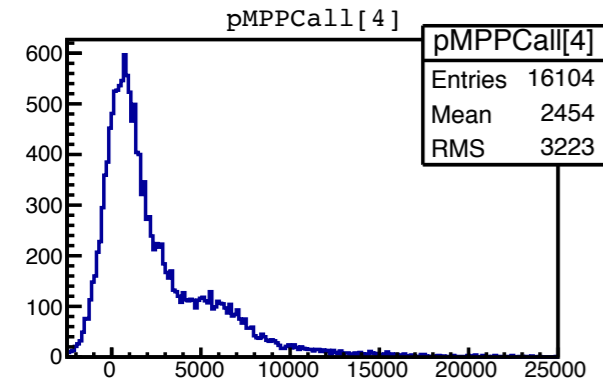
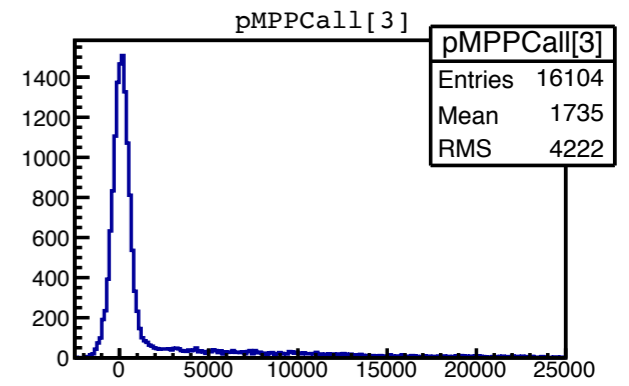
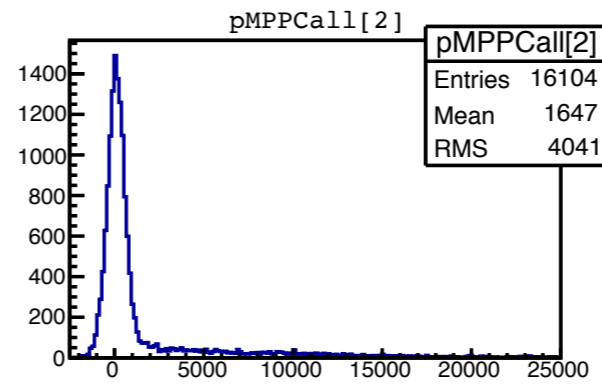
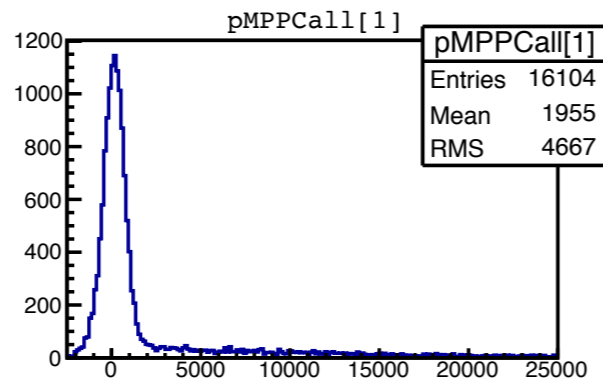
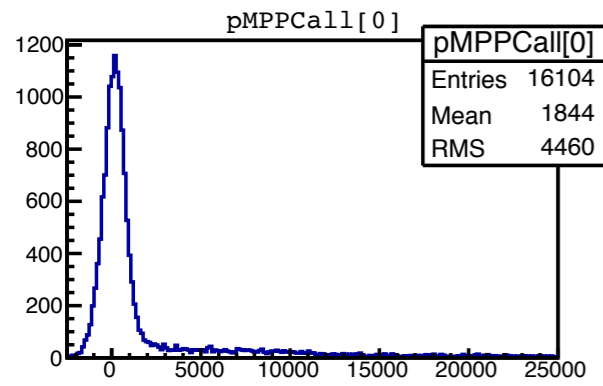


# DCV1 (North & South Cut)





# DCV1 (North & South Cut)

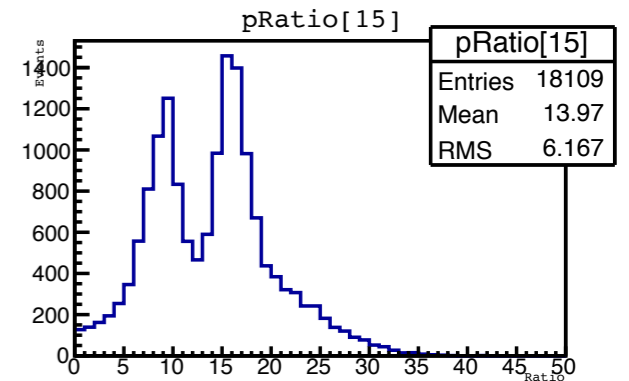
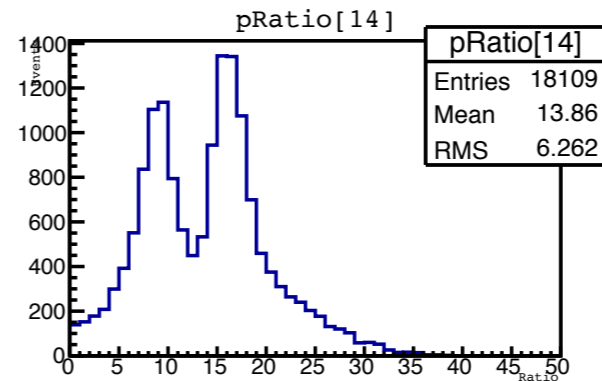
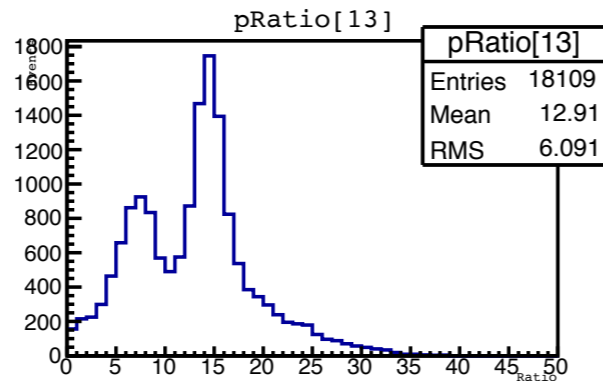
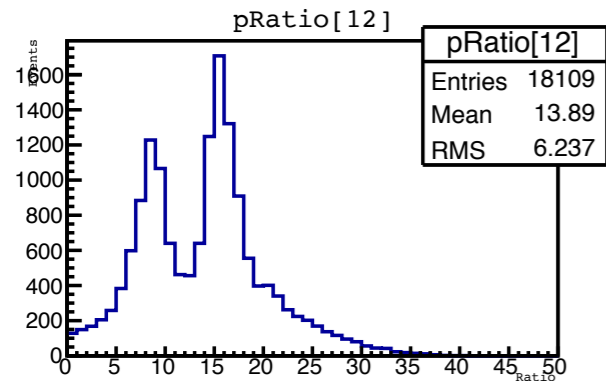
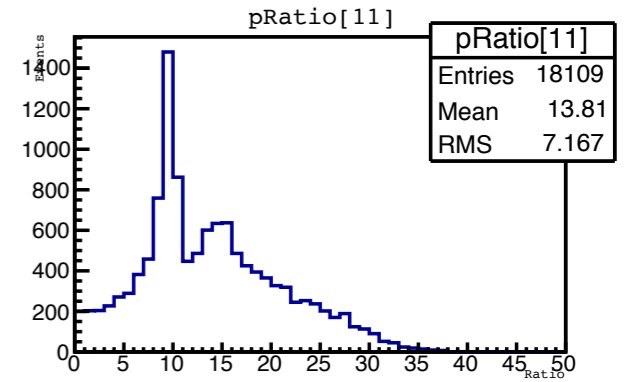
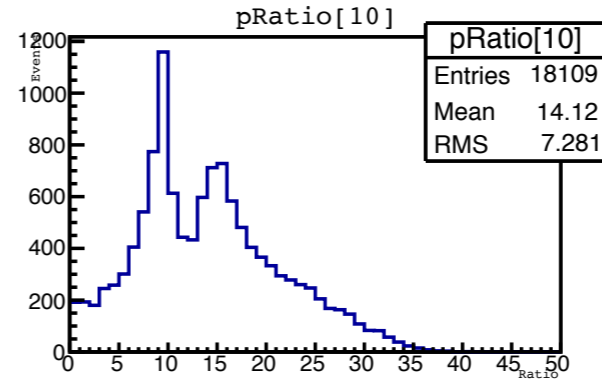
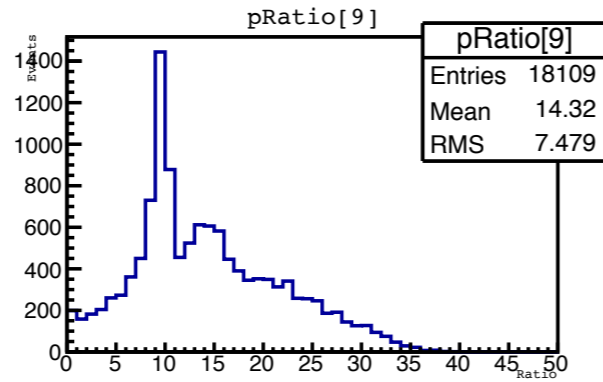
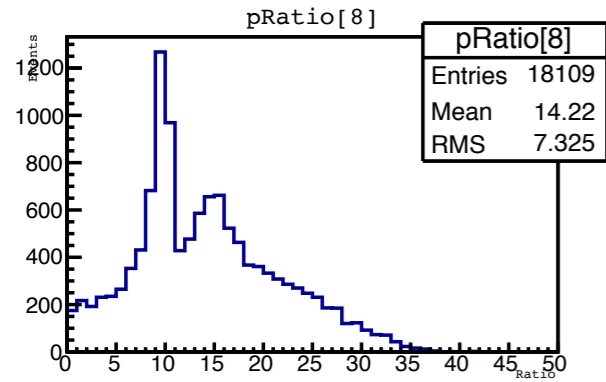
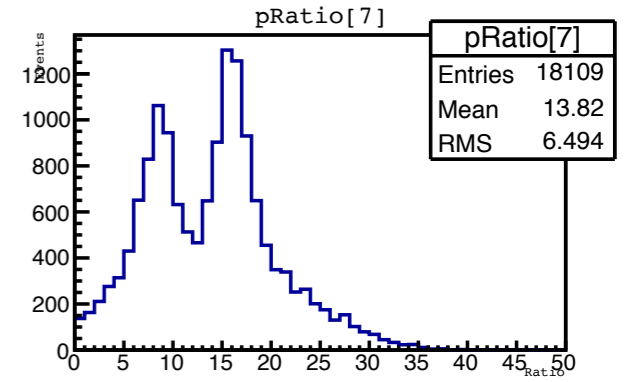
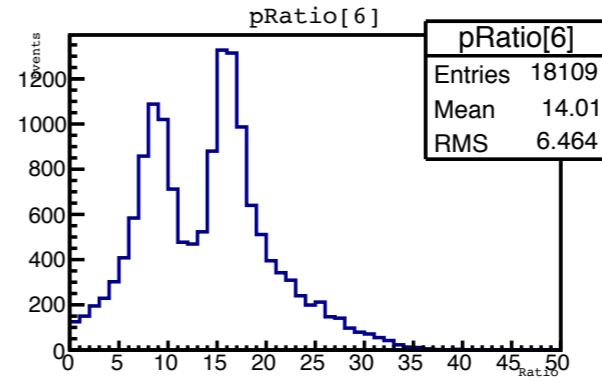
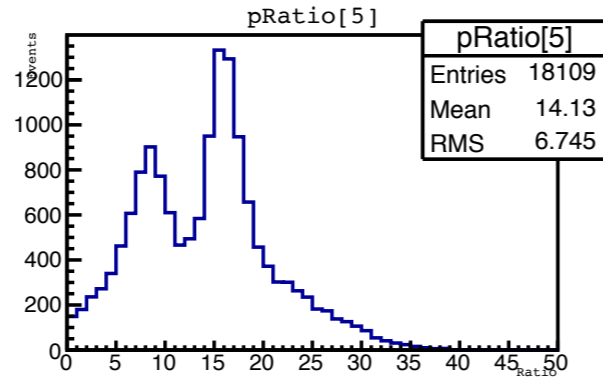
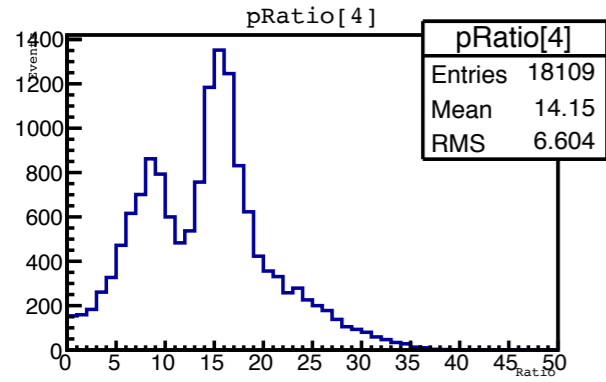
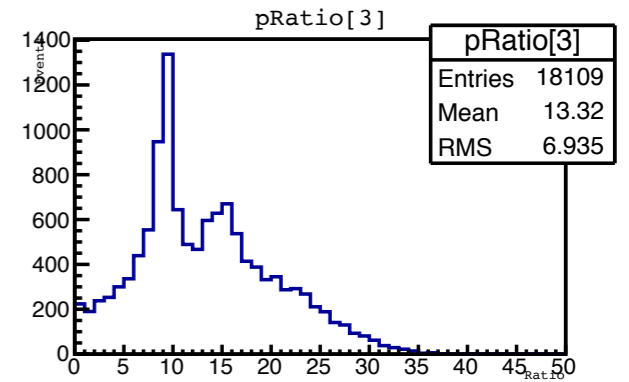
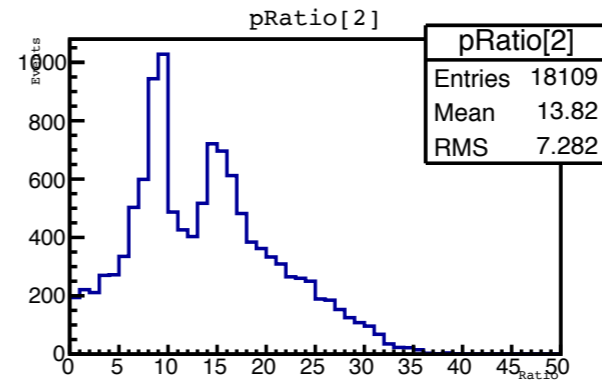
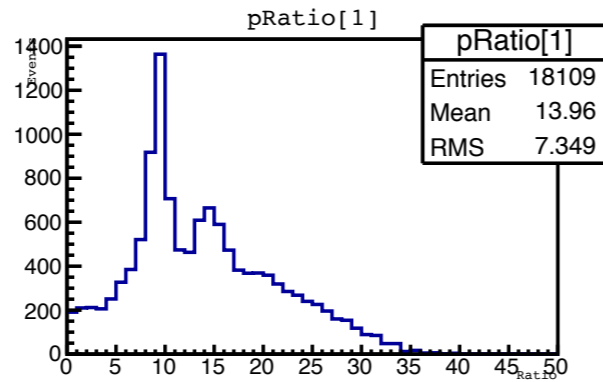
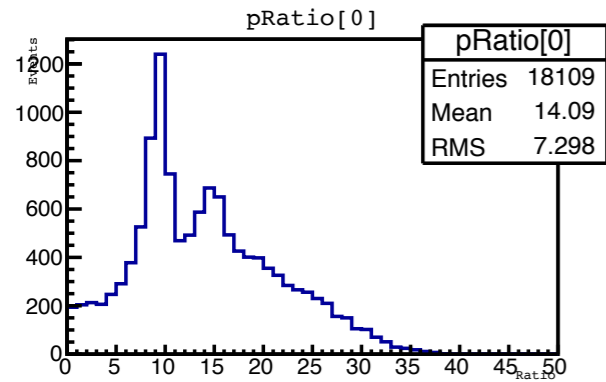


# Final Run Selection

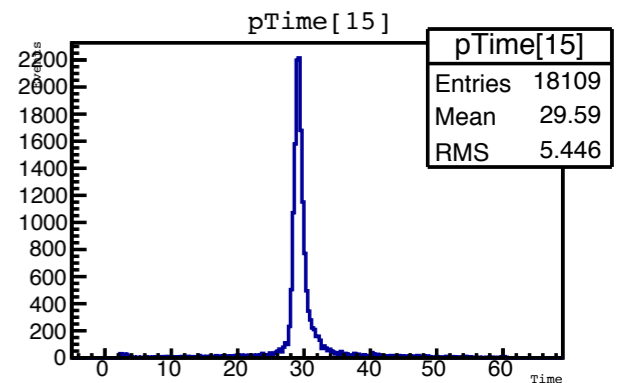
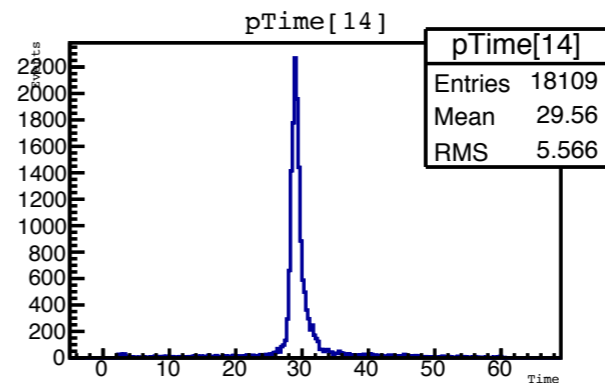
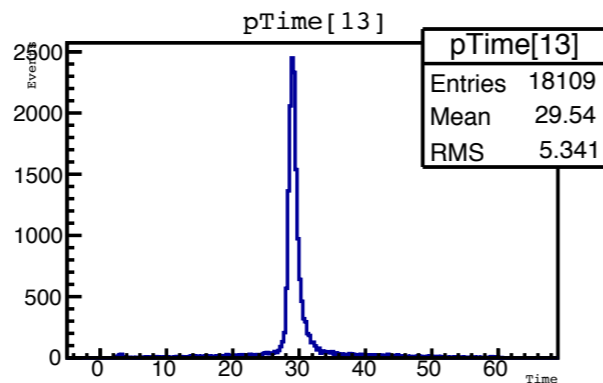
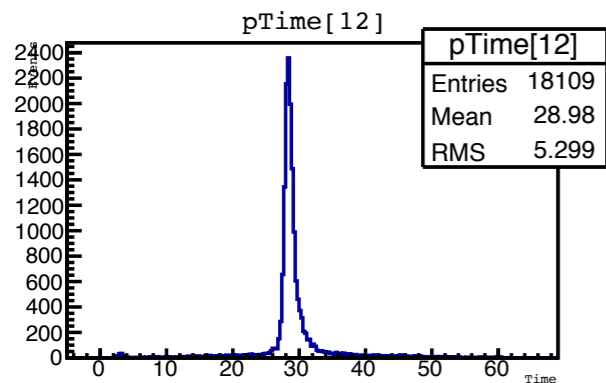
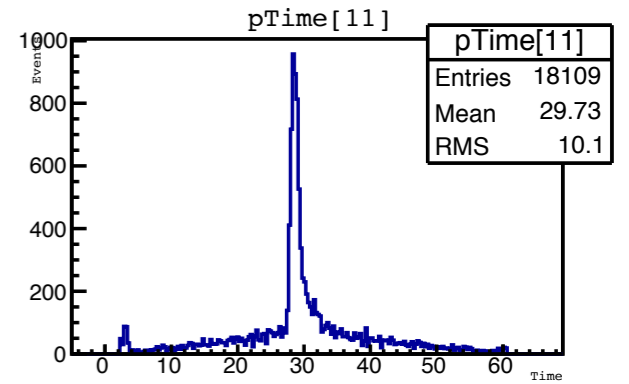
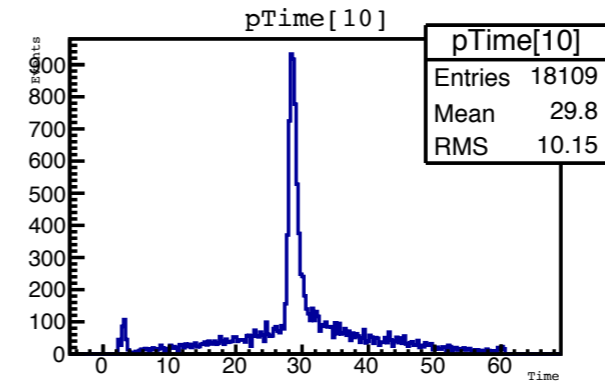
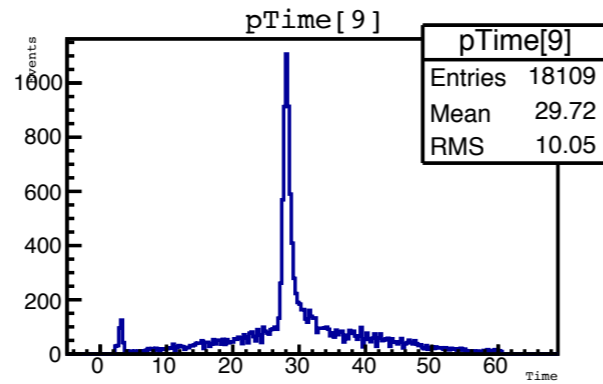
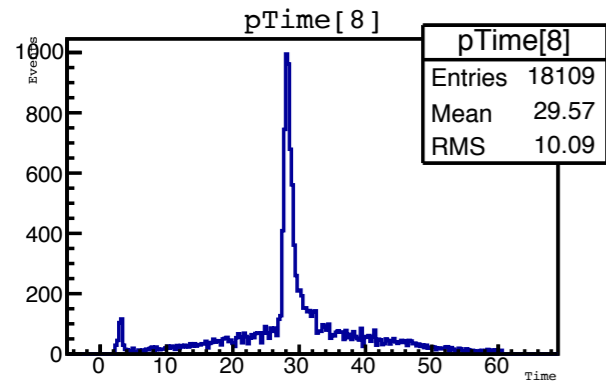
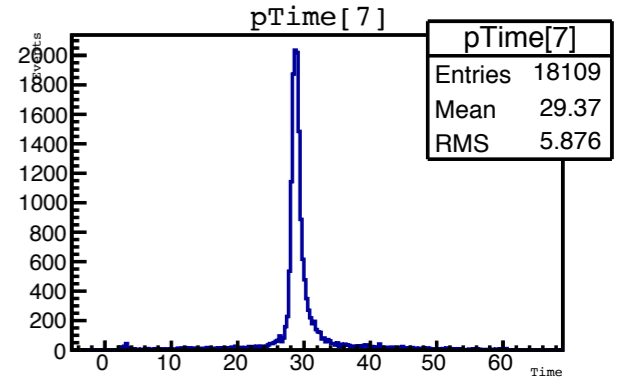
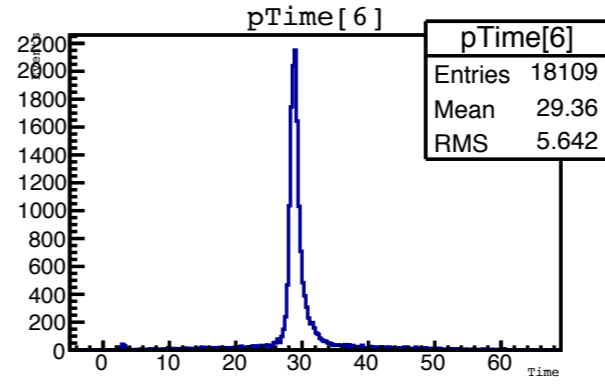
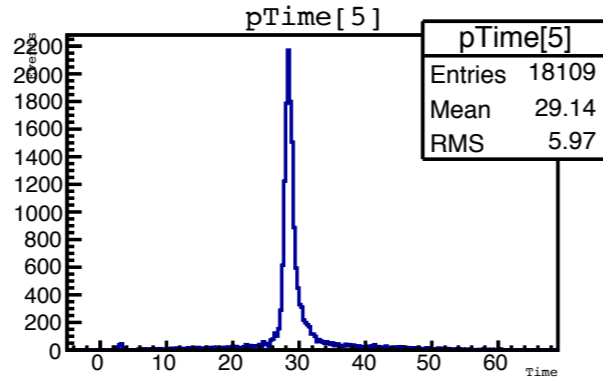
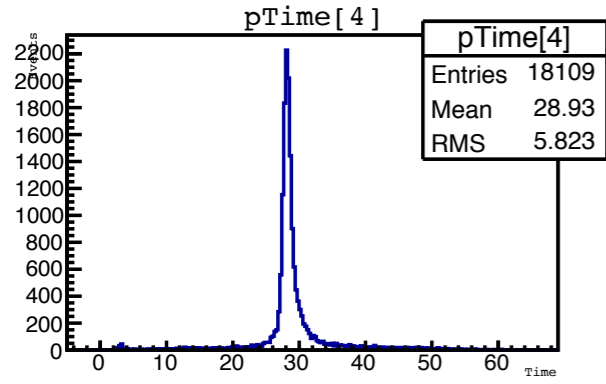
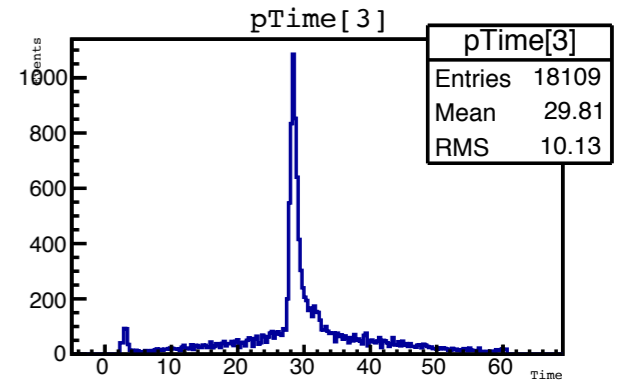
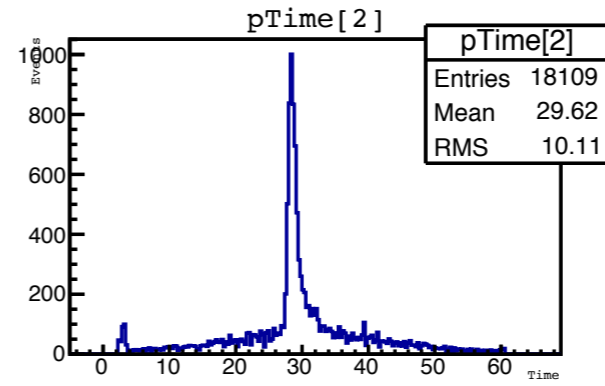
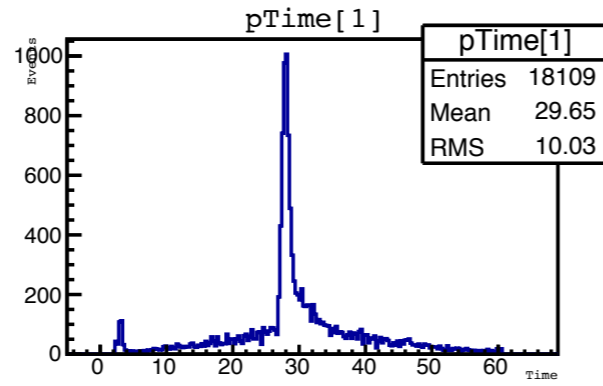
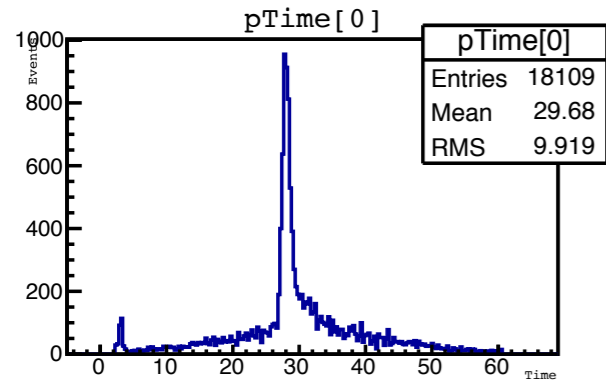
Cosmic_PS_CSI_PartOfVetos	Cosmic_TightPS	Cosmic_TightPS_IBTrig
30782	31240	31374
30783	31241	31375
30784	31242	31376
30785	31243	31377
30786	31244	31378
30787	31245	31379
30910	31246	31380
30911	31247	31381
30956	31364	31382
31011	31373	31383
31012	(10)	31384
31014		31385
31015		31386
31016		31387
31017		31388
31018		31389(Cosmic_TightPS_MBTrig)
31019		(16)
31020		
31021		
31022		
31023		
31024		
31025		
31026		
31027		
31028		
31029		
31030		
31031		
31032		
31033		
31034		
31035		
(33)		

# Ratio distribution (North & South Cut)

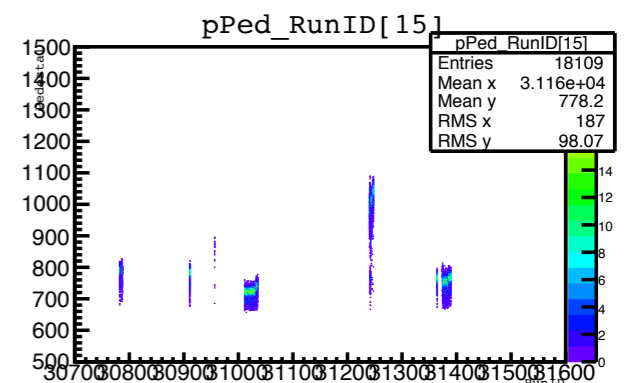
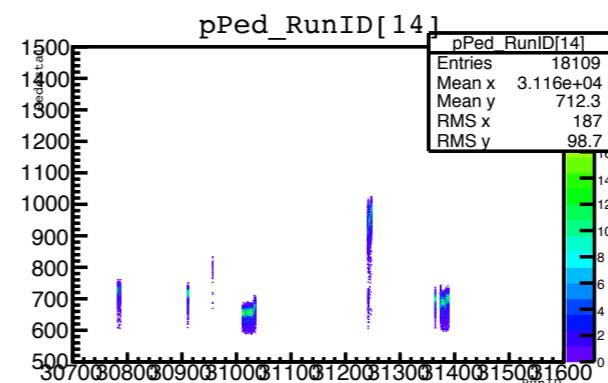
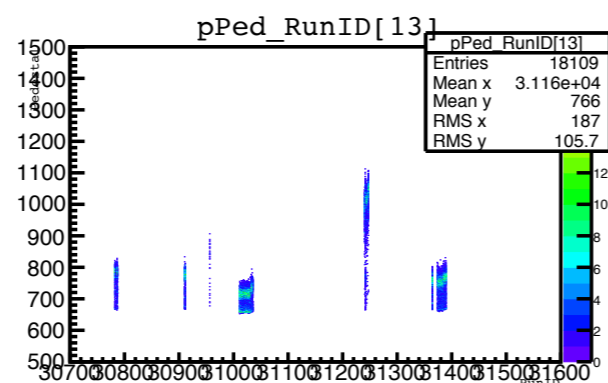
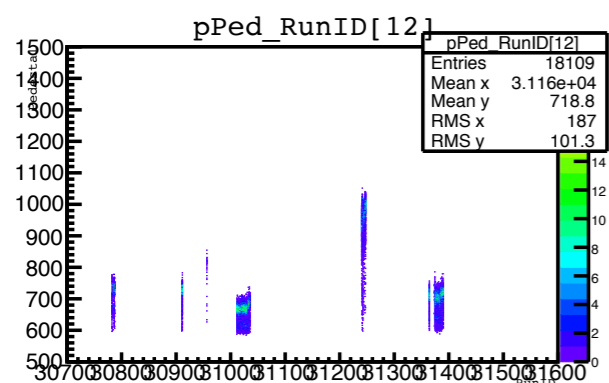
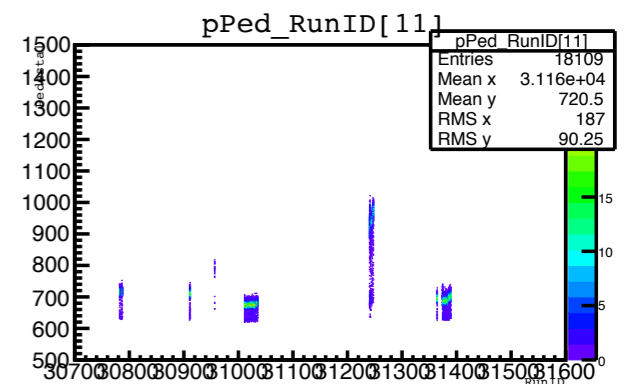
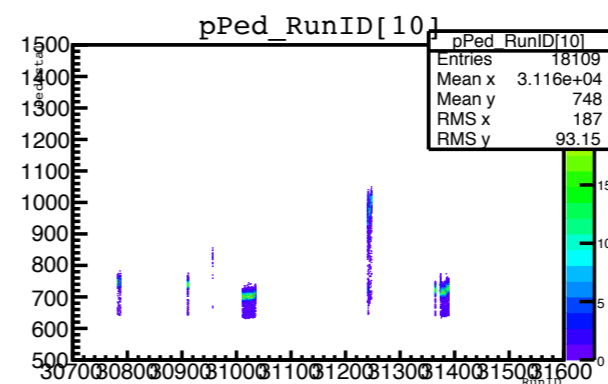
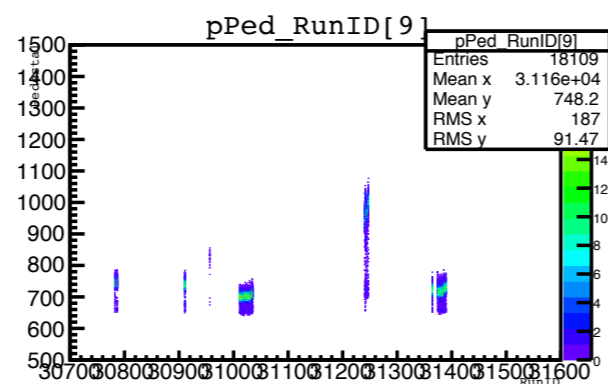
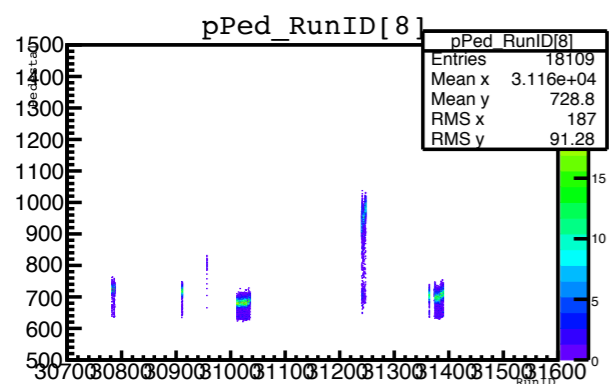
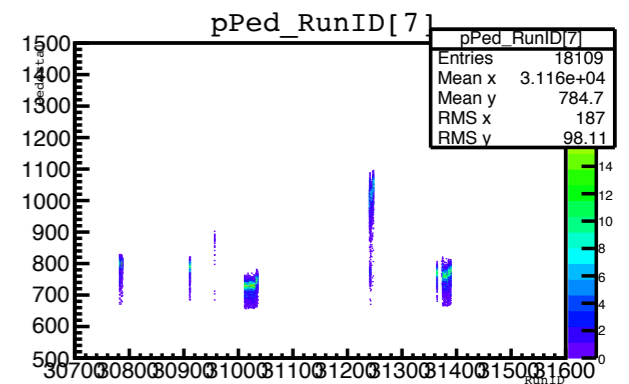
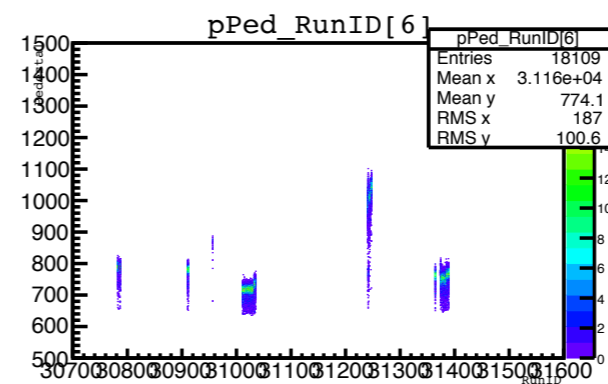
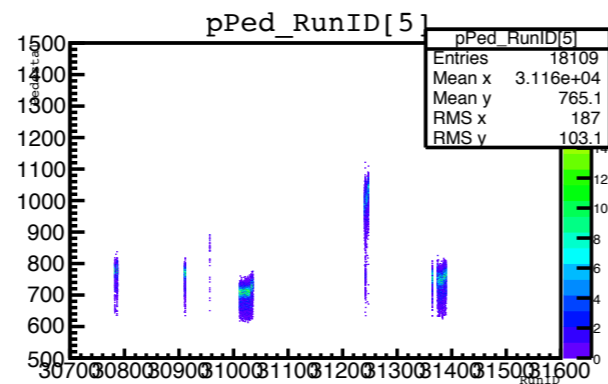
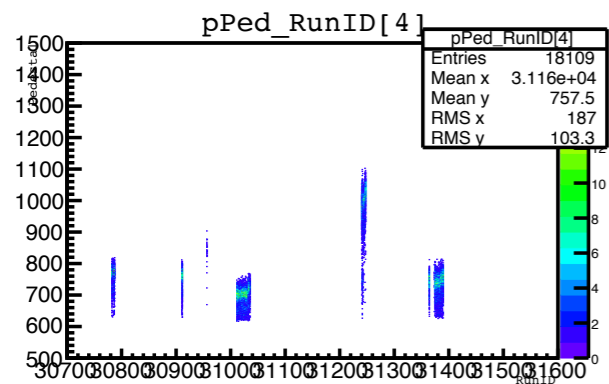
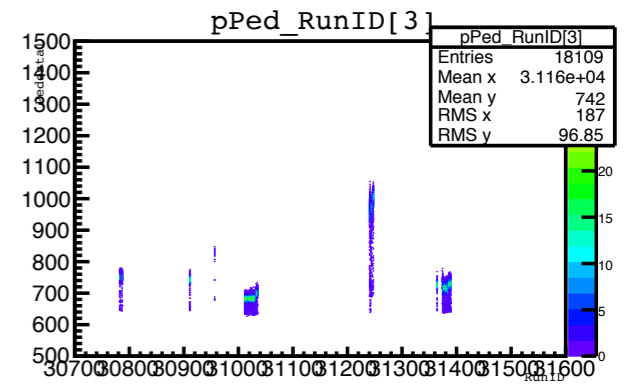
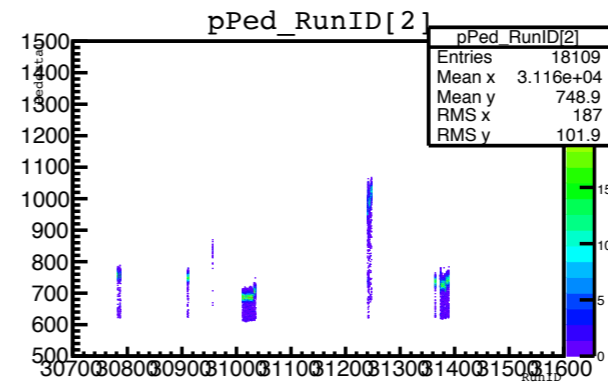
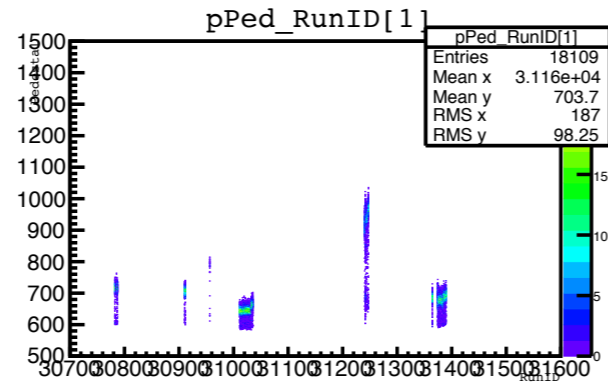
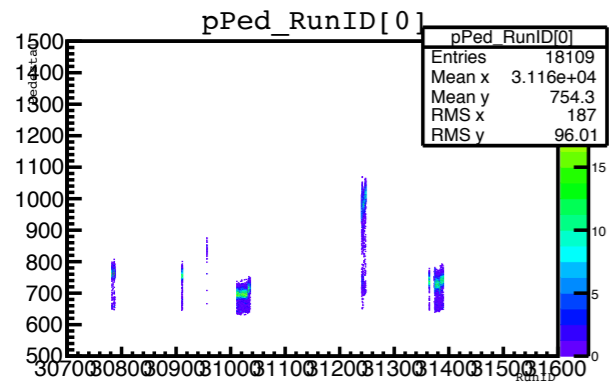
$$\text{Ratio} = \text{DCVIntegratedADC}[j] / \text{Peak}[j]$$



# Initial pTime distribution (North & South Cut)



# Pedestal\_RunID (North & South Cut)



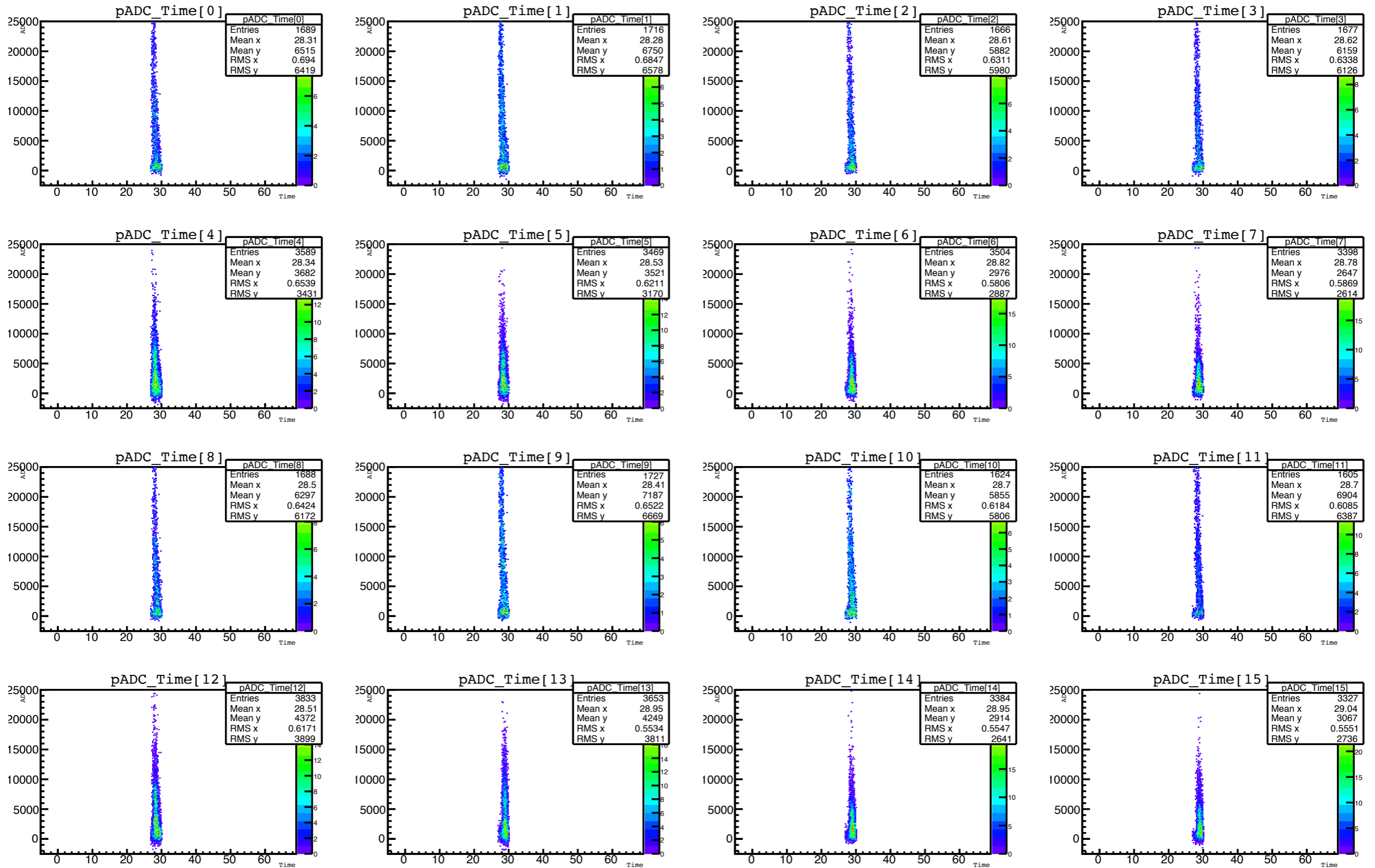
```
if( RunID < 31374 ) continue
```

```
Cosmic_TightPS_IBTrig
```

```
31374  
31375  
31376  
31377  
31378  
31379  
31380  
31381  
31382  
31383  
31384  
31385  
31386  
31387  
31388  
31389(Cosmic_TightPS_MBTrig)  
(16)
```

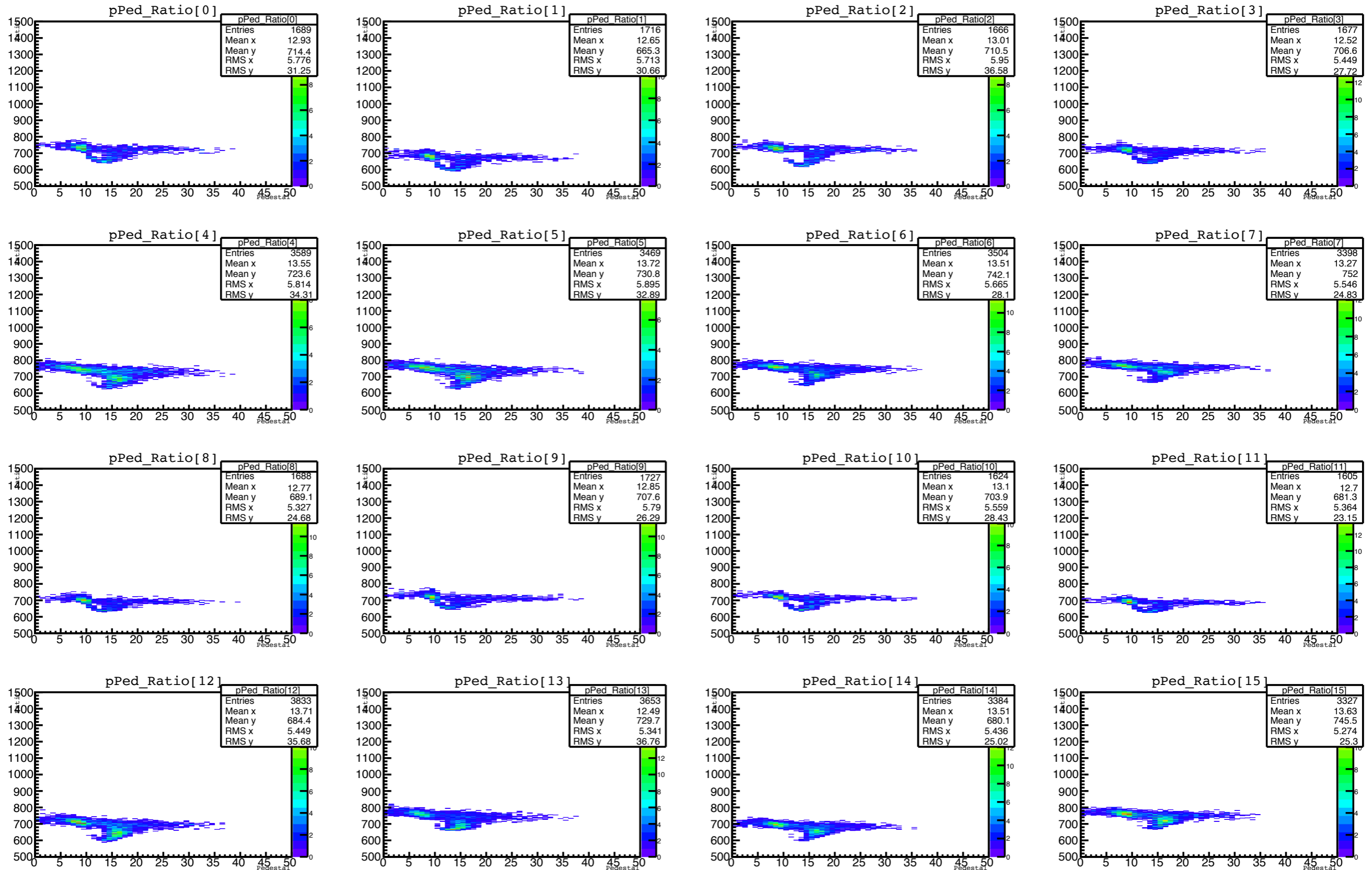
```
if( DCVInitialPTime[j] < 27 || DCVInitialPTime[j] > 30 ) continue;
```

# IntegratedADC : Time (North & South & RunID & Timing Cut)



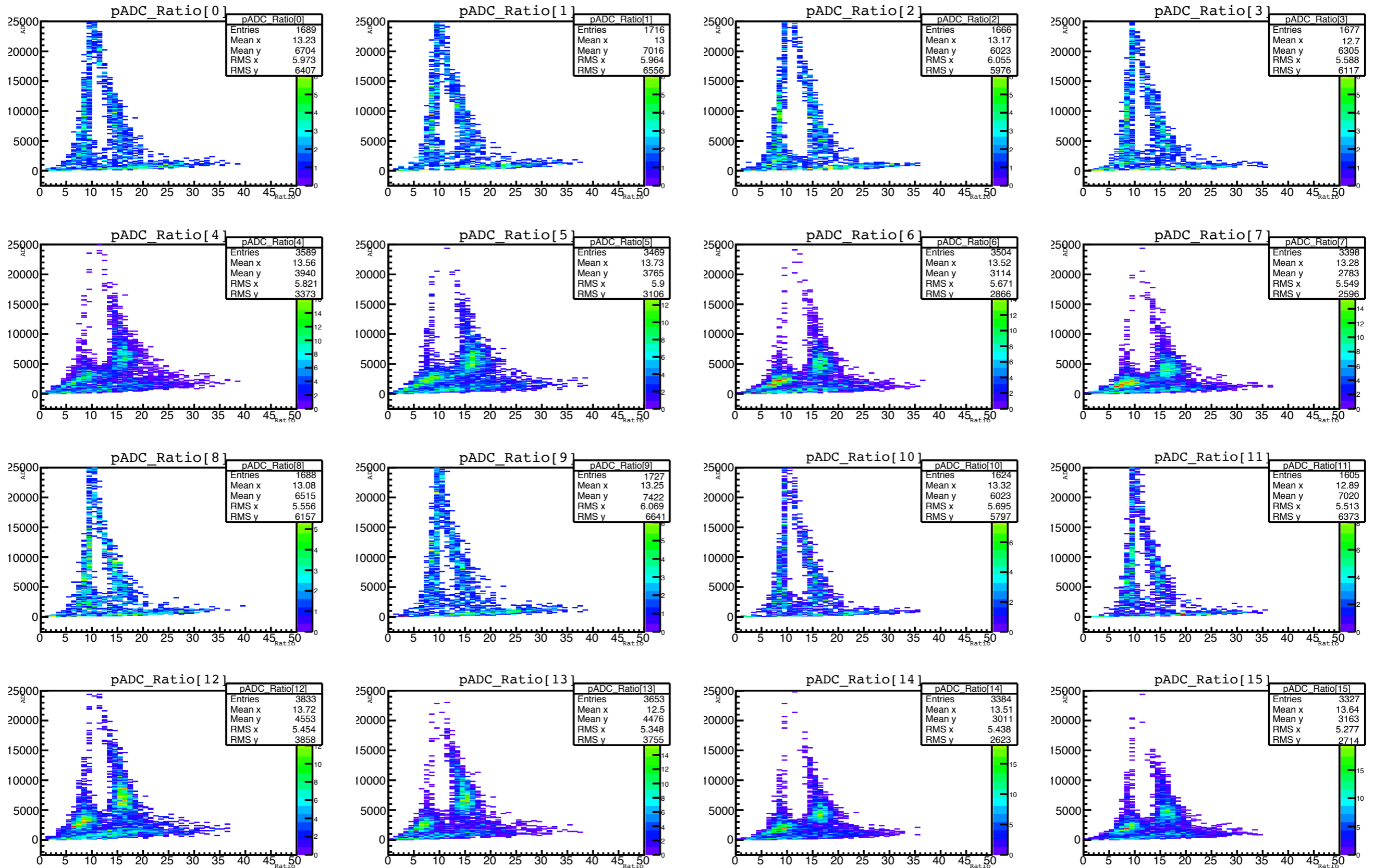
# Pedestal : Ratio

## (North & South & RunID & Timing Cut)

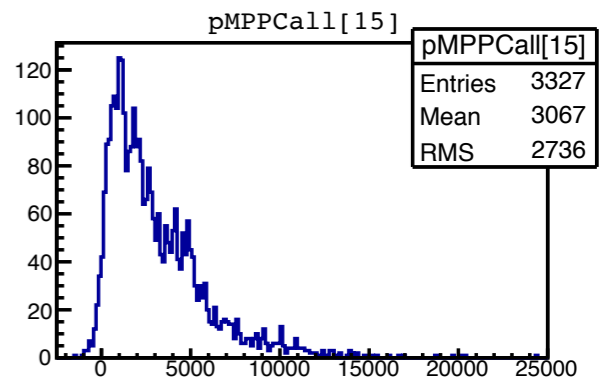
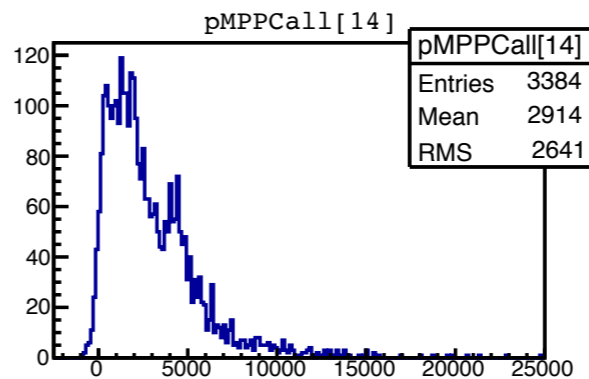
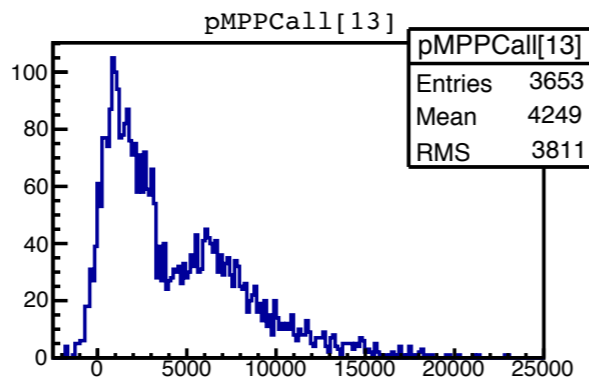
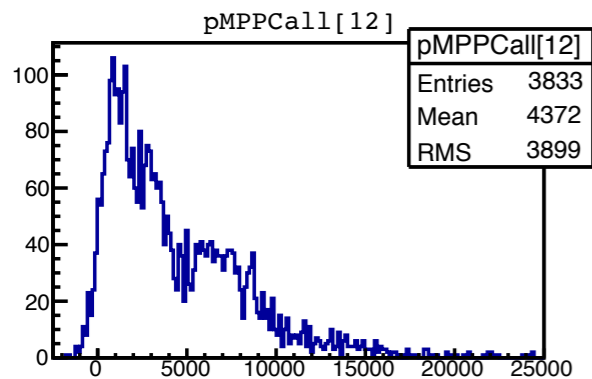
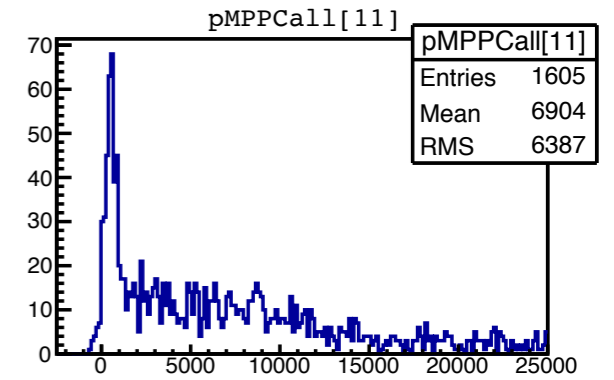
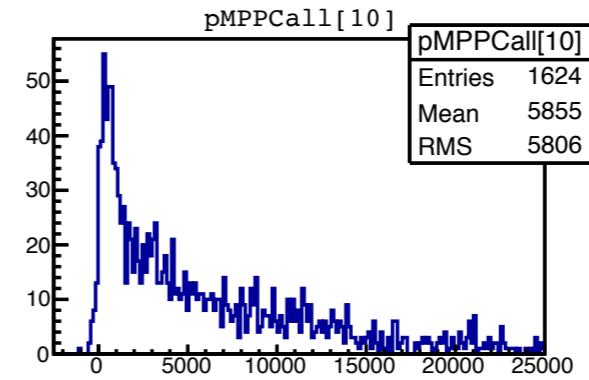
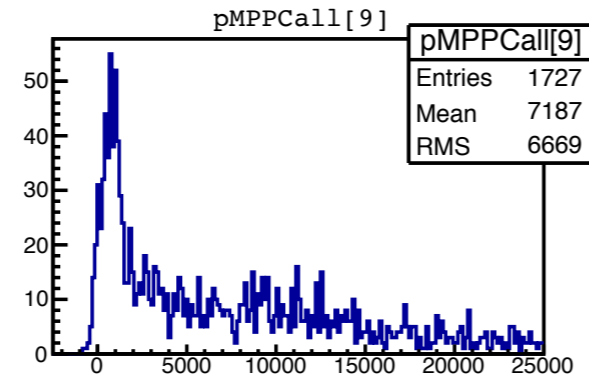
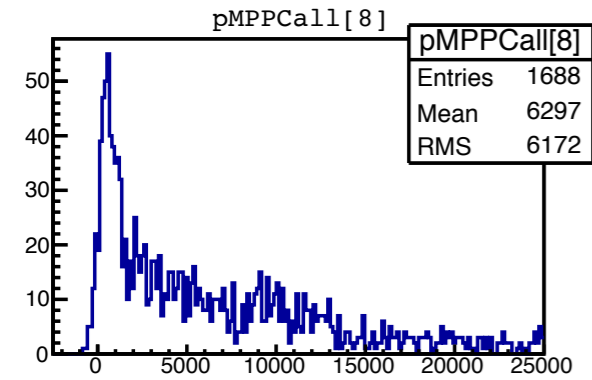
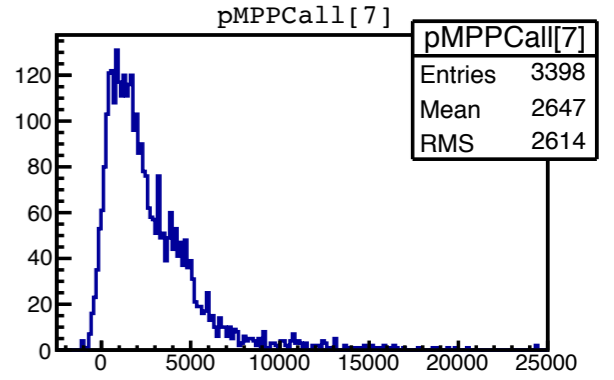
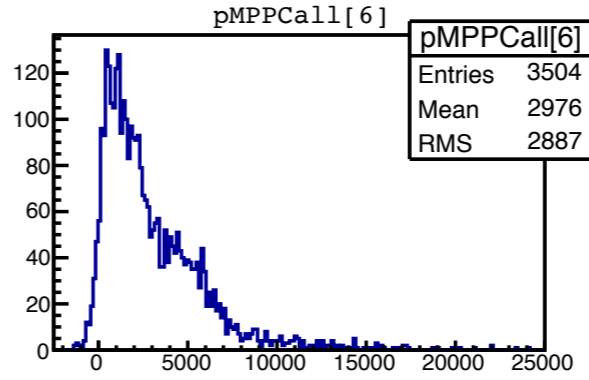
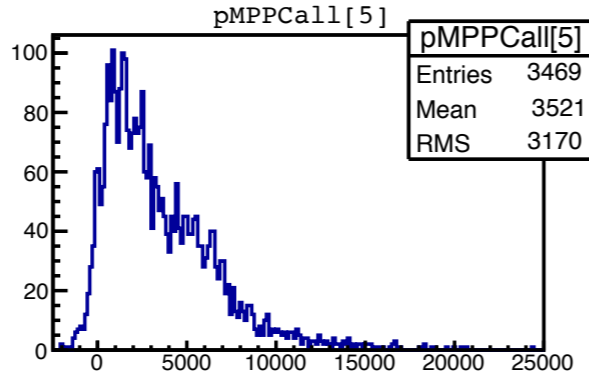
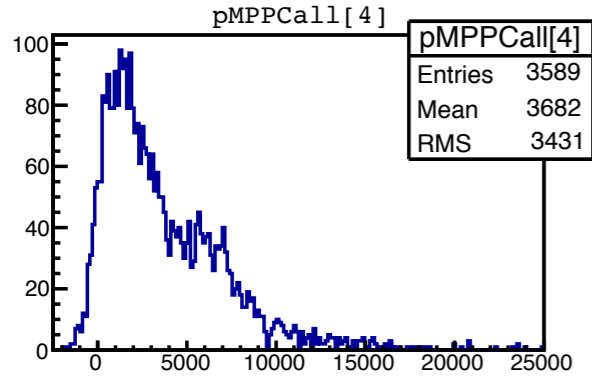
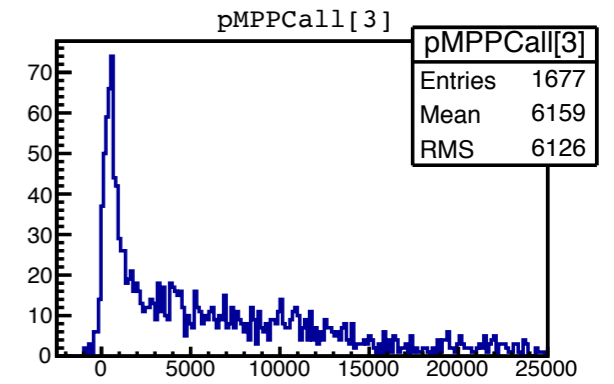
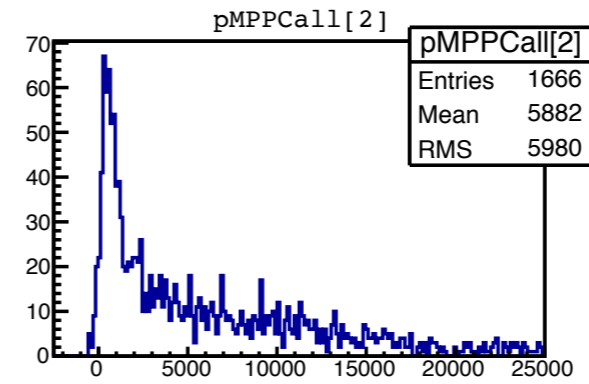
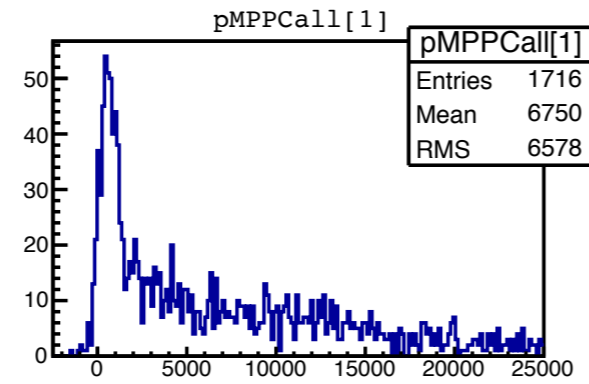
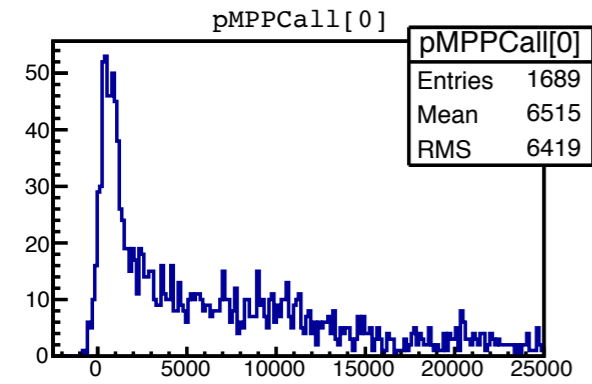




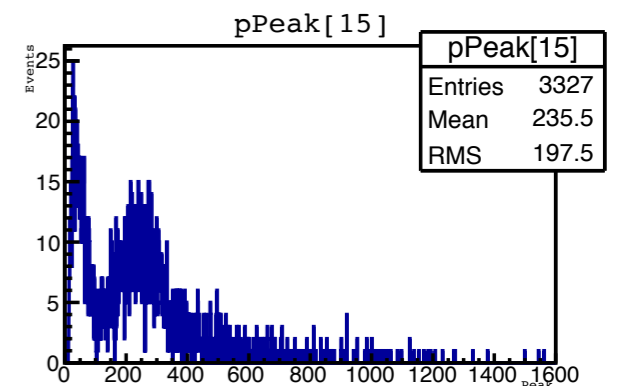
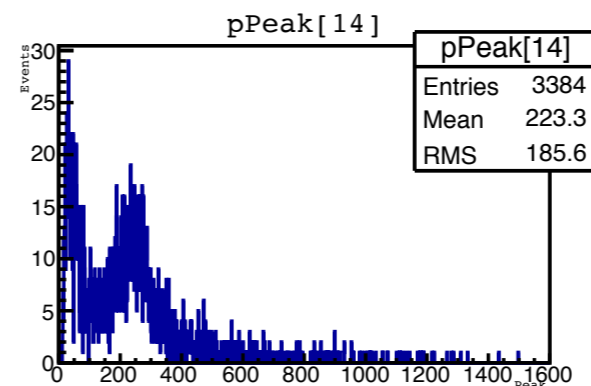
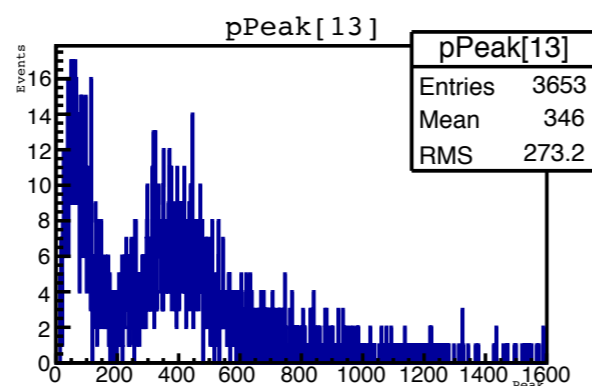
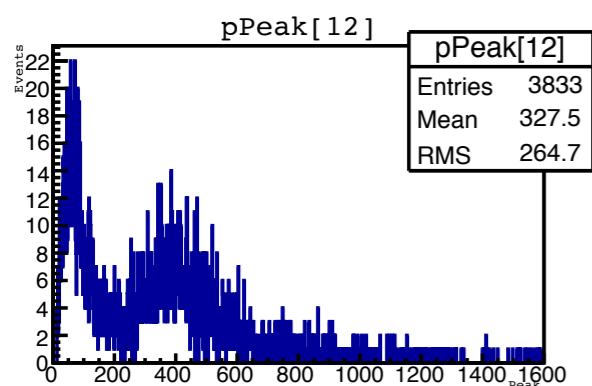
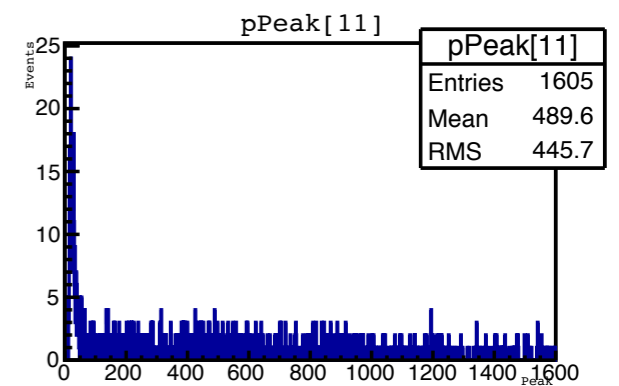
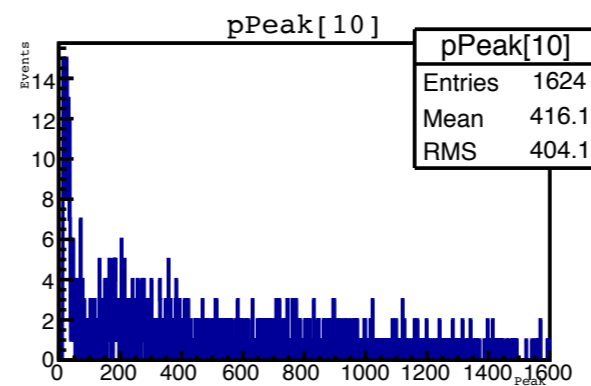
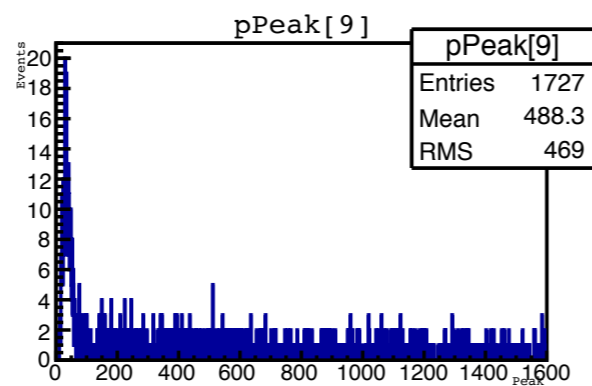
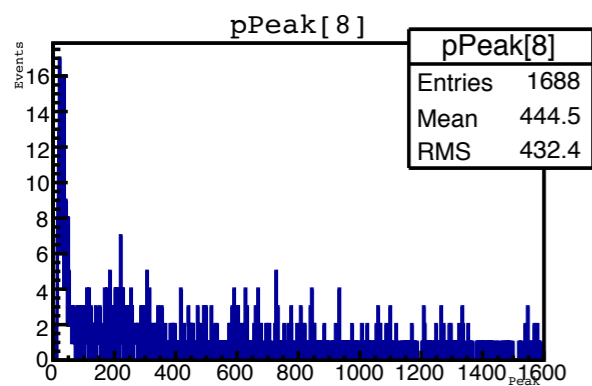
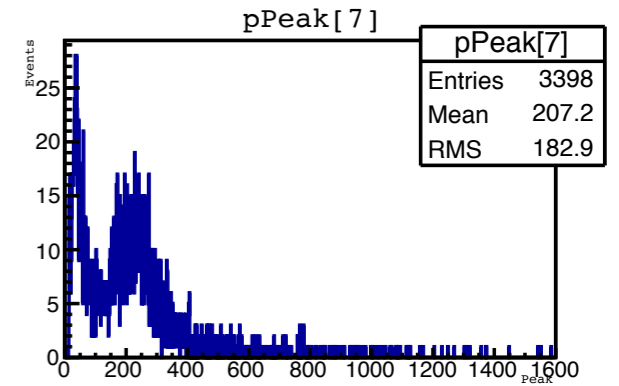
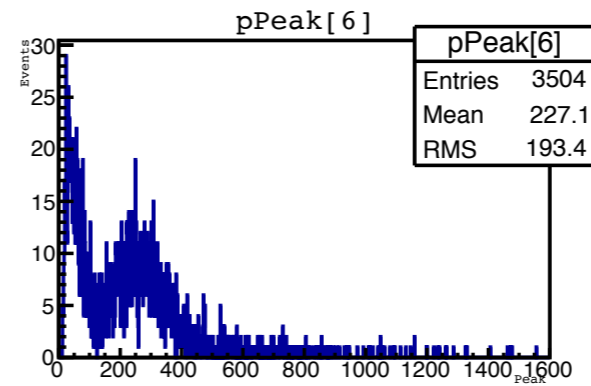
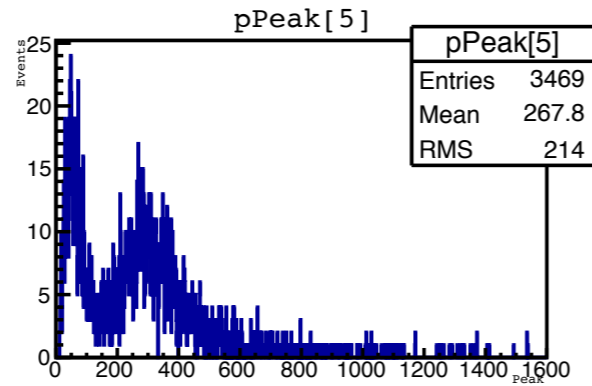
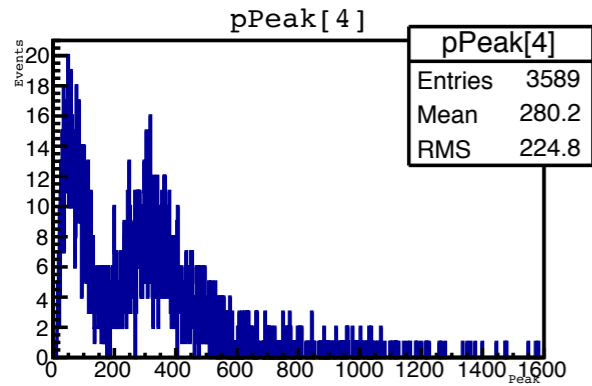
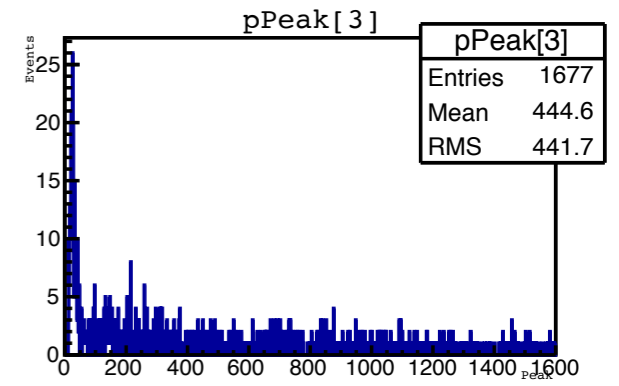
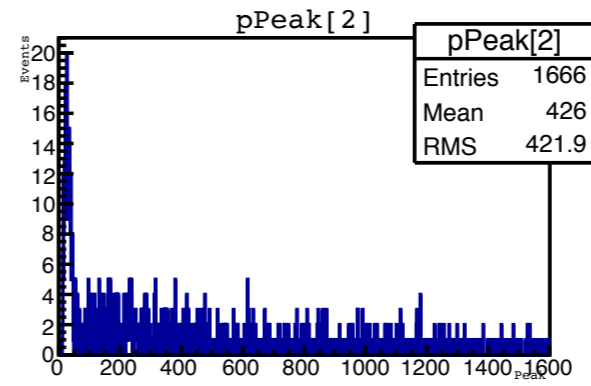
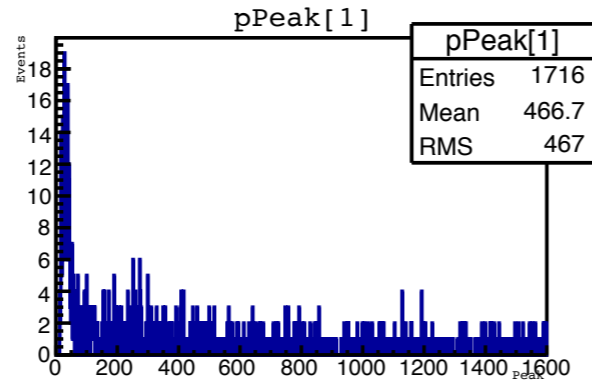
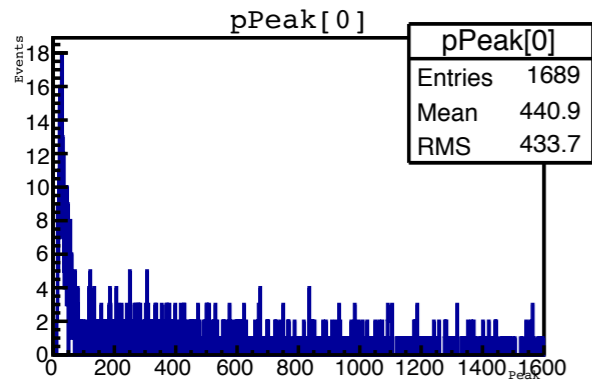
# IntegratedADC : Ratio (North & South & RunID & Timing Cut)



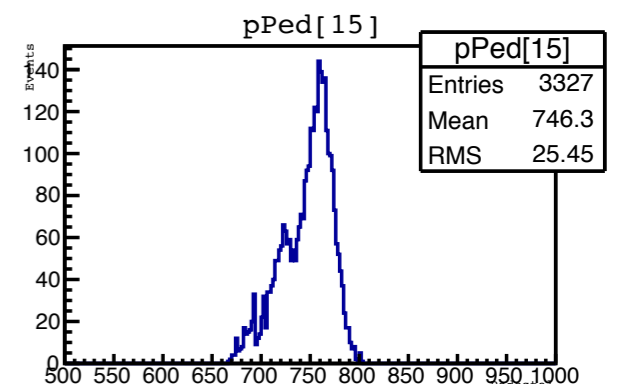
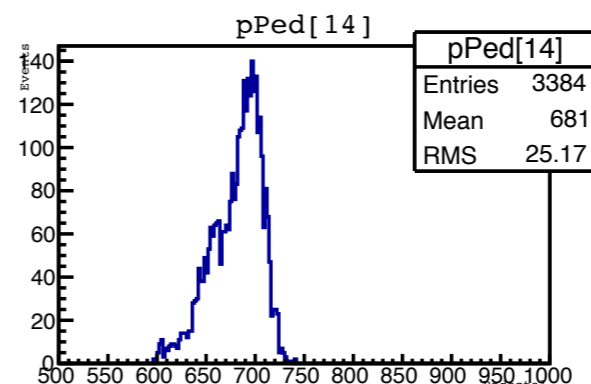
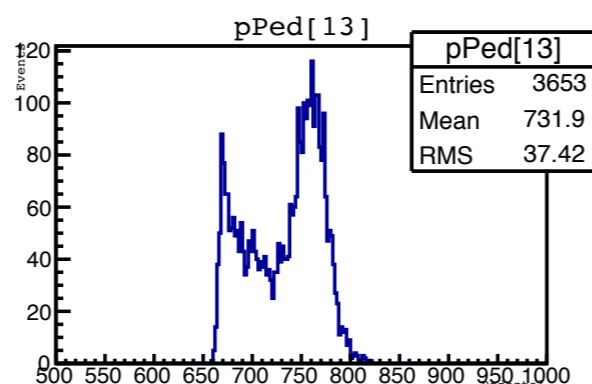
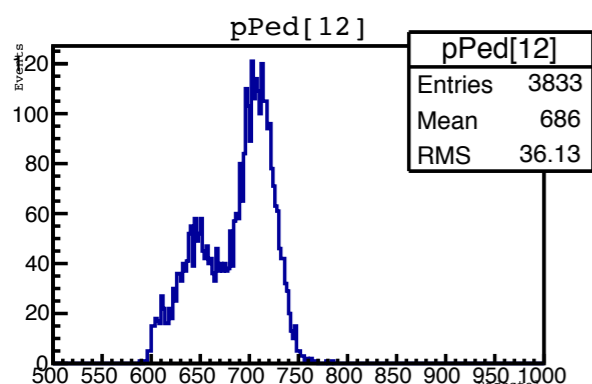
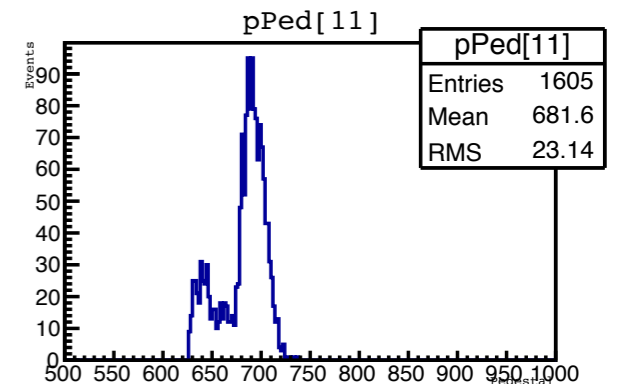
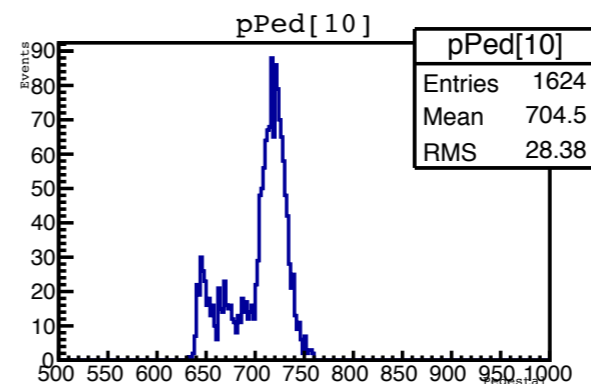
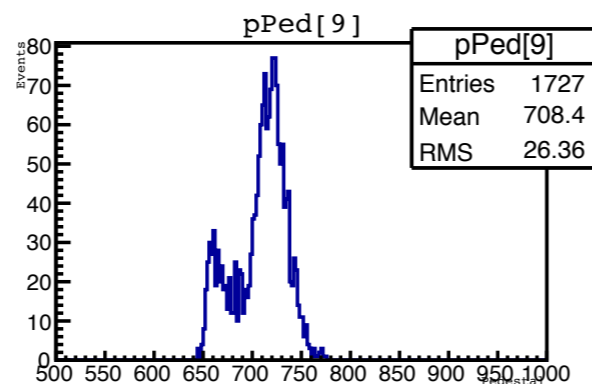
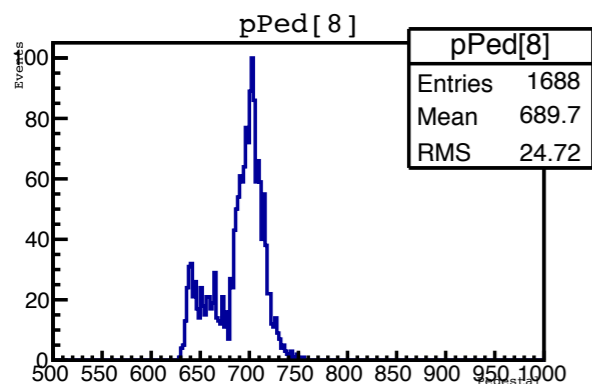
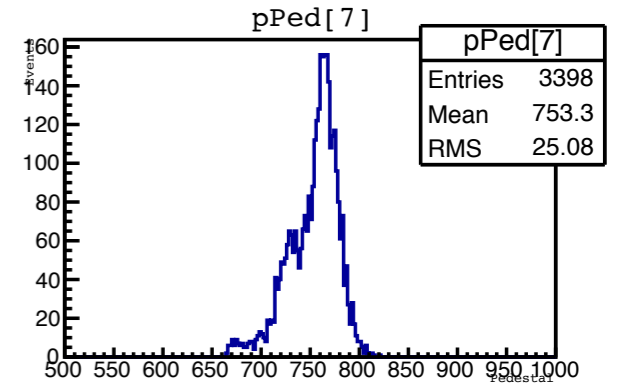
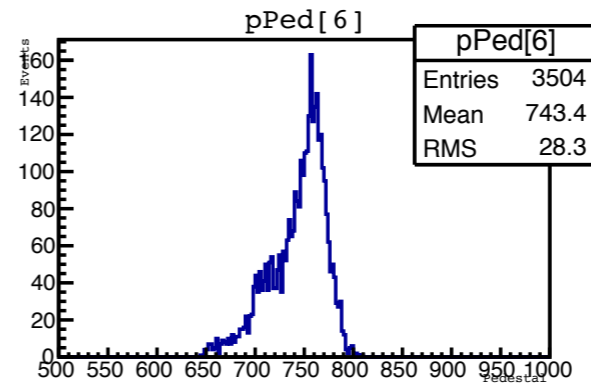
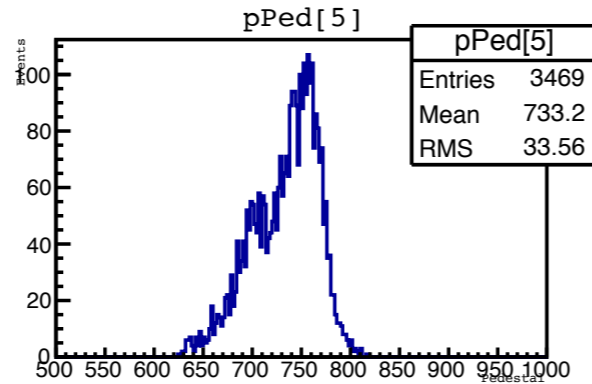
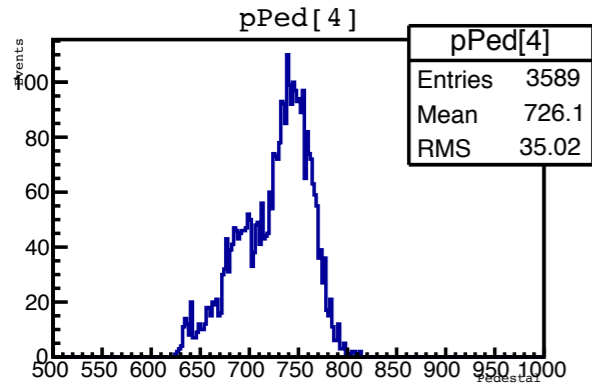
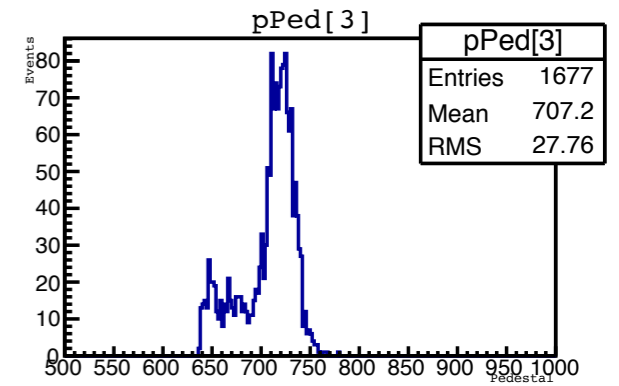
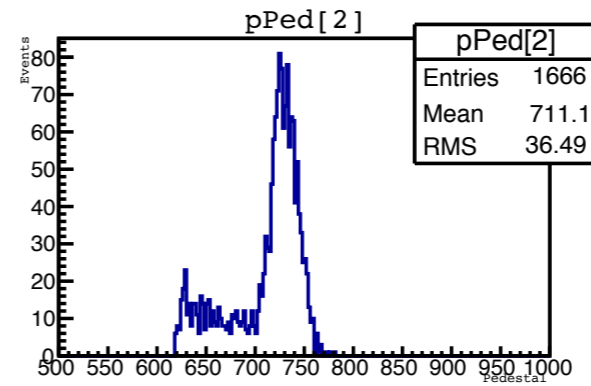
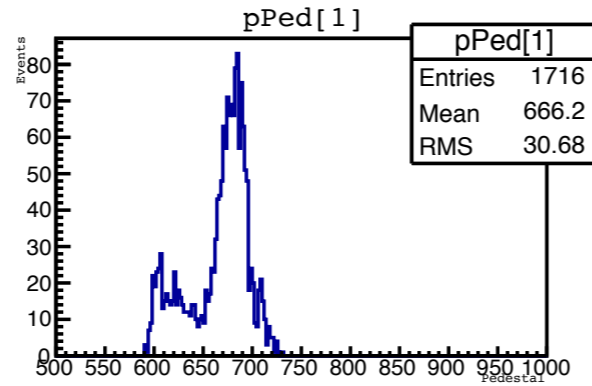
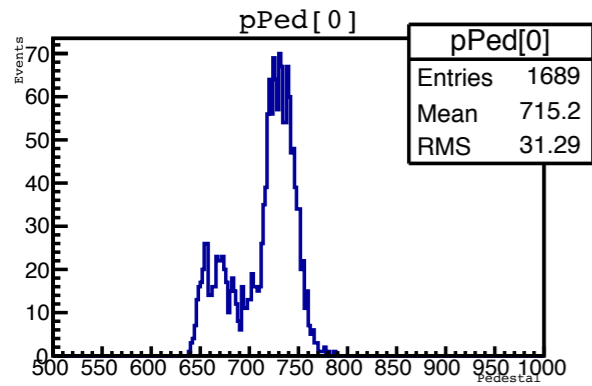
# DCV1 IntegratedADC Distribution (North & South & RunID & Timing Cut)



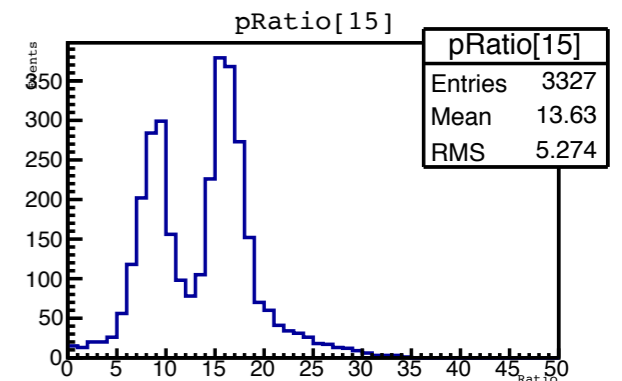
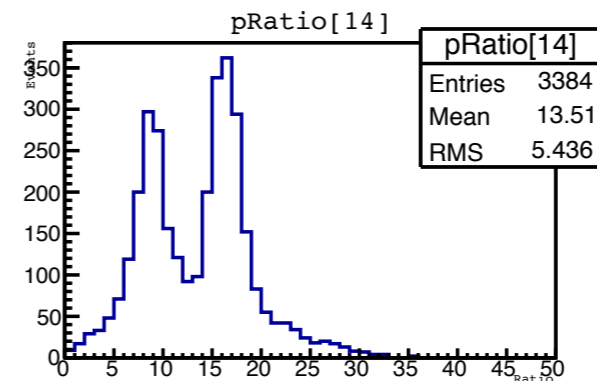
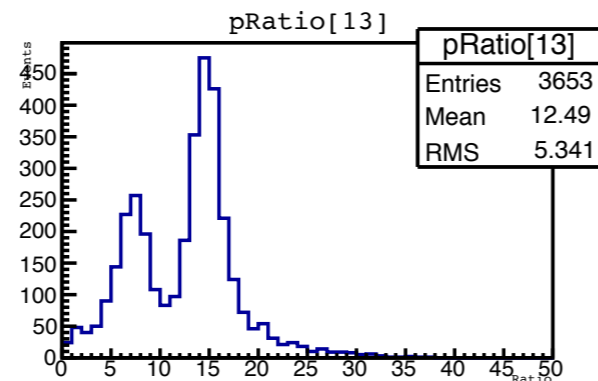
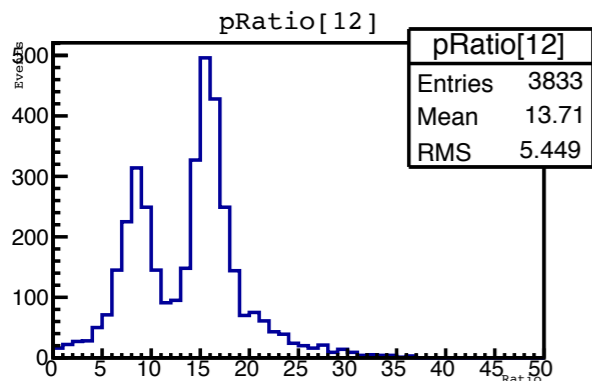
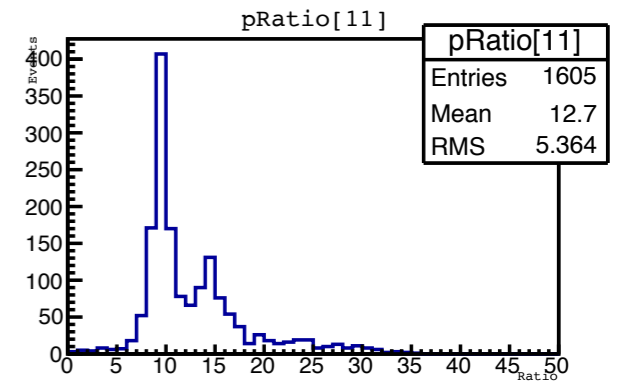
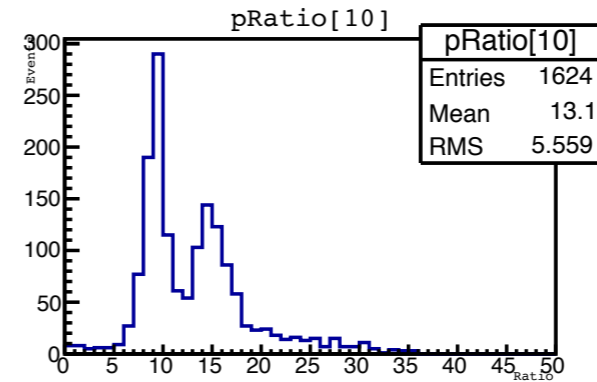
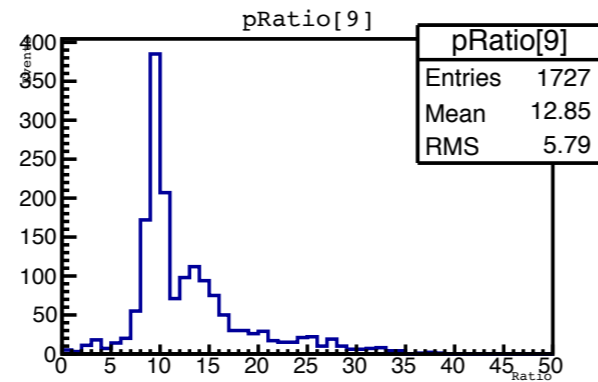
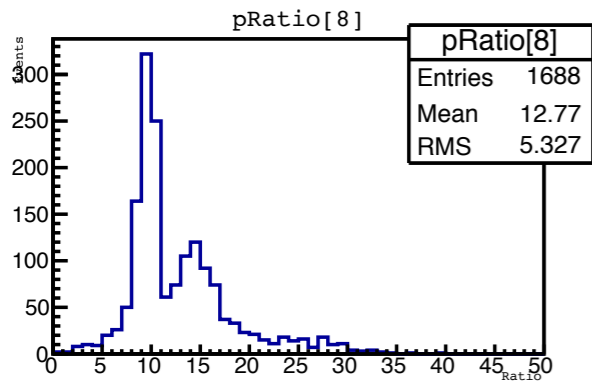
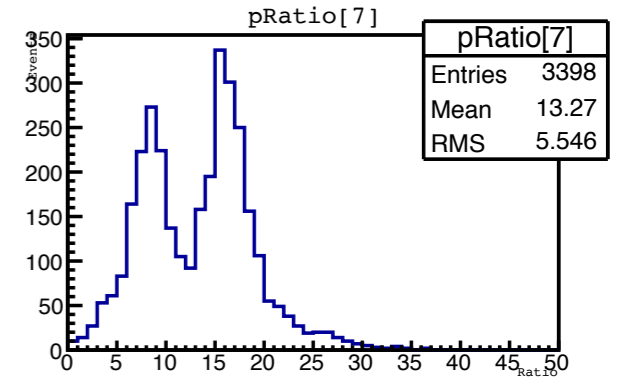
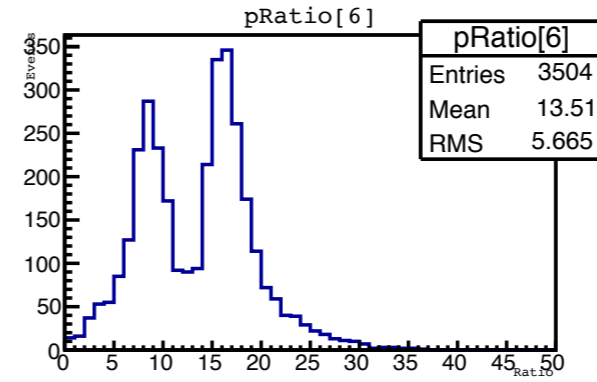
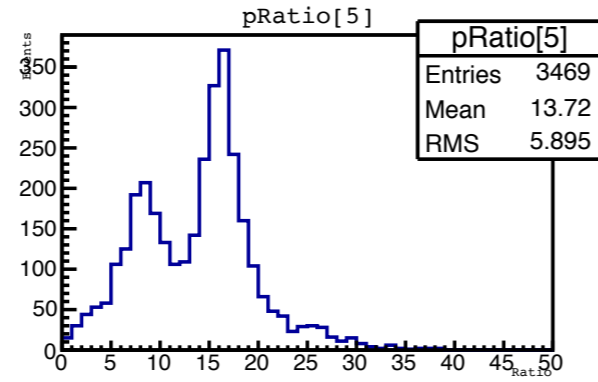
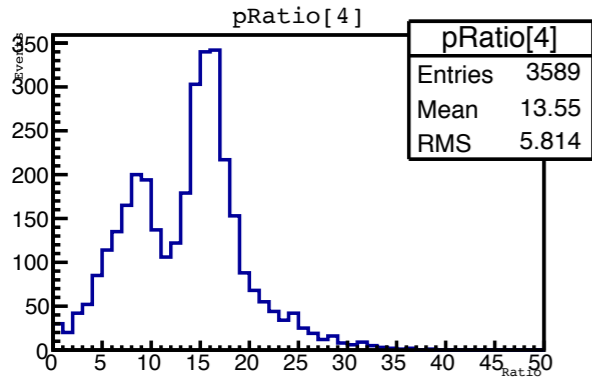
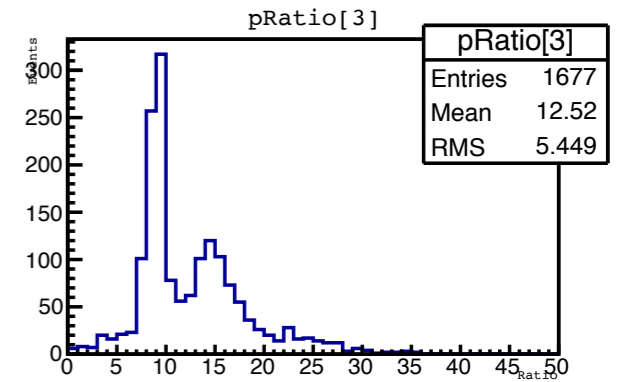
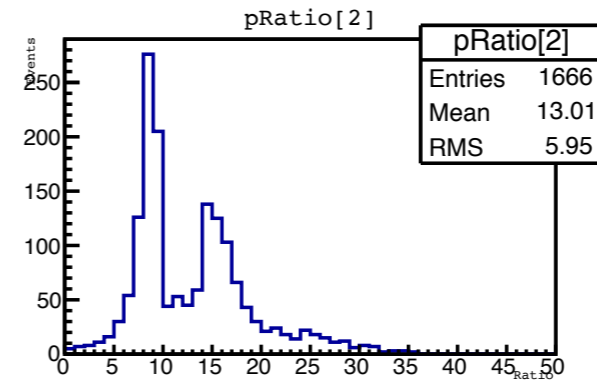
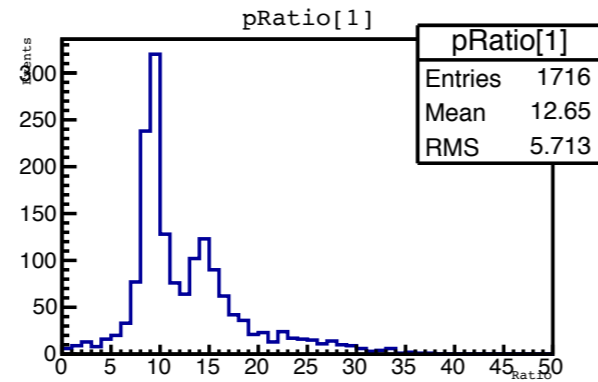
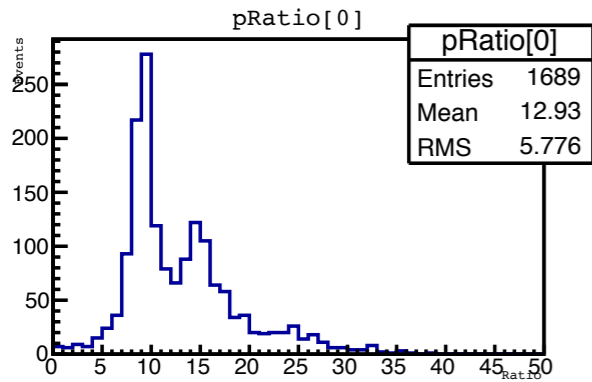
# Peak distribution (North & South & RunID & Timing Cut)



# Pedestal distribution (North & South & RunID & Timing Cut)



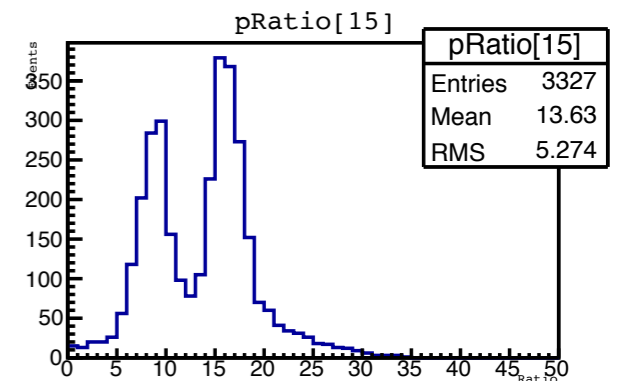
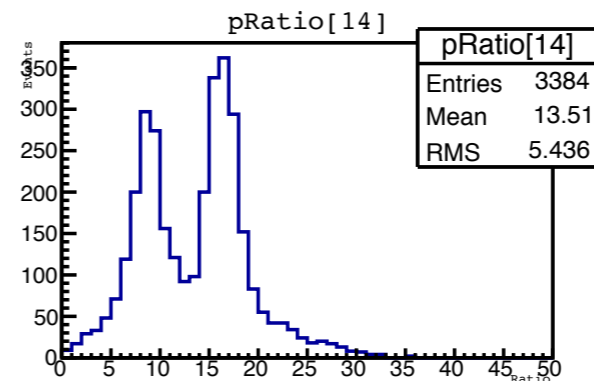
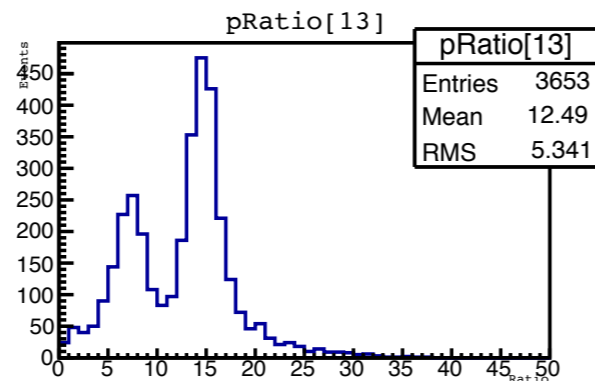
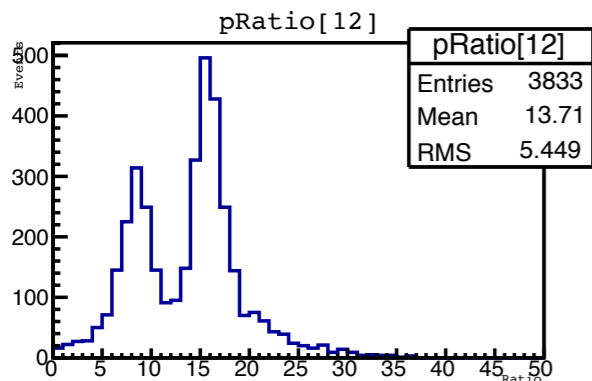
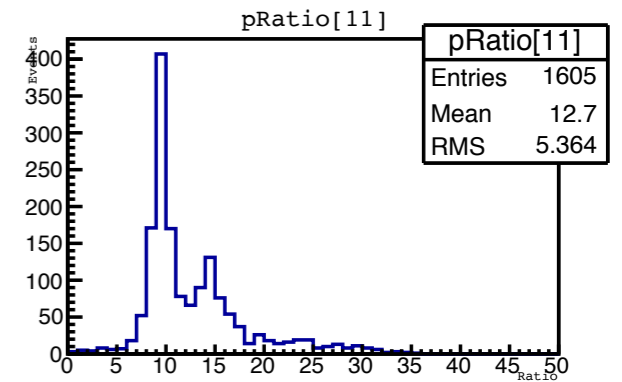
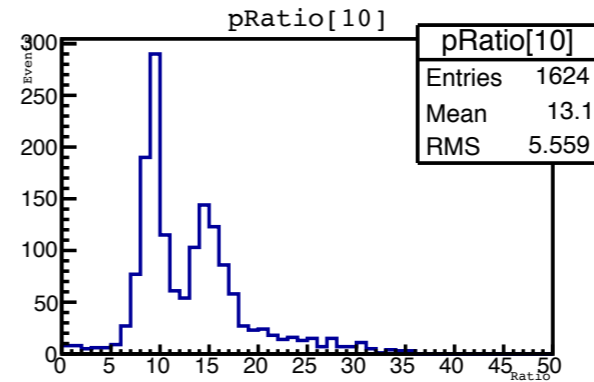
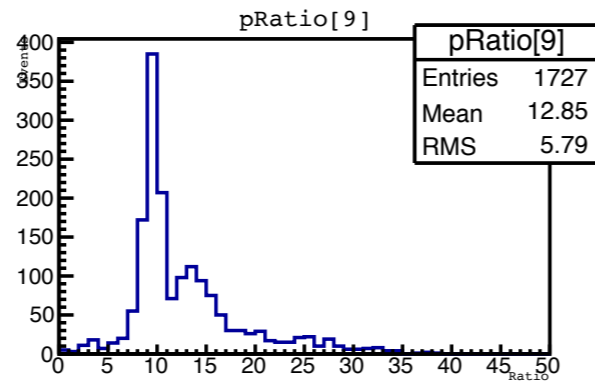
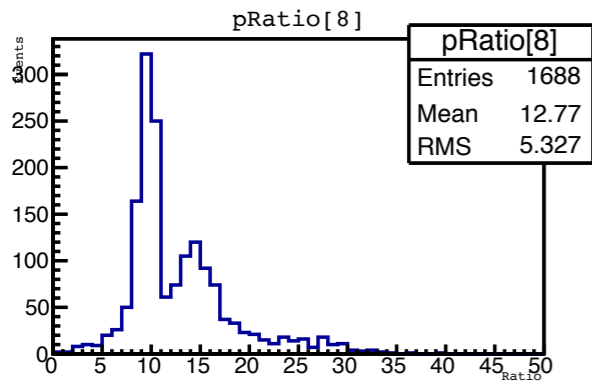
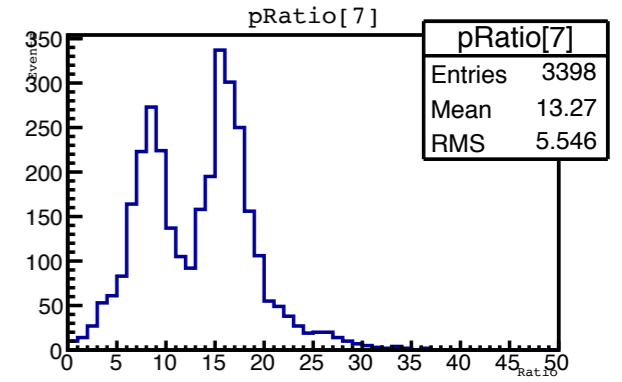
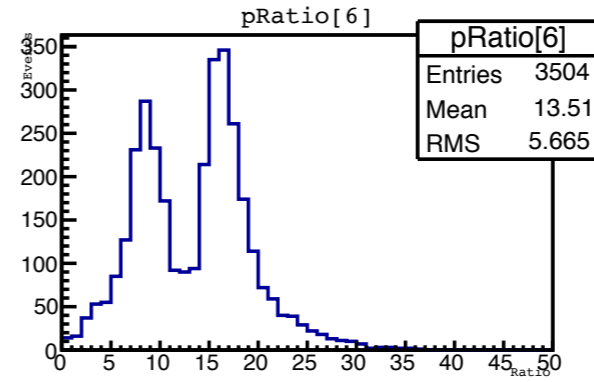
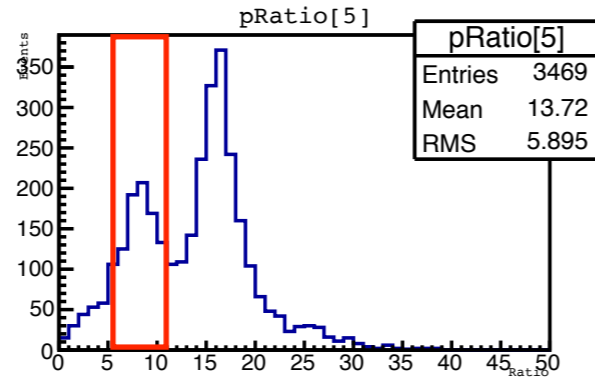
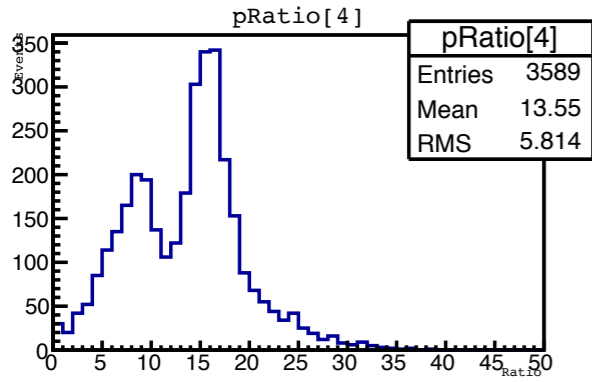
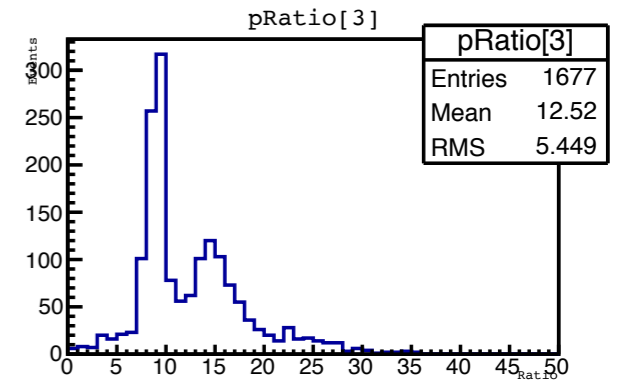
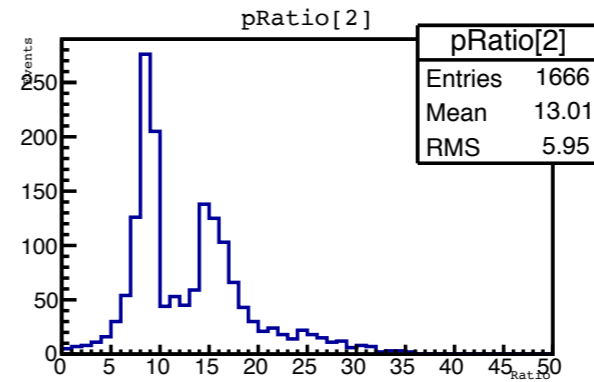
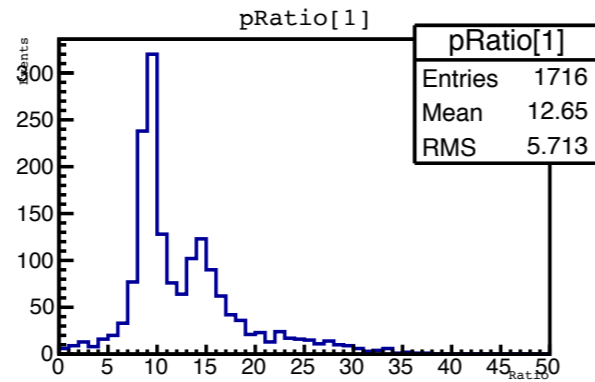
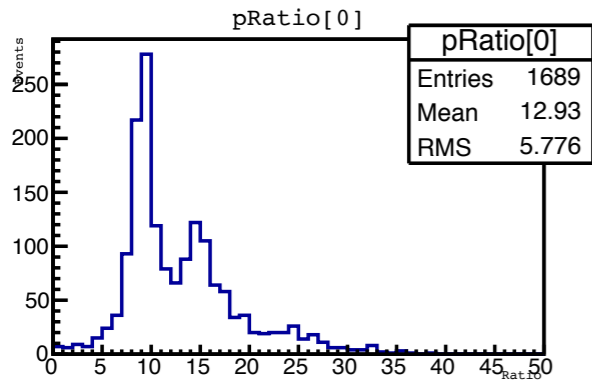
# Ratio Distribution (North & South & RunID & Timing Cut)



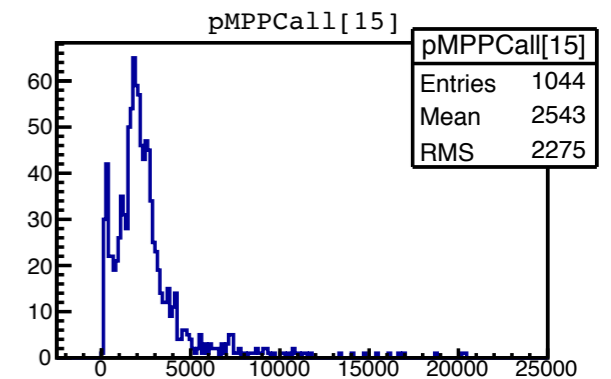
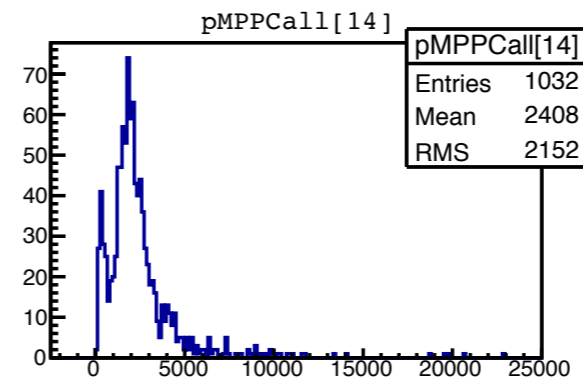
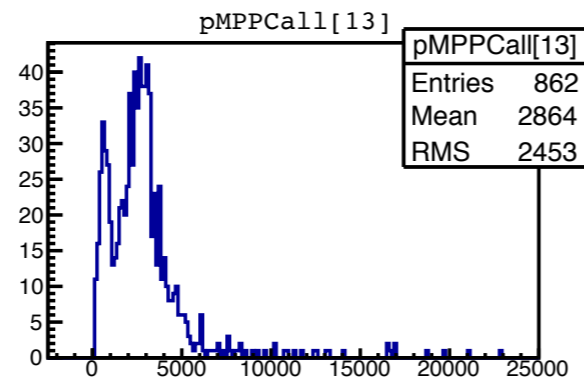
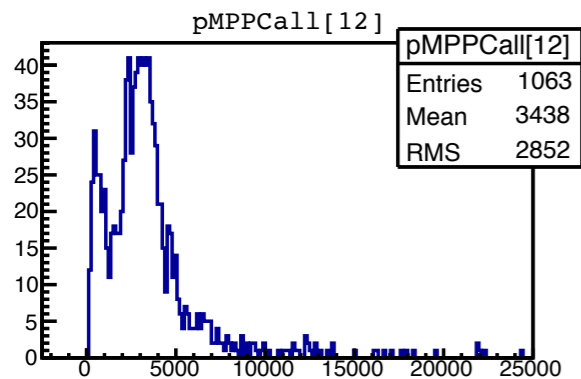
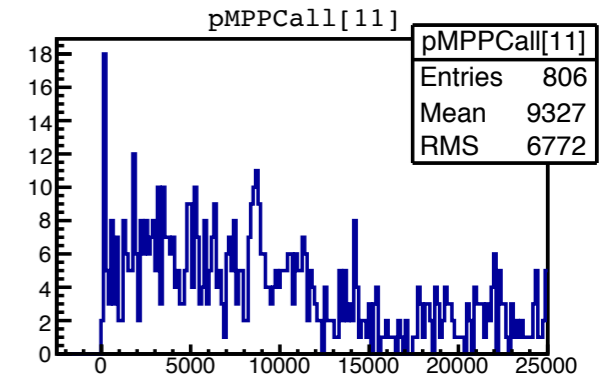
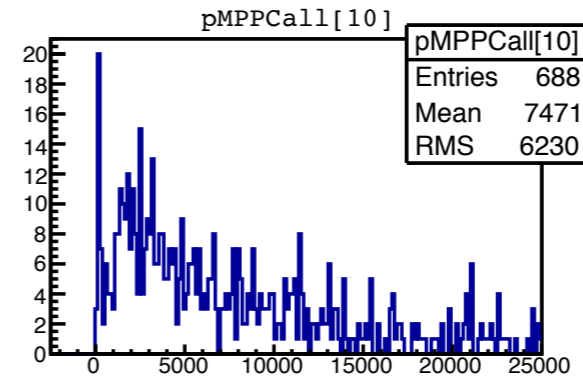
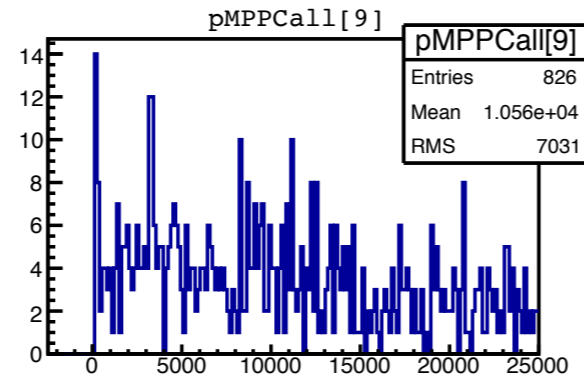
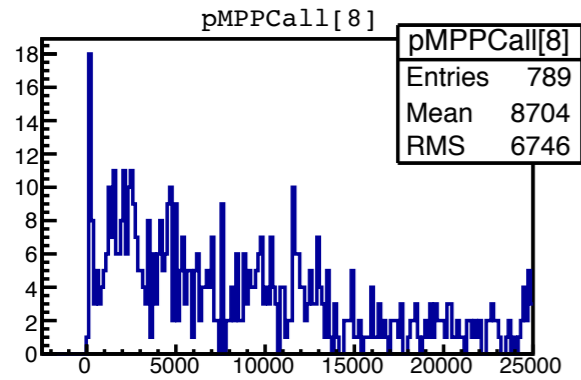
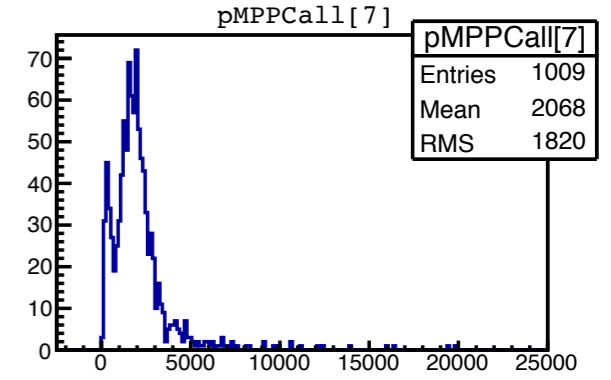
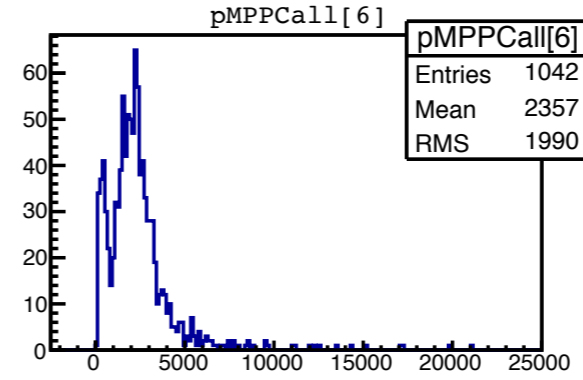
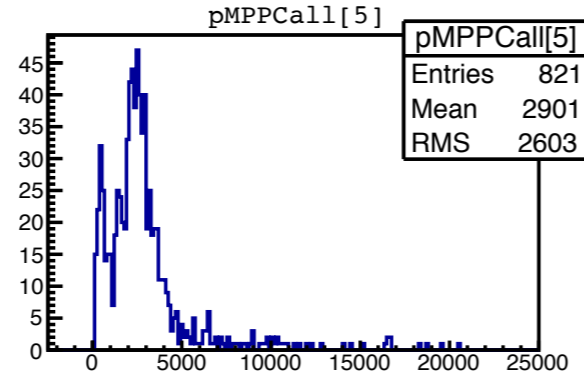
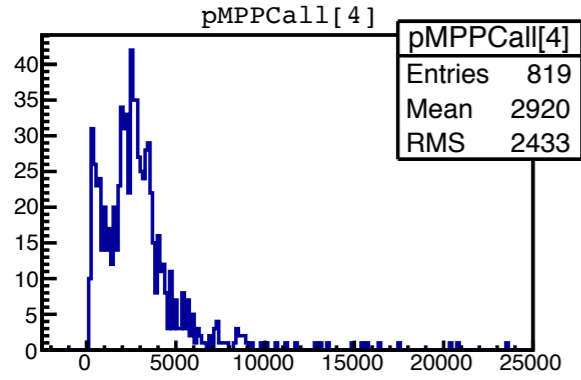
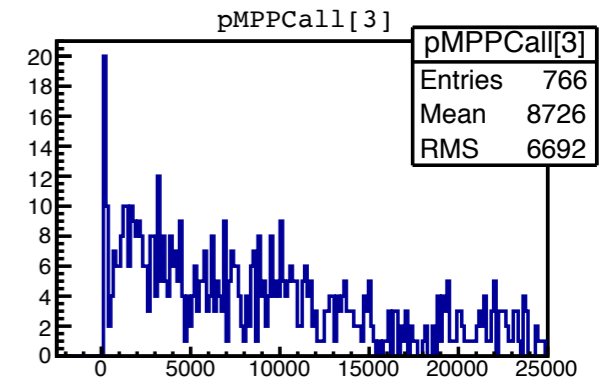
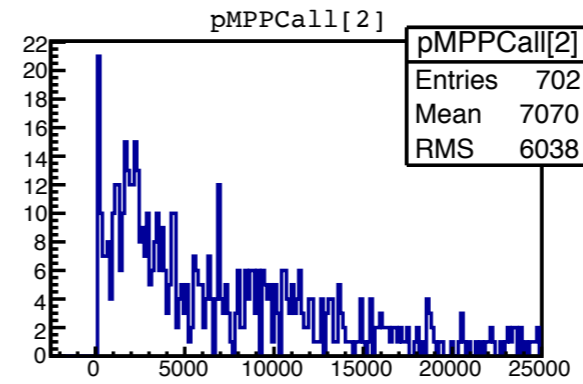
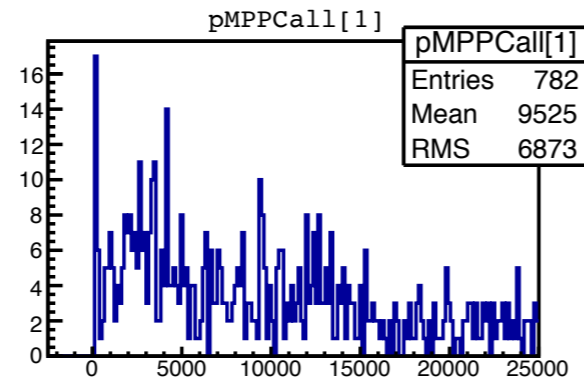
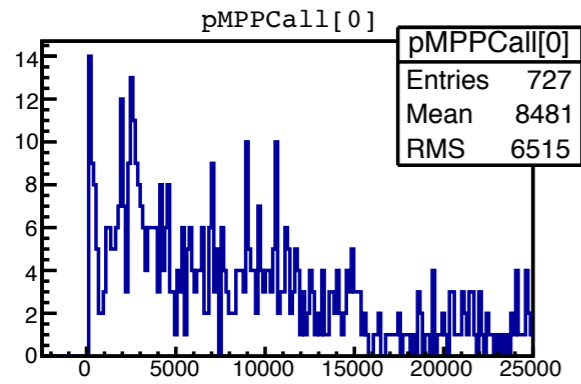
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if( DCVIntegratedADC[j]/DCVPeak[j] < 8.38-2.46
|| DCVIntegratedADC[j]/DCVPeak[j] > 8.38+2.46 ) continue;
= Ratio 1

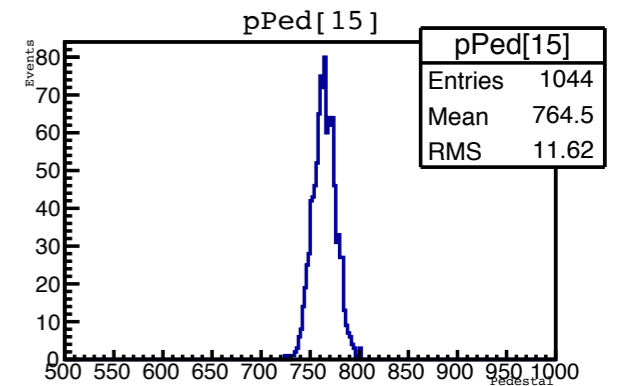
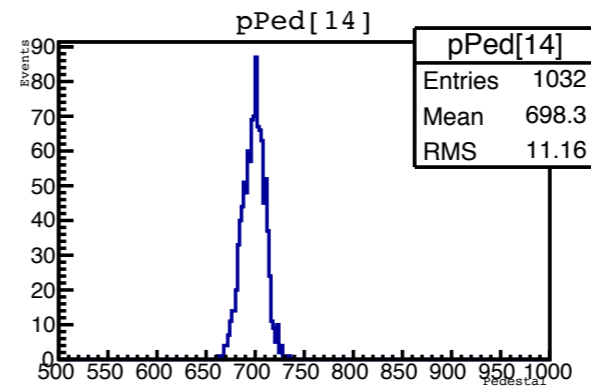
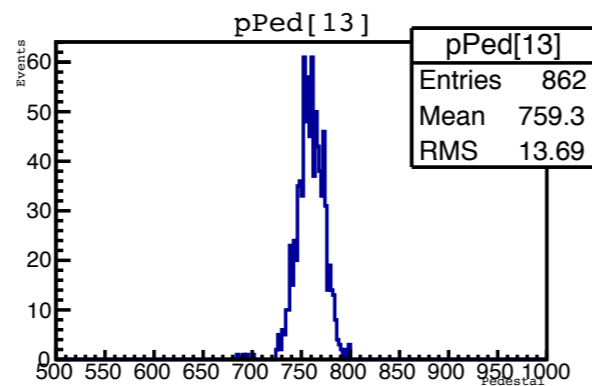
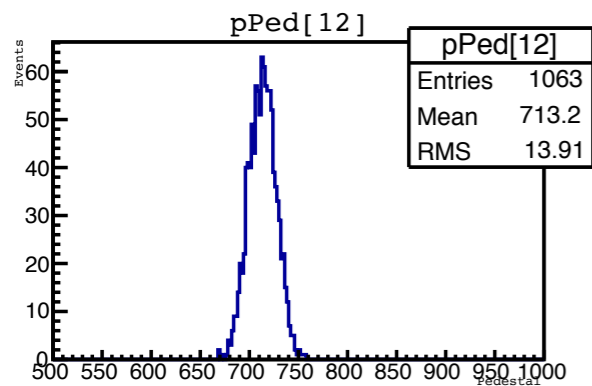
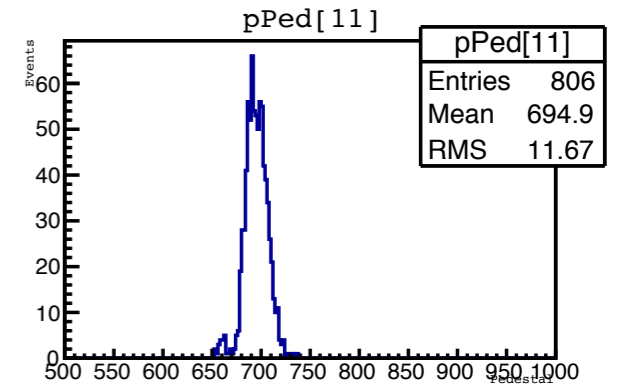
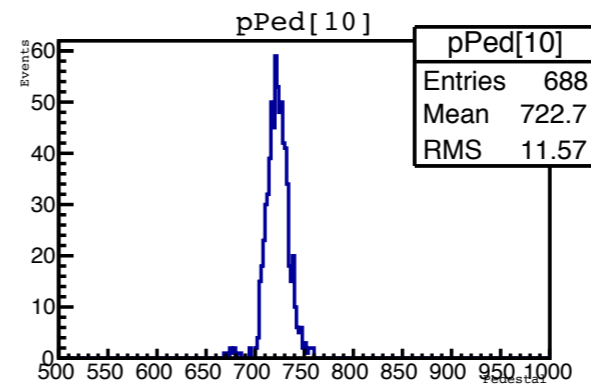
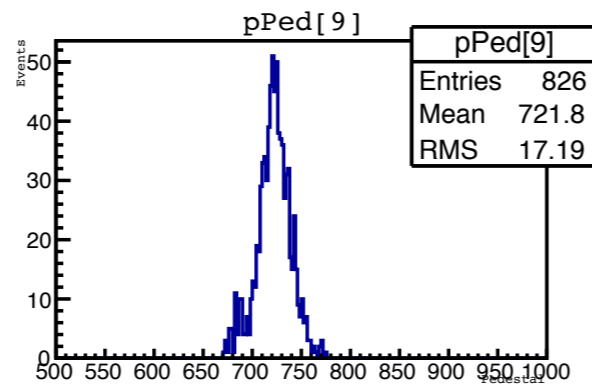
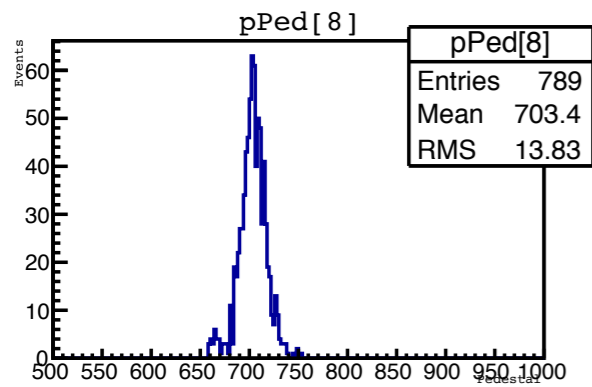
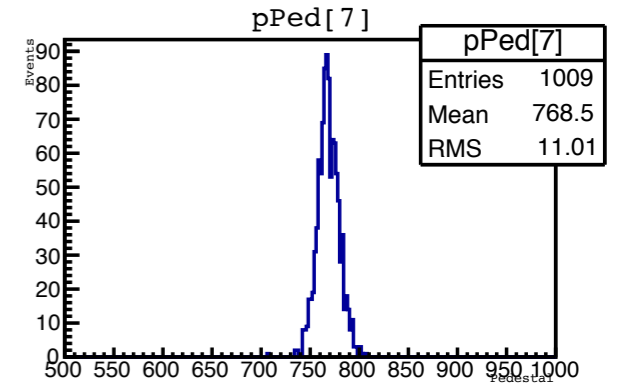
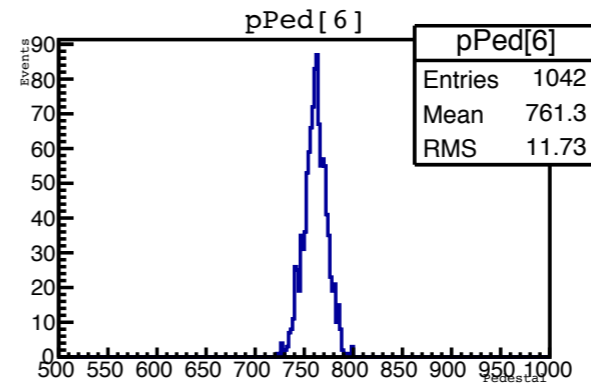
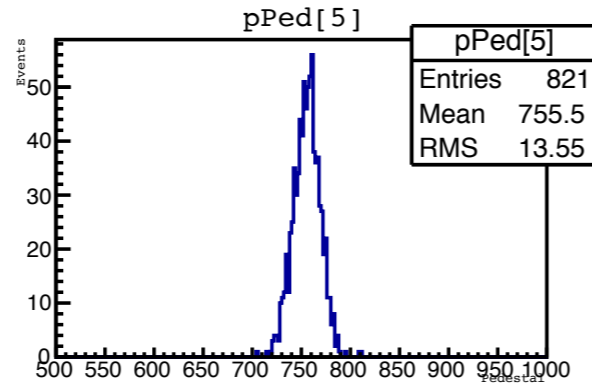
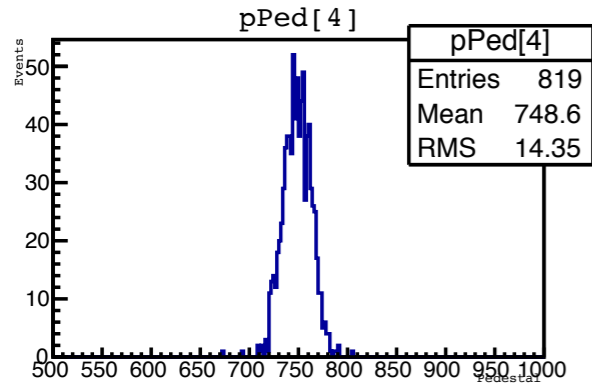
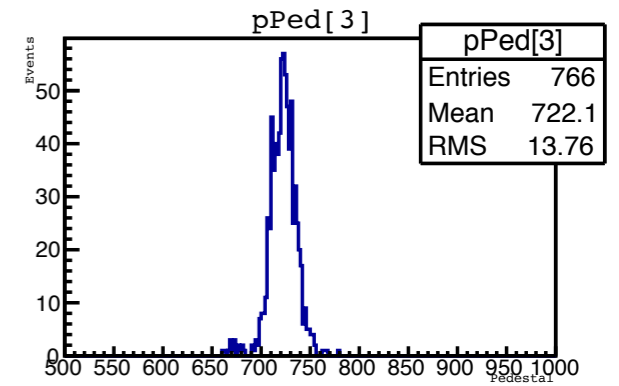
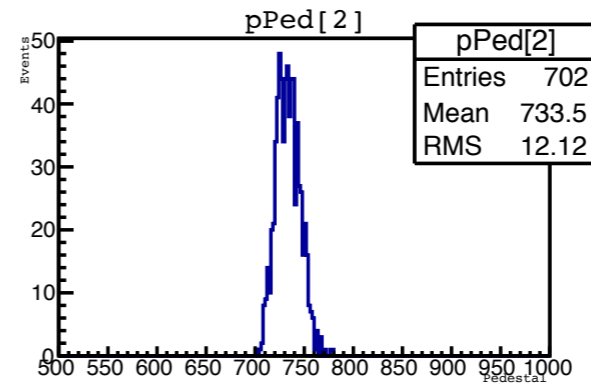
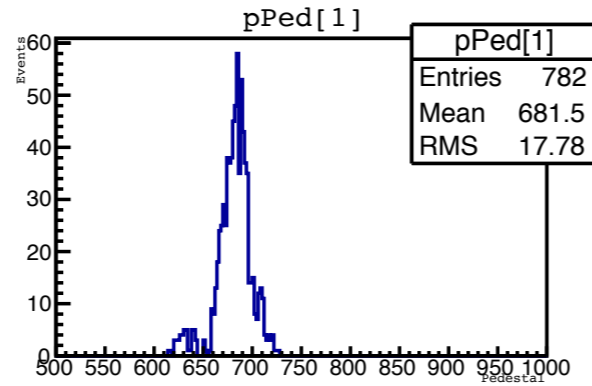
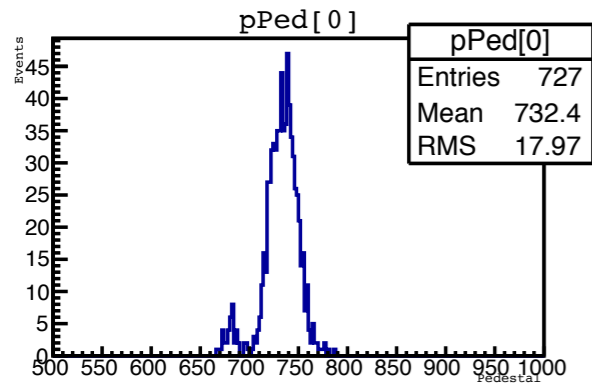
```



# DCV1 IntegratedADC Distribution (North & South & RunID & Timing & Ratio 1 Cut)



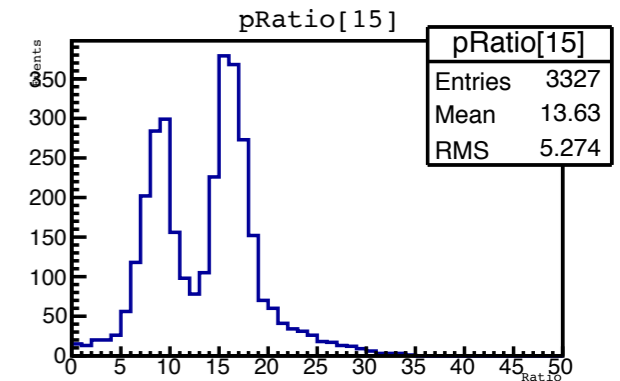
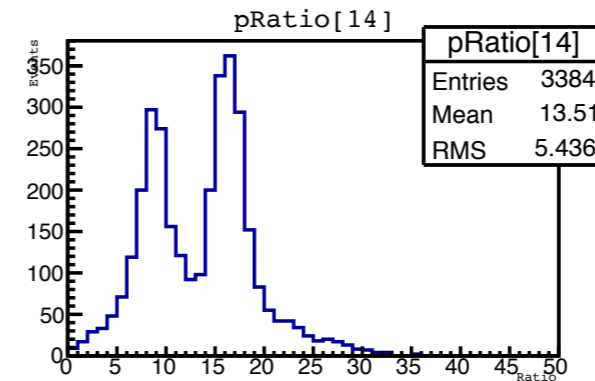
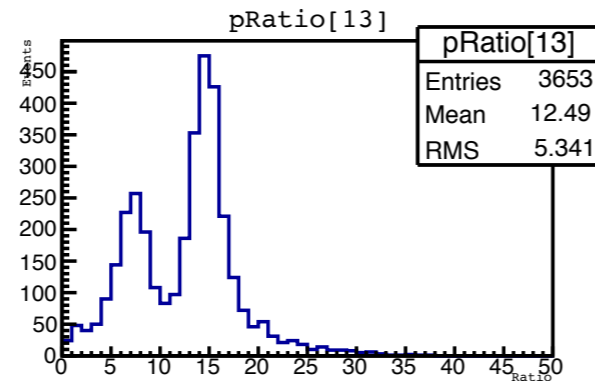
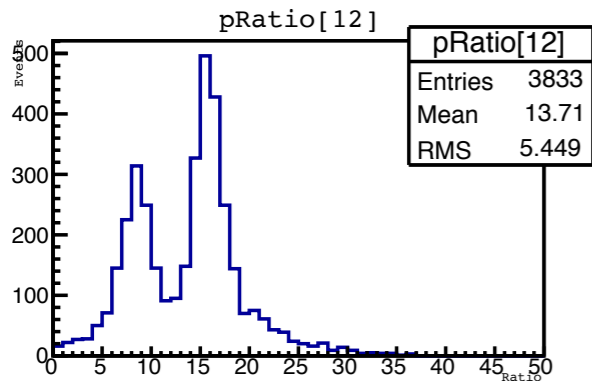
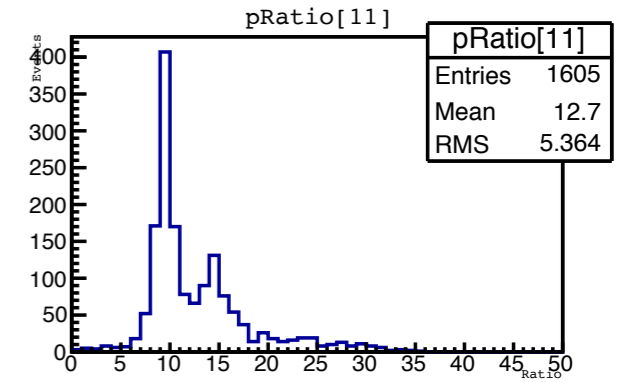
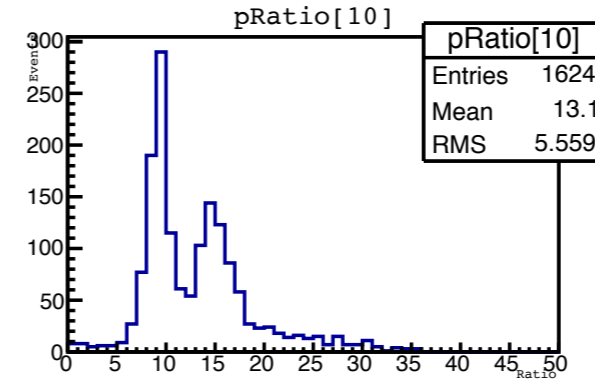
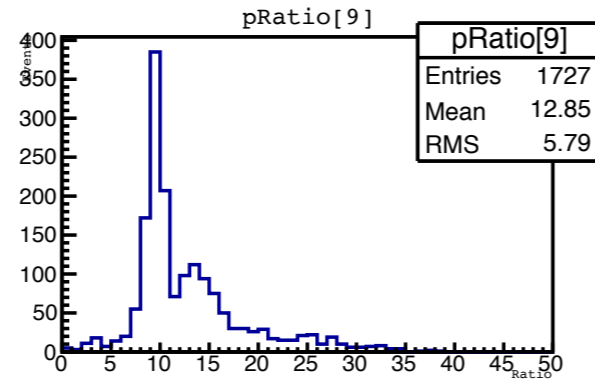
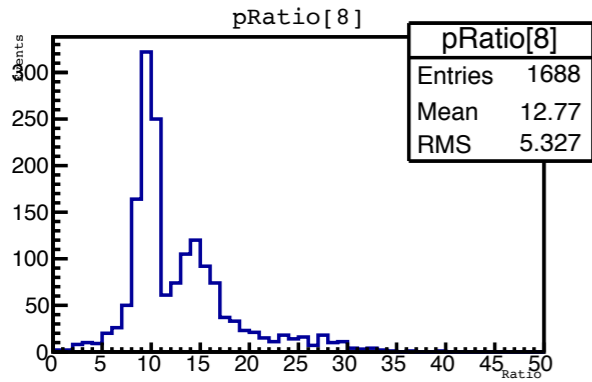
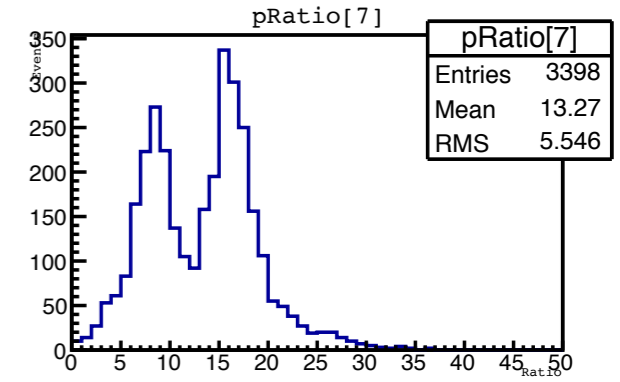
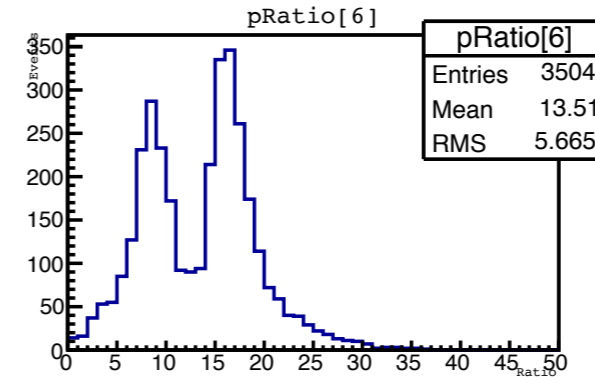
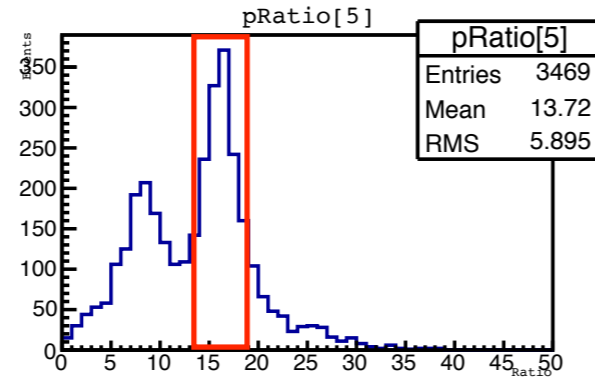
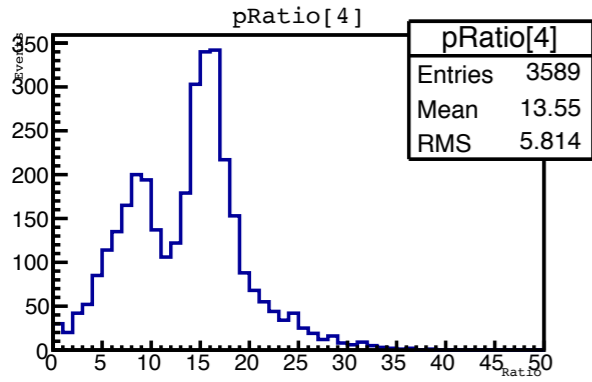
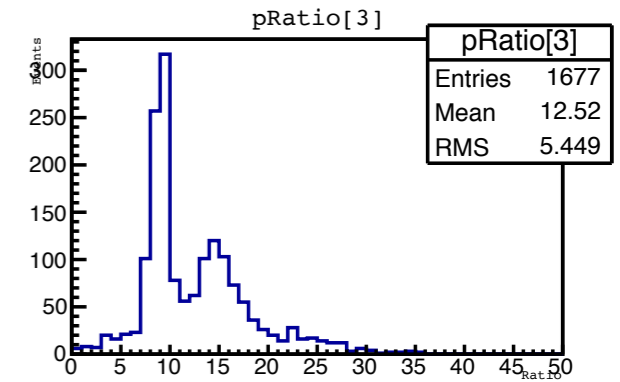
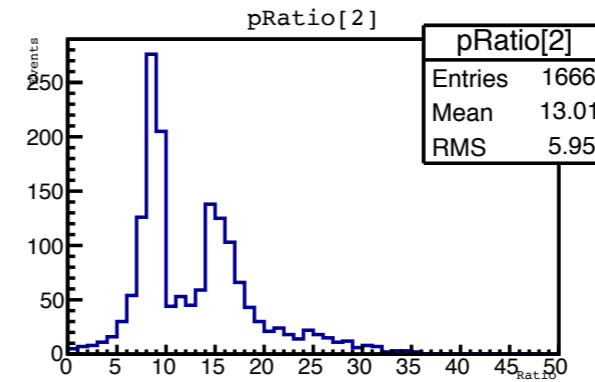
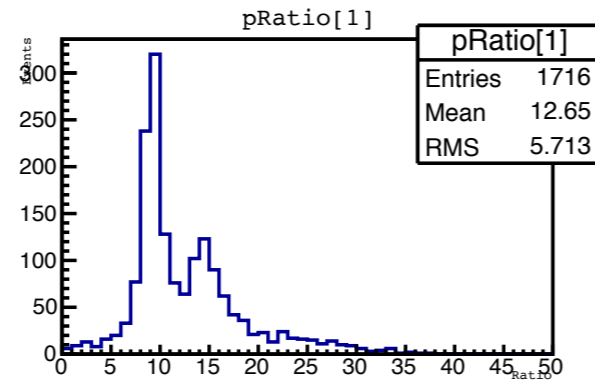
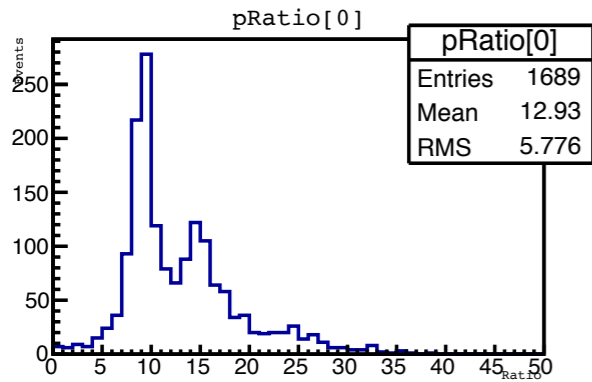
# DCV1 Pedestal Distribution (North & South & RunID & Timing & Ratio 1 Cut)



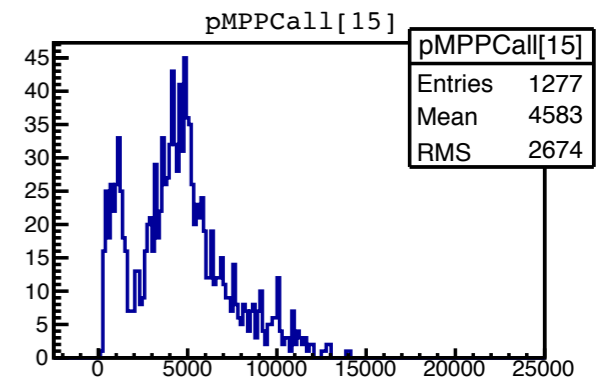
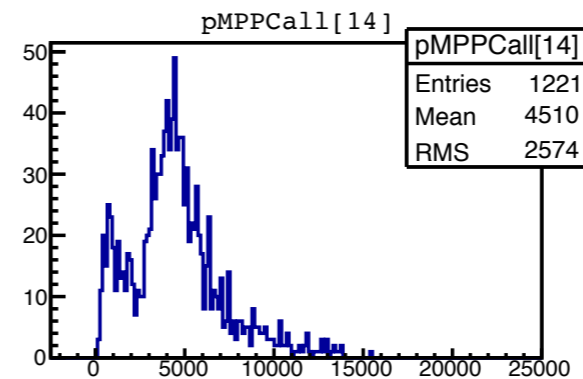
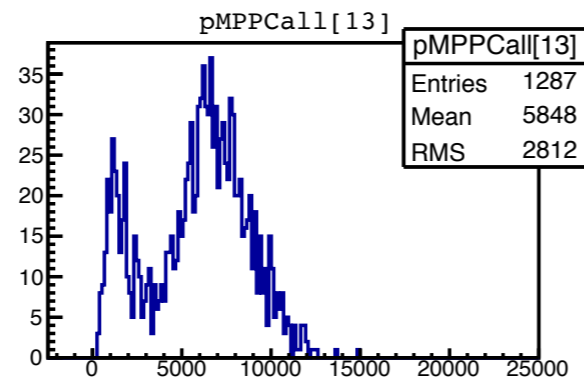
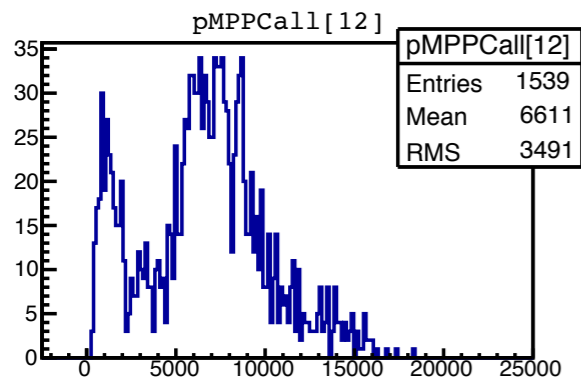
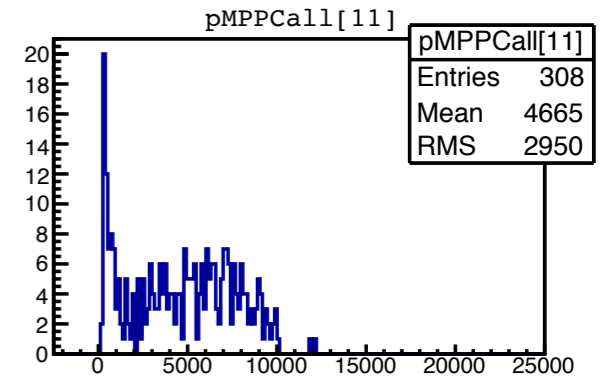
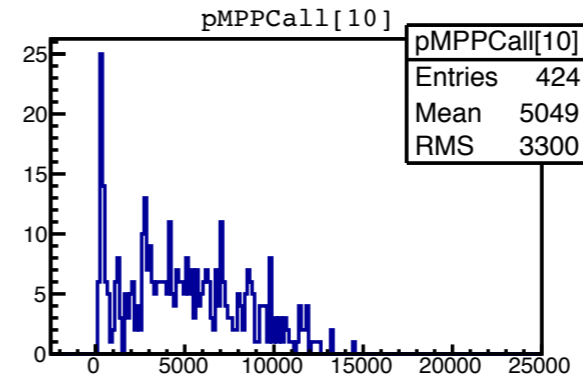
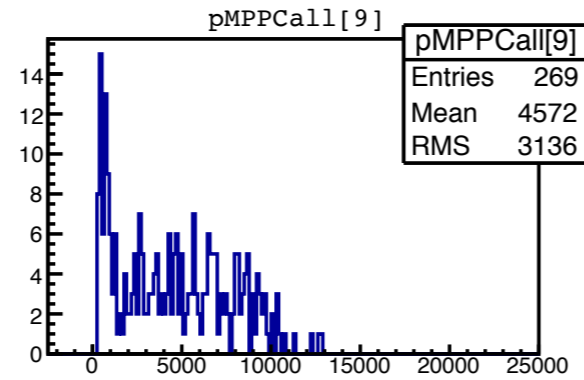
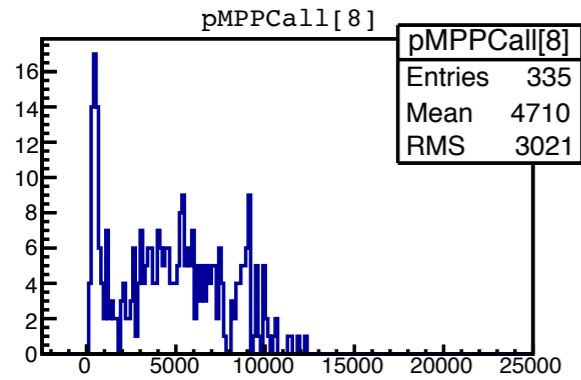
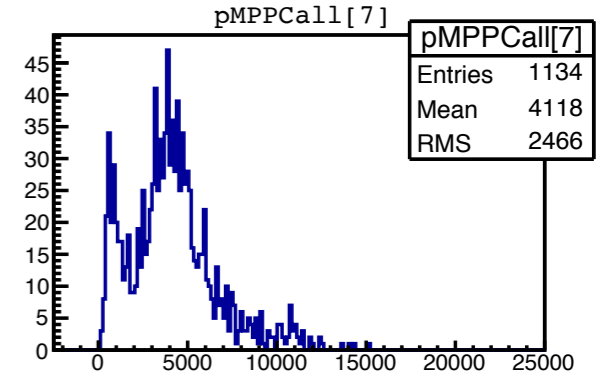
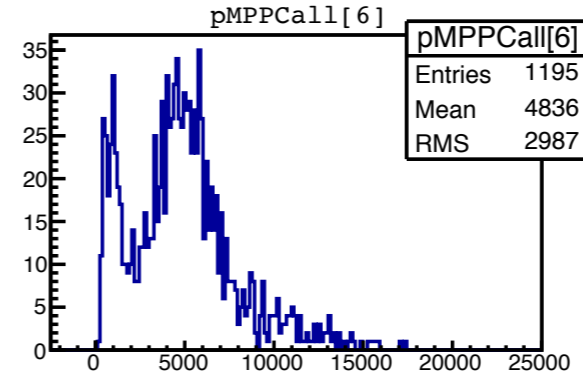
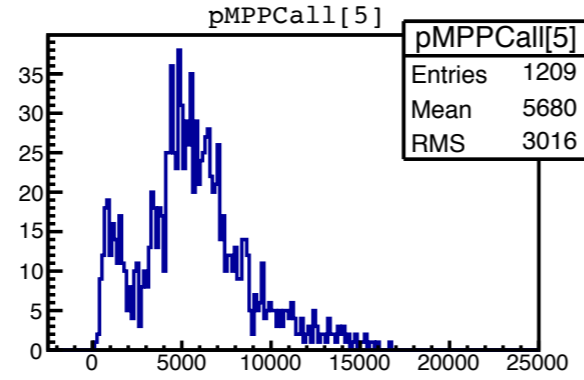
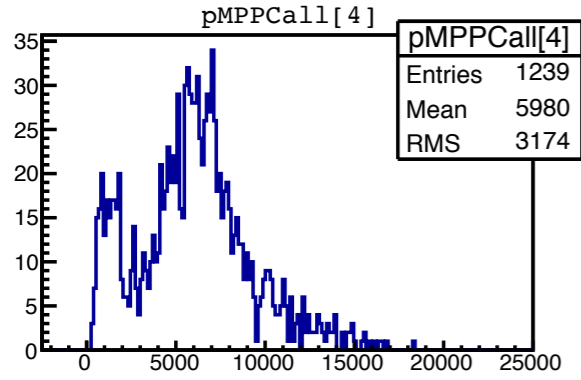
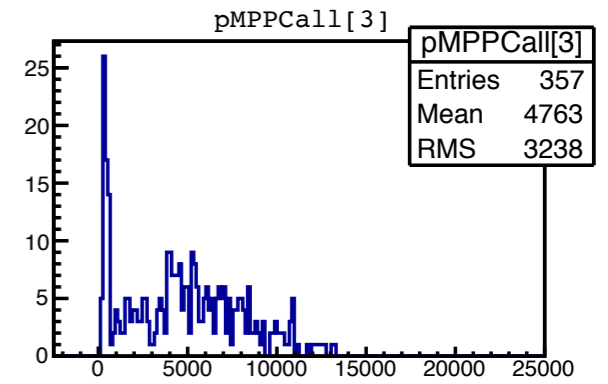
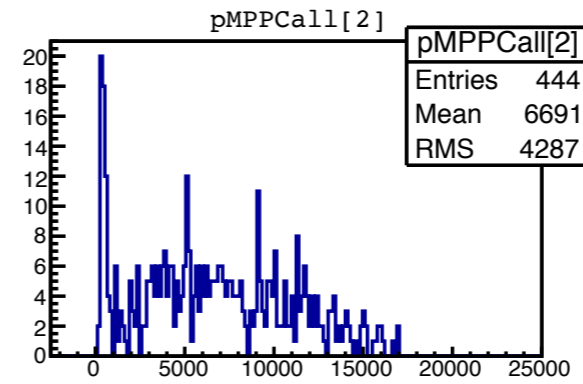
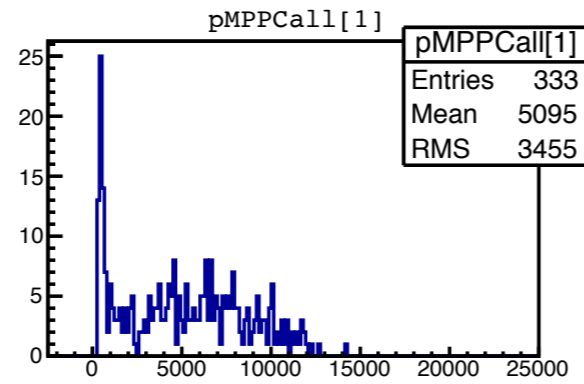
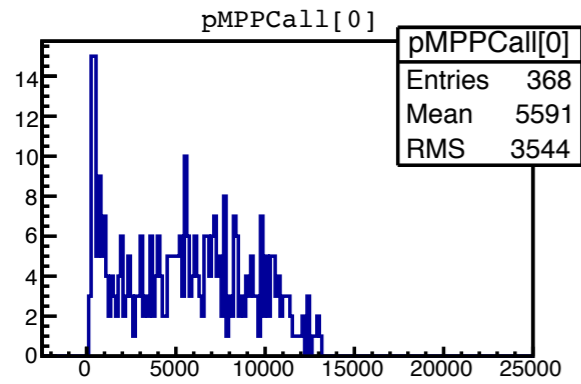


```
if( DCVIntegratedADC[j]/DCVPeak[j] < 16.01-2.10
|| DCVIntegratedADC[j]/DCVPeak[j] > 16.01+2.10 ) continue;
```

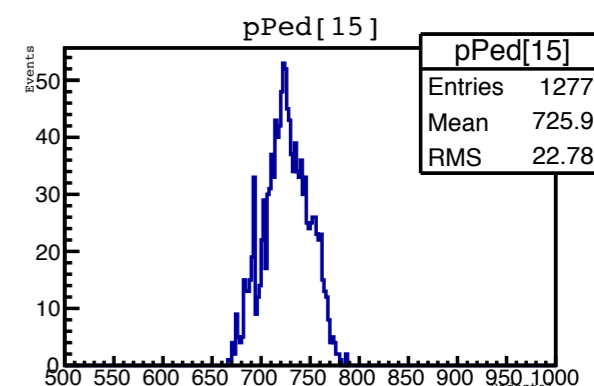
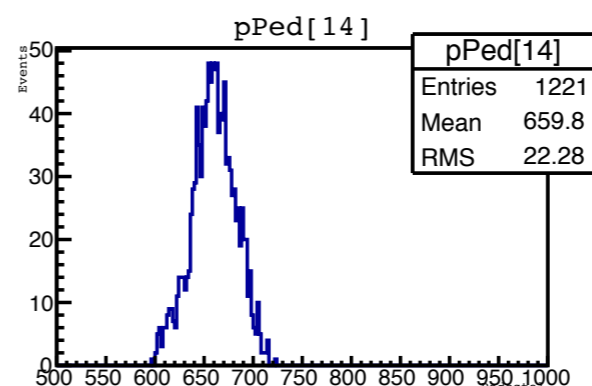
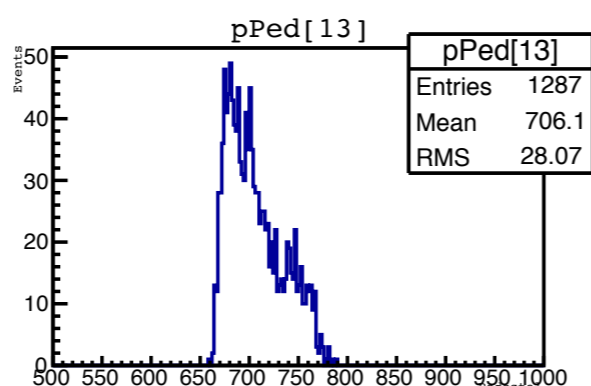
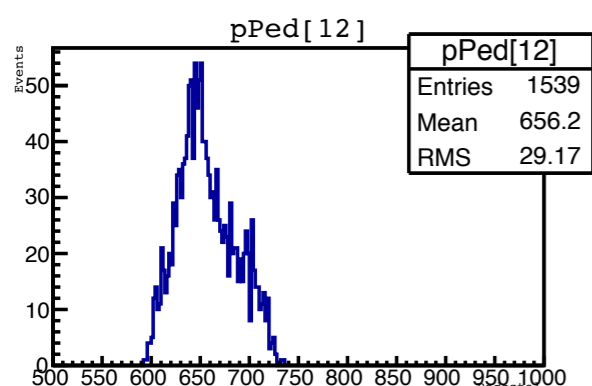
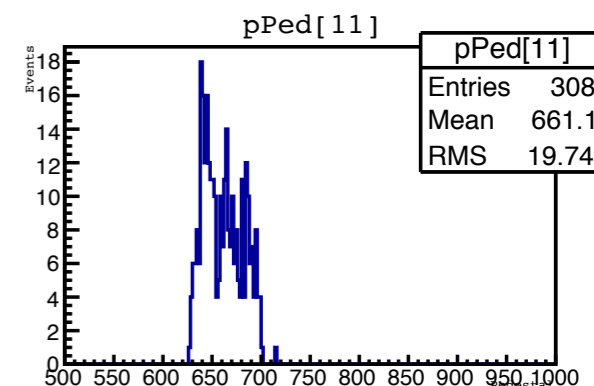
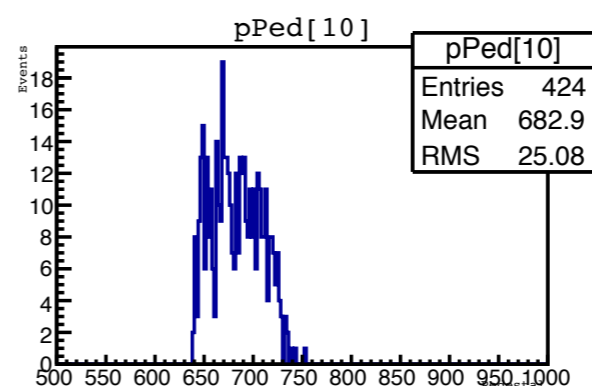
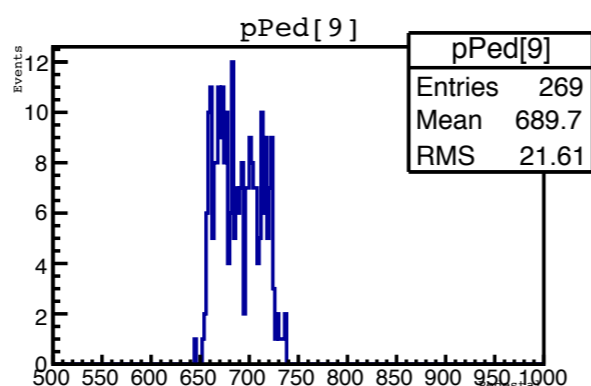
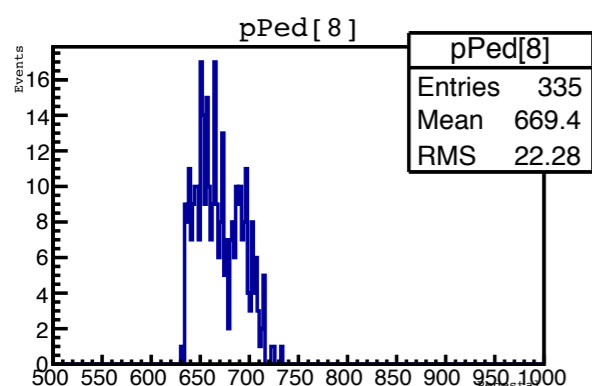
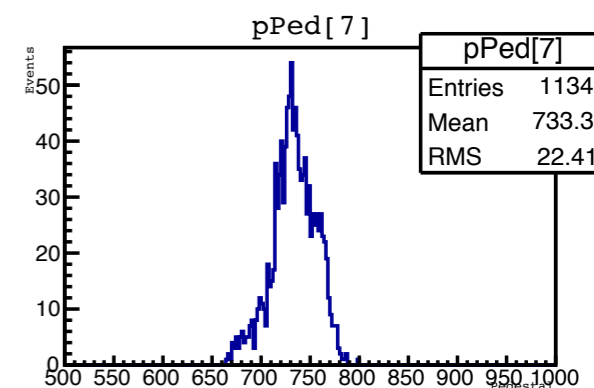
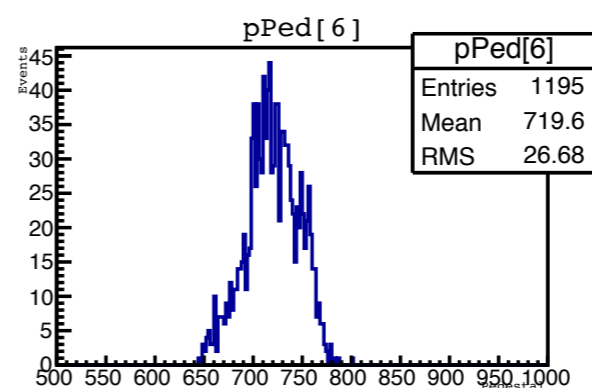
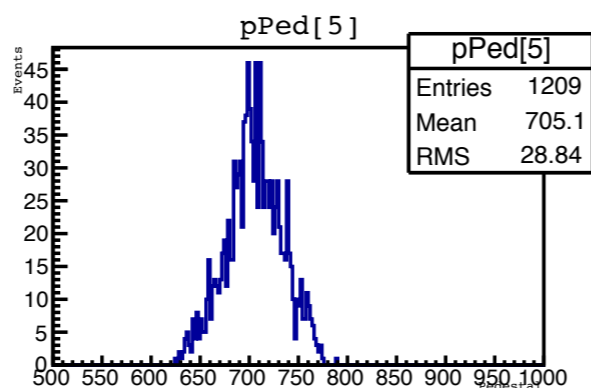
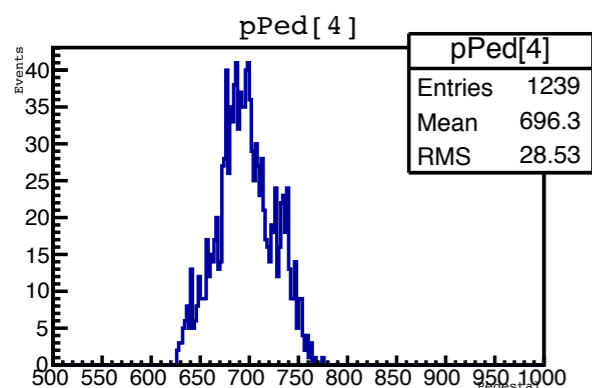
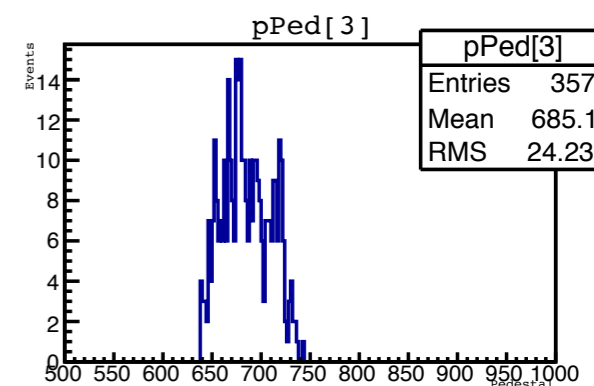
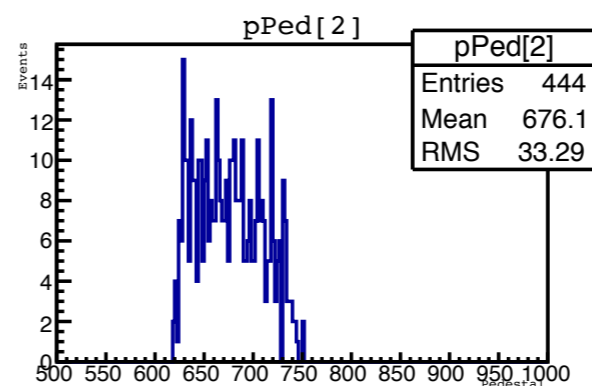
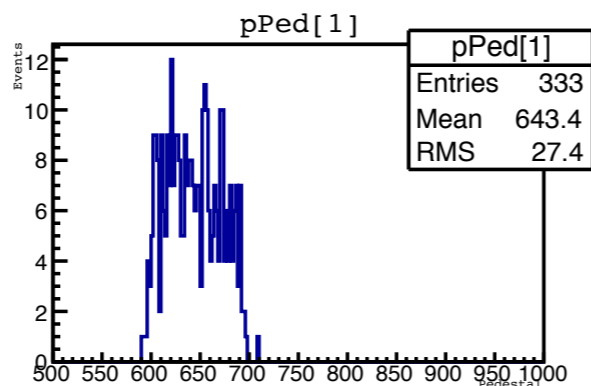
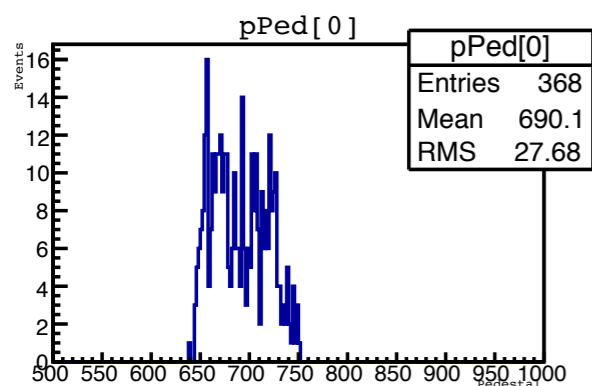
**= Ratio 2**



# DCV1 IntegratedADC Distribution (North & South & RunID & Timing & Ratio 2 Cut)



# DCV1 Pedestal Distribution (North & South & RunID & Timing & Ratio 2 Cut)



# DCV1 Pedestal Distribution (North & South & RunID & Timing Cut)

Ratio 1, Ratio 2

