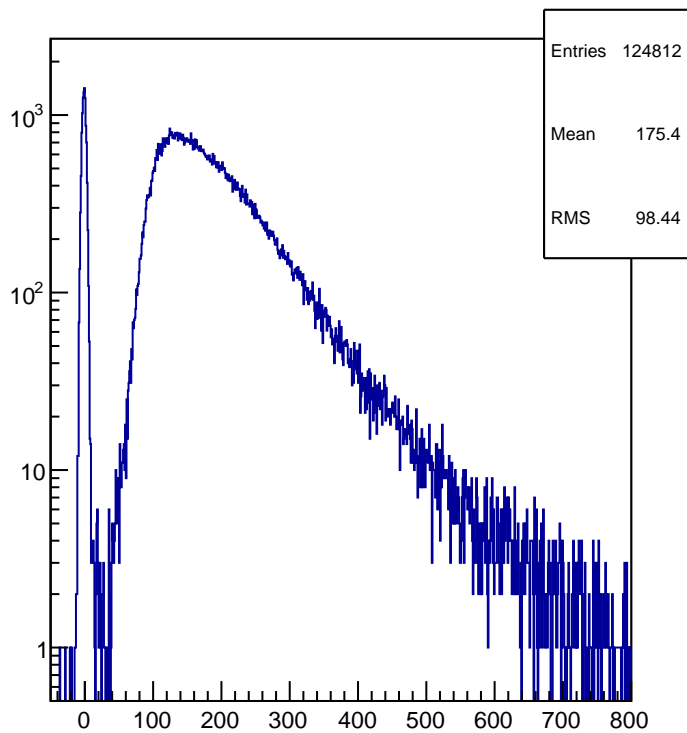


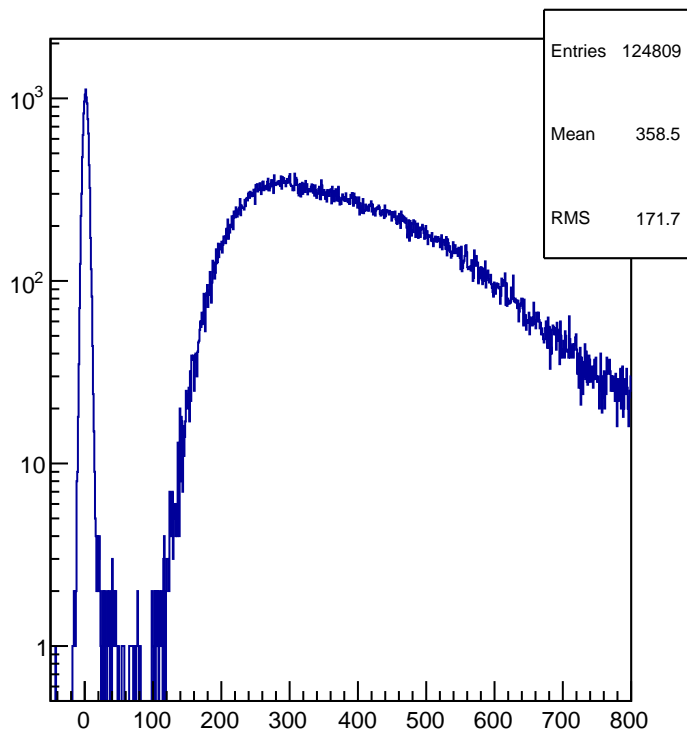
# Run #21964

## R-arm S0 ADC:ped. aligned

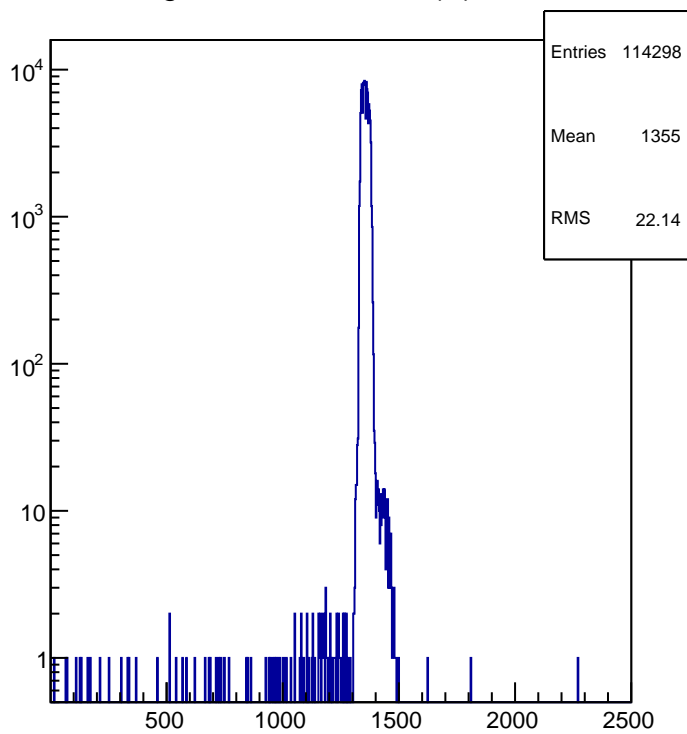
### Right arm S0-Bottom(A) ADC (PedSub)



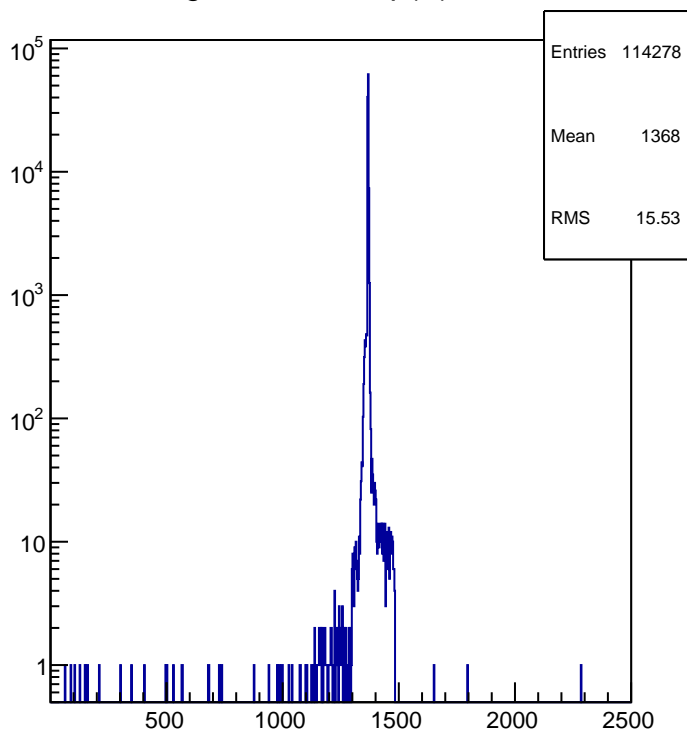
### Right arm S0-Top(B) ADC (PedSub)



### Right arm S0-Bottom(A) TDC

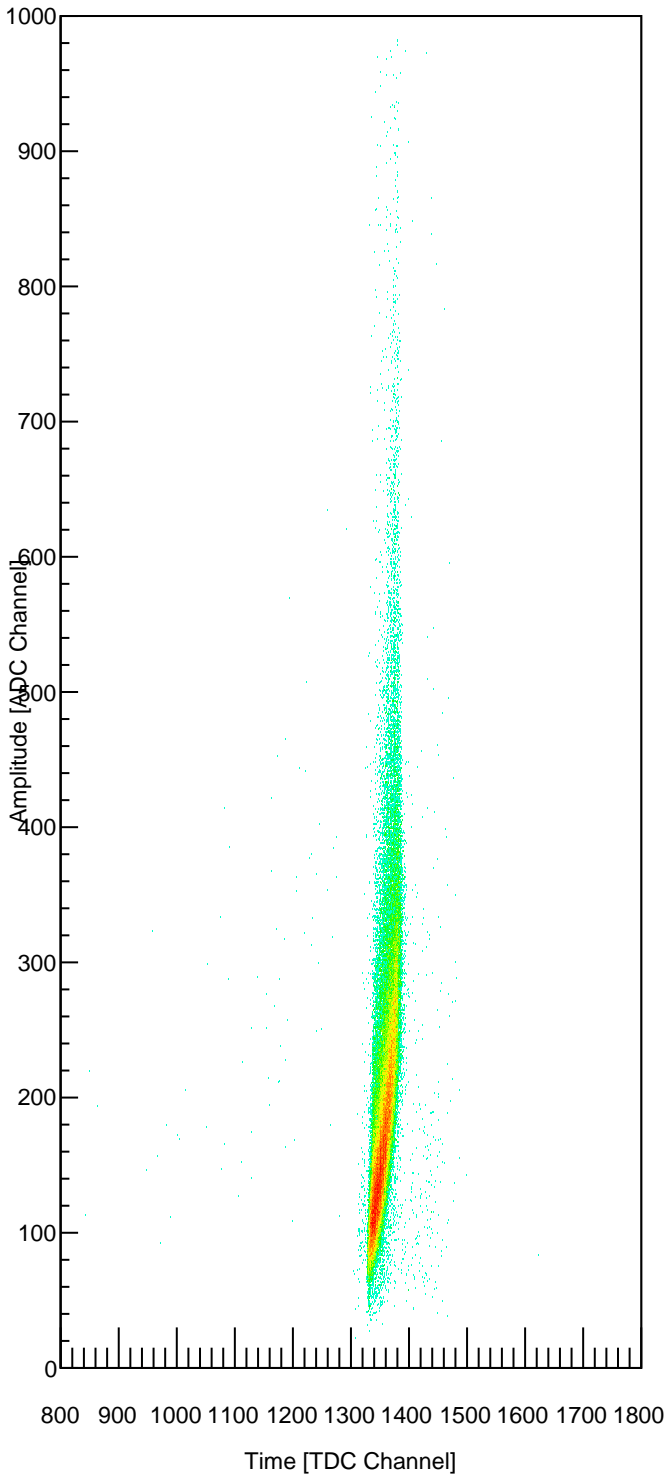


### Right arm S0-Top(B) TDC

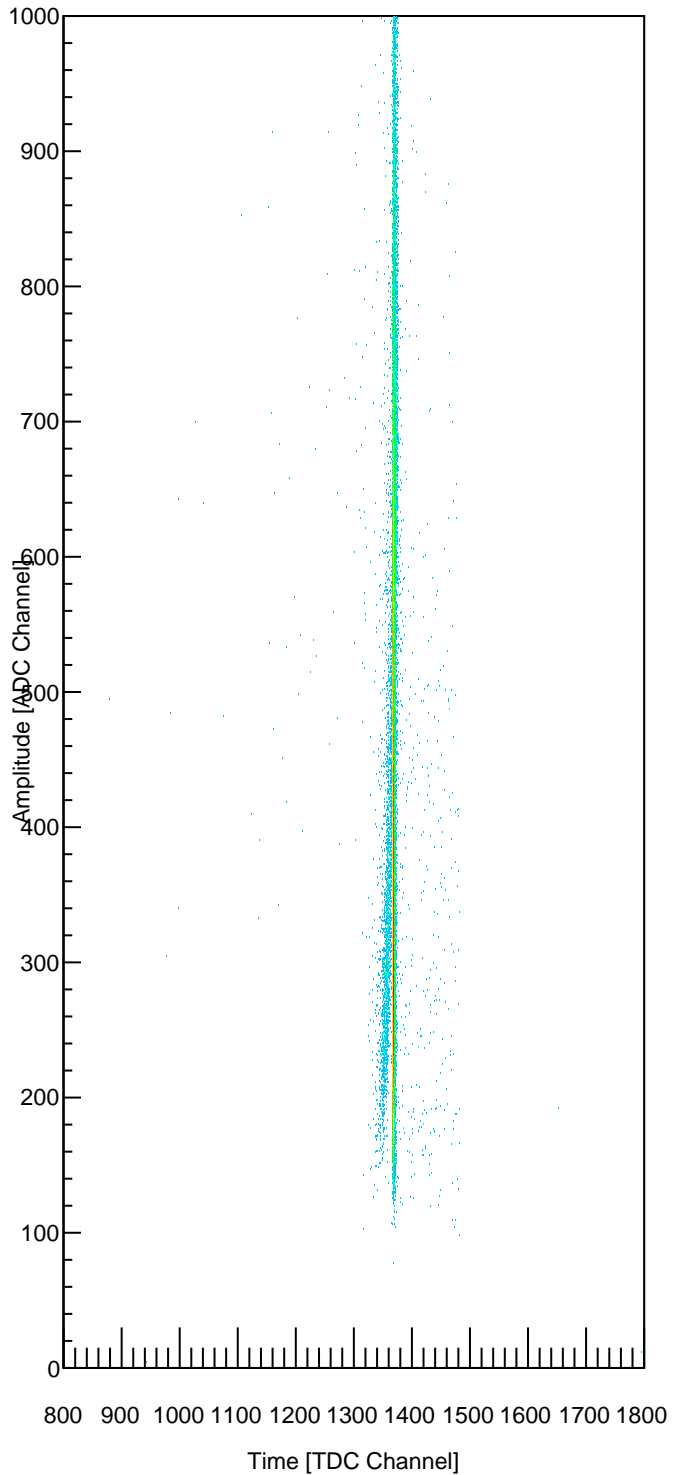


## R-arm S0 Amplitude vs. Time

### S0-Bottom(A): Amplitude vs. Time

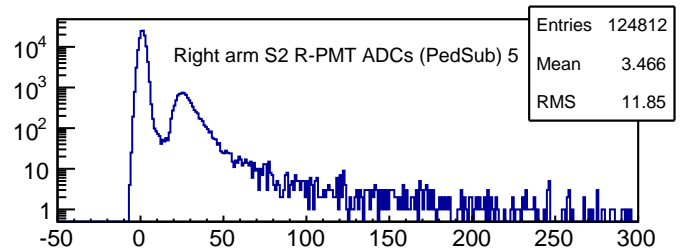
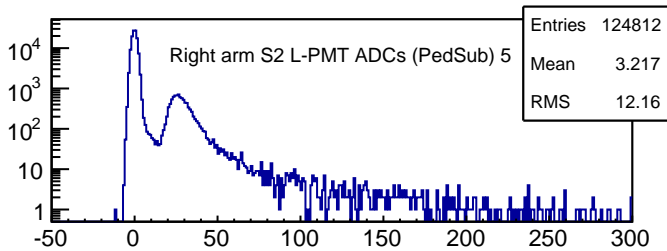
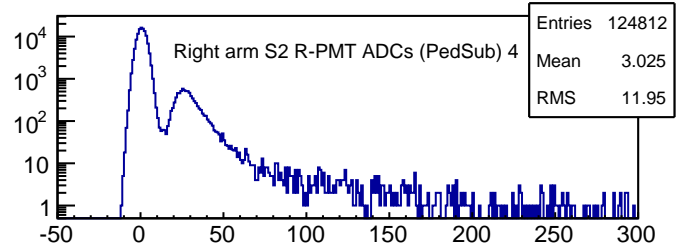
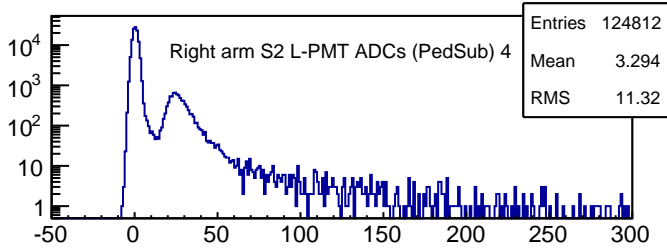
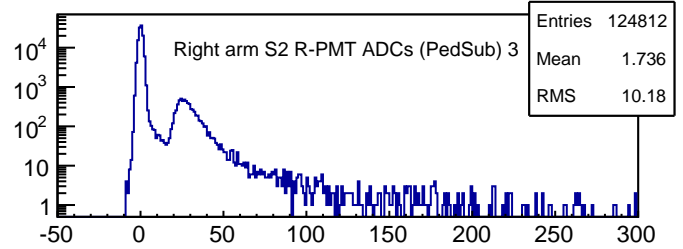
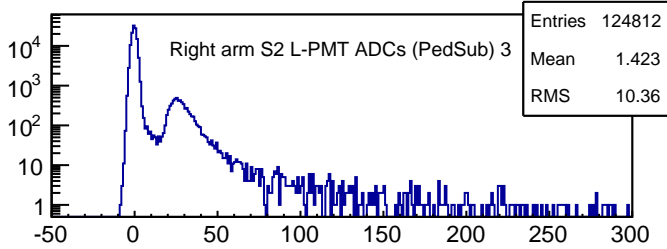
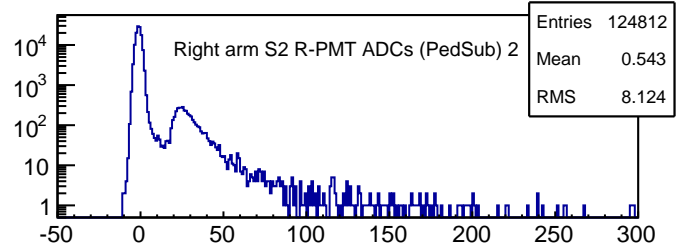
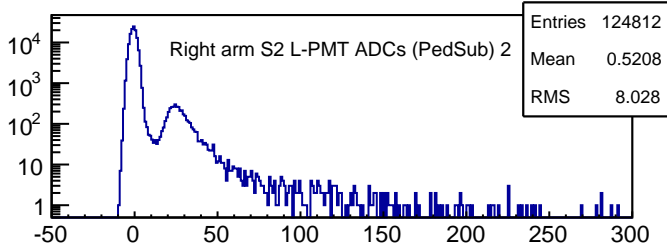
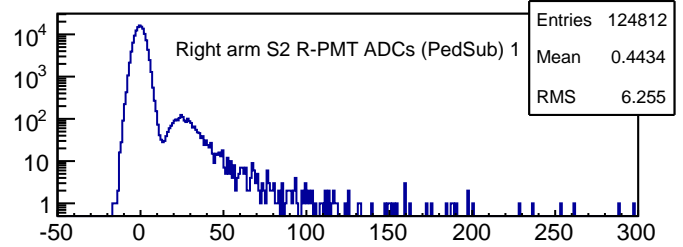
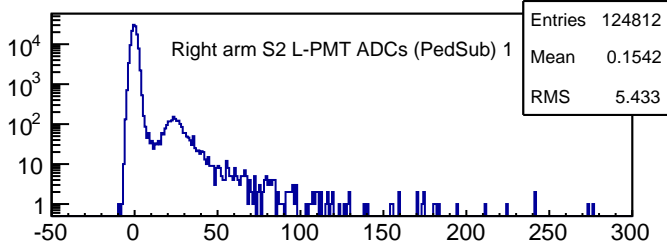
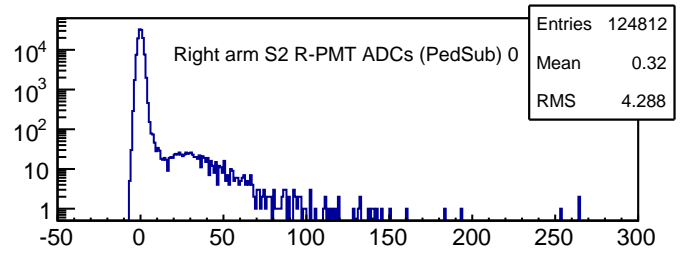
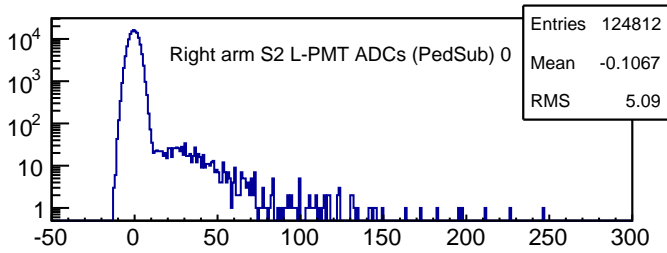


### S0-Top(B): Amplitude vs. Time



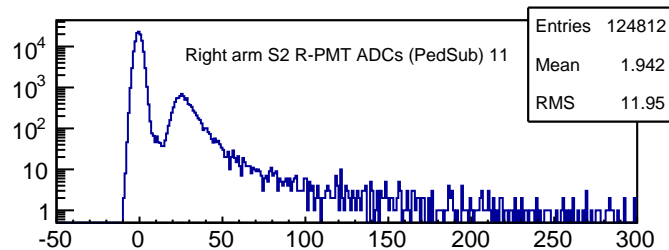
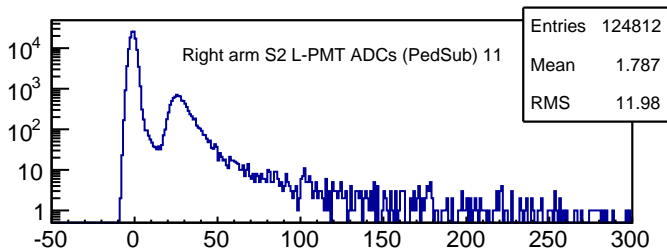
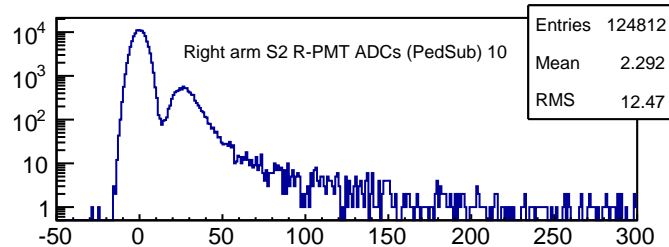
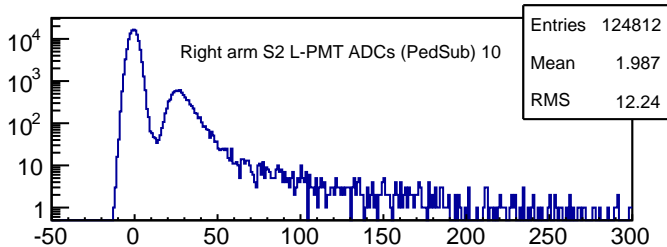
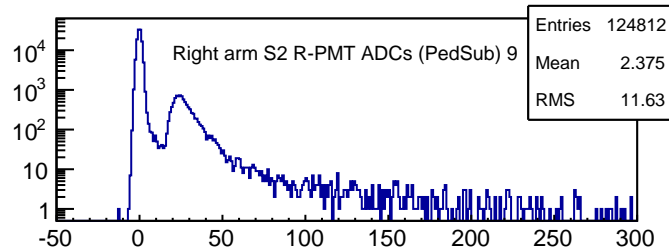
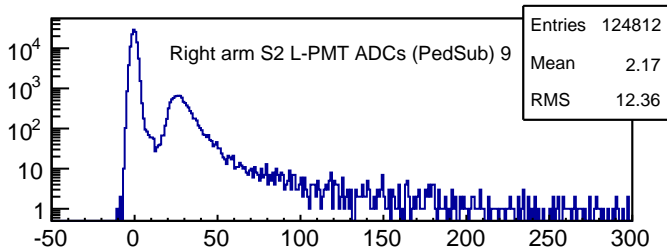
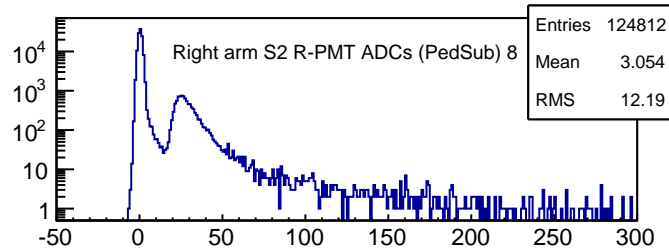
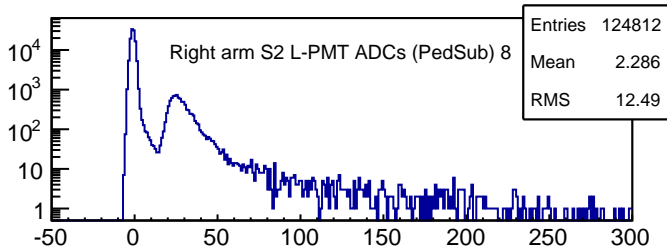
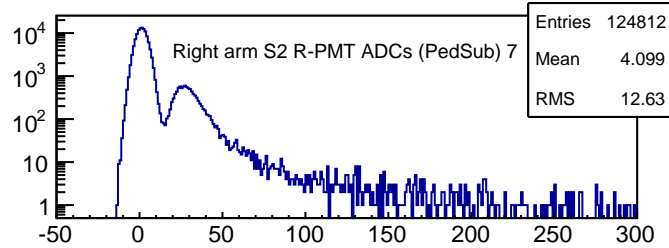
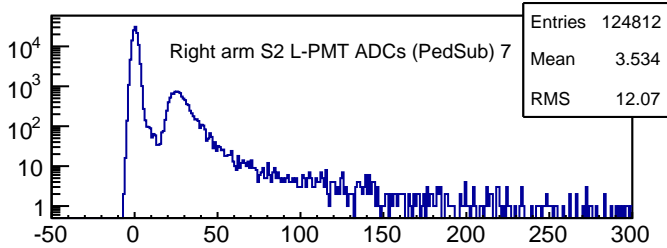
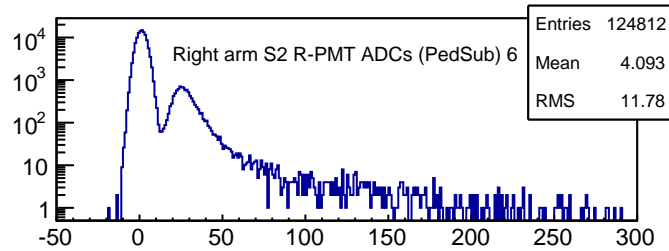
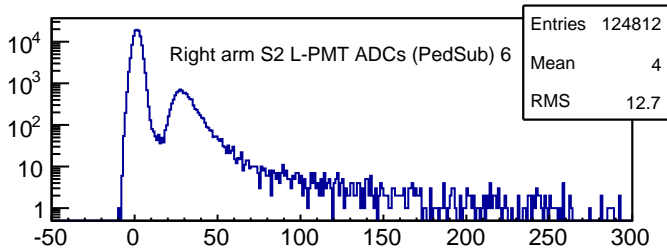
# Run #21964

## R-arm S2m ADC:ped. aligned (0-5)



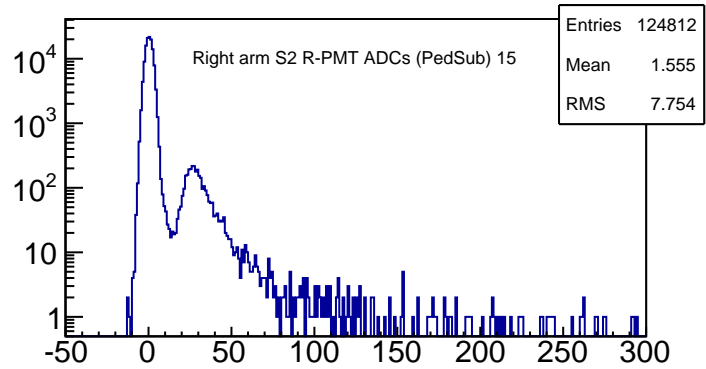
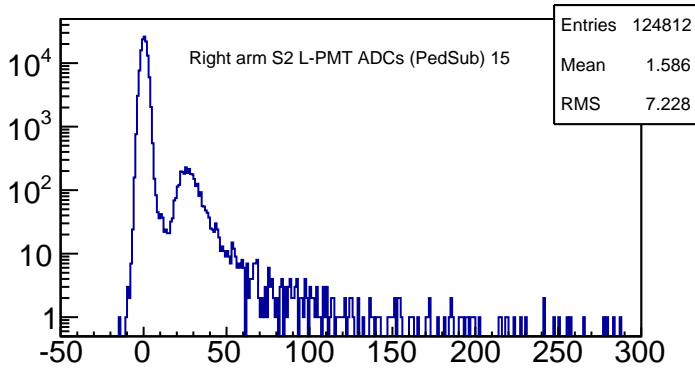
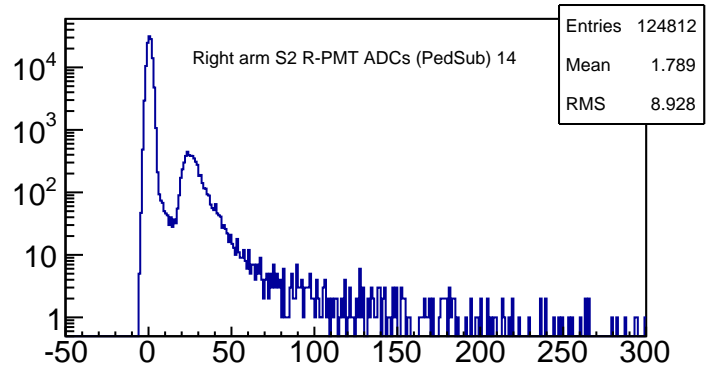
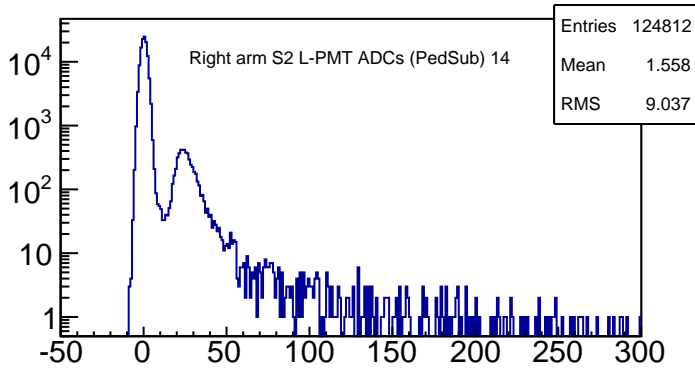
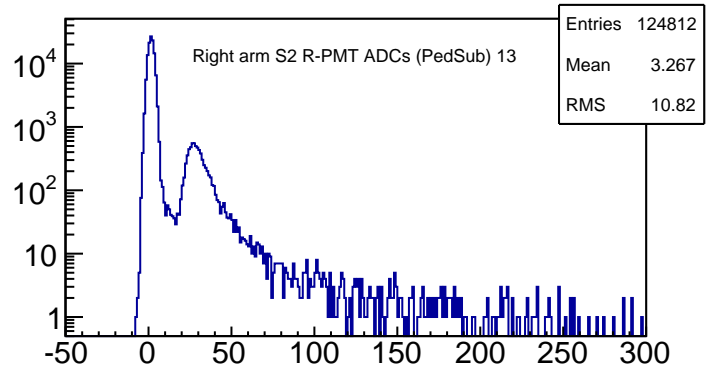
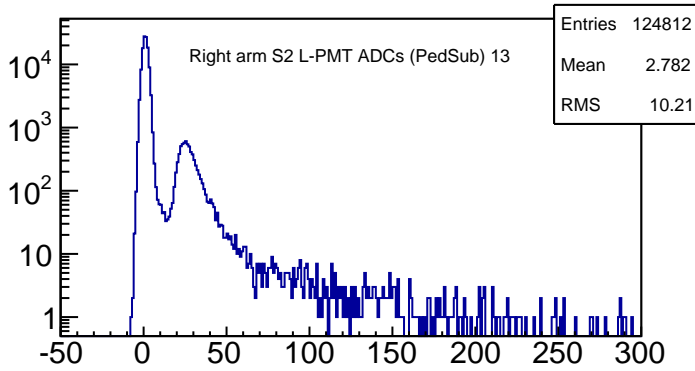
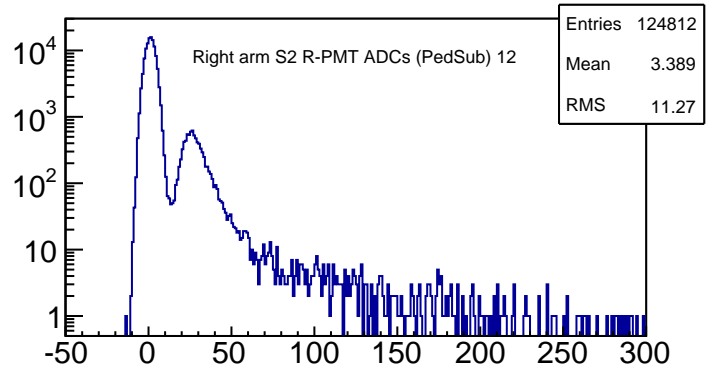
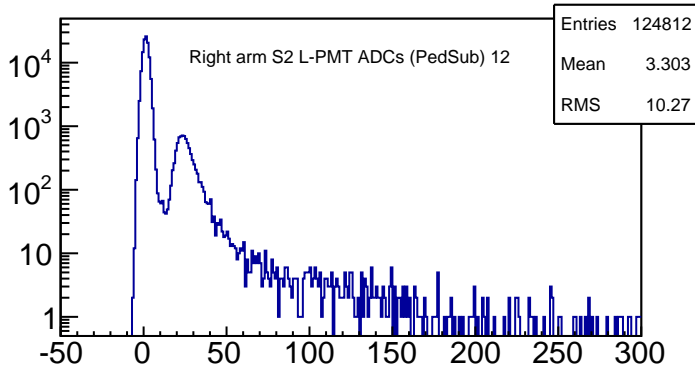
# Run #21964

## R-arm S2m ADC:ped. aligned (6-11)



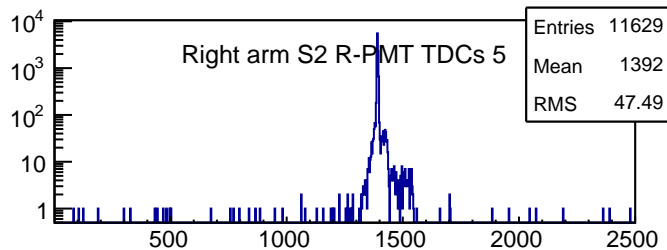
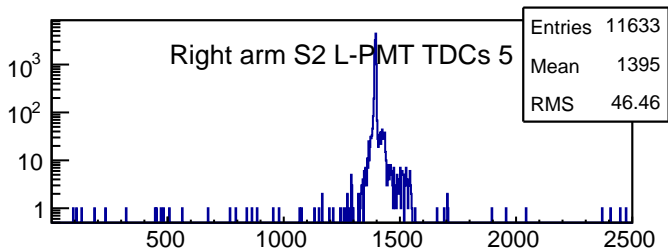
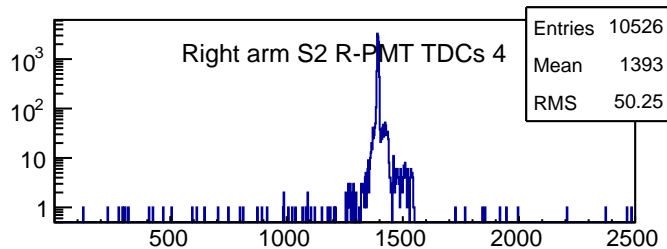
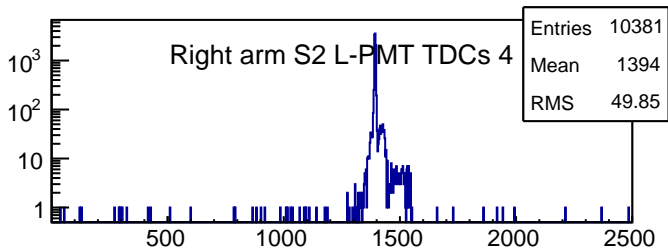
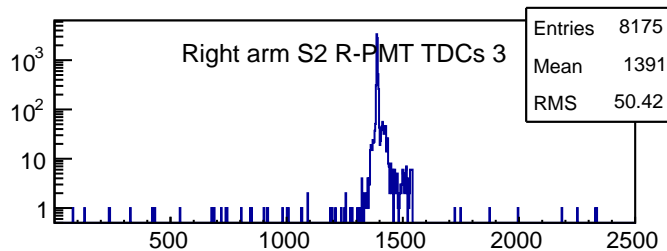
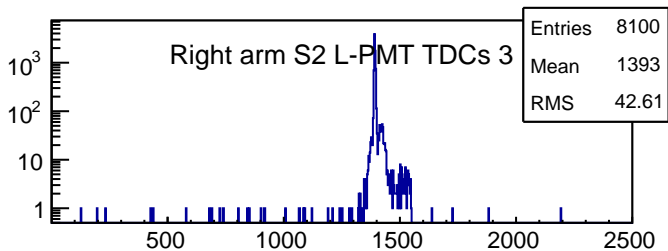
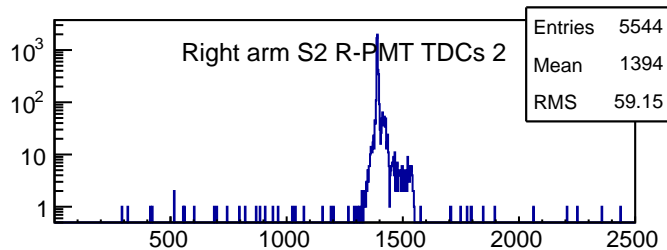
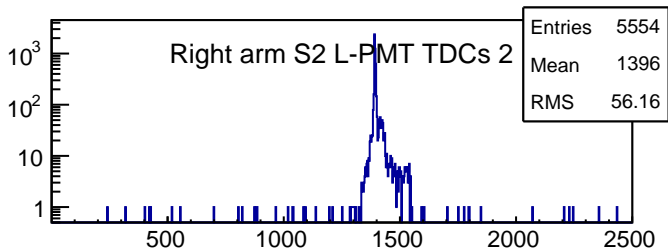
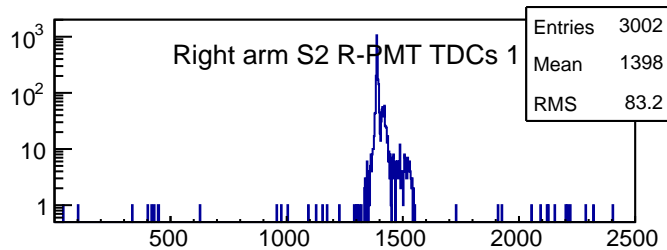
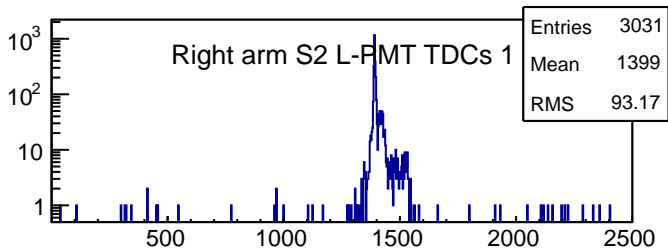
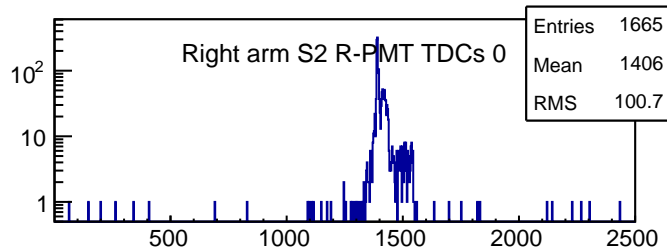
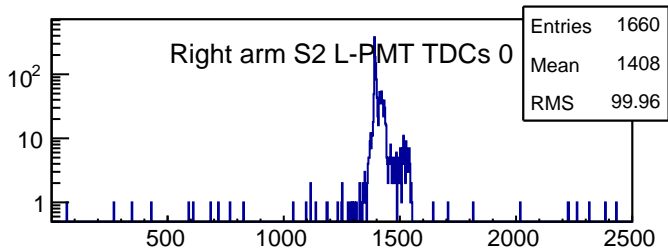
# Run #21964

## R-arm S2m ADC:ped. aligned (12-15)



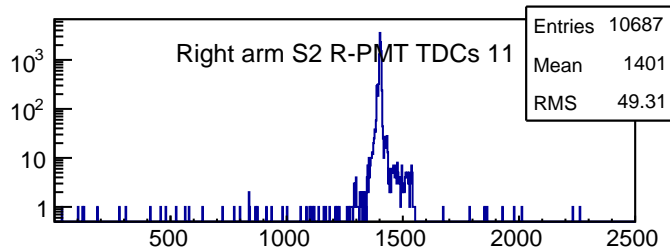
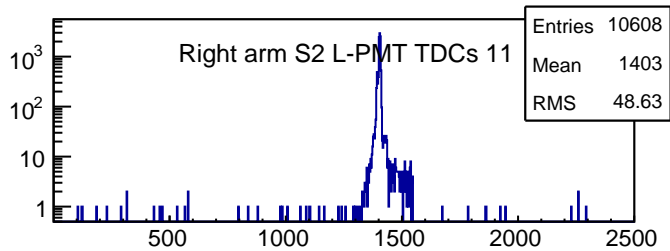
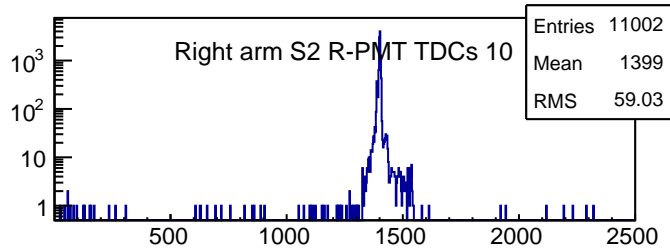
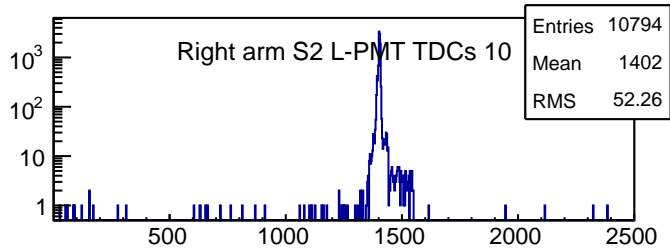
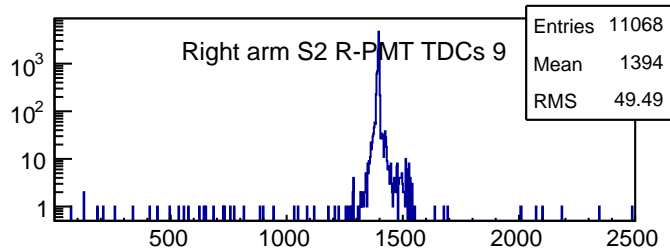
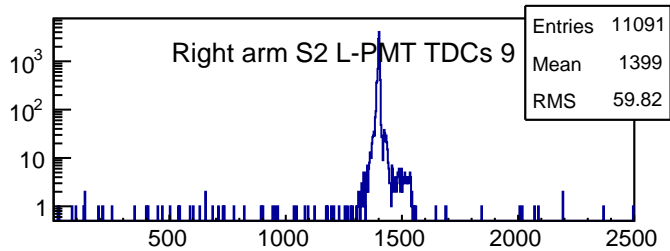
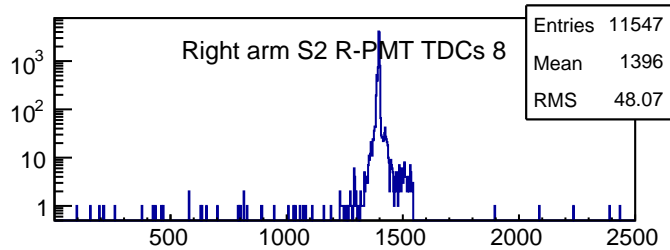
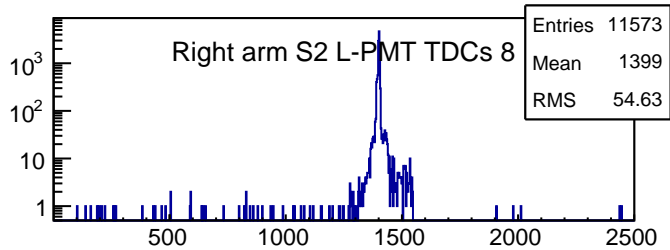
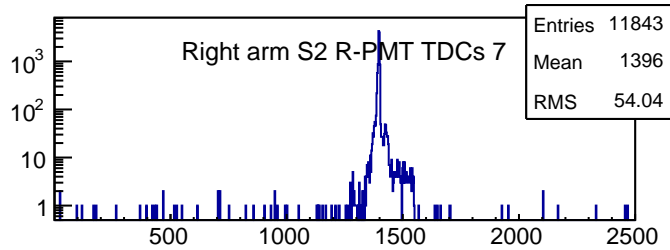
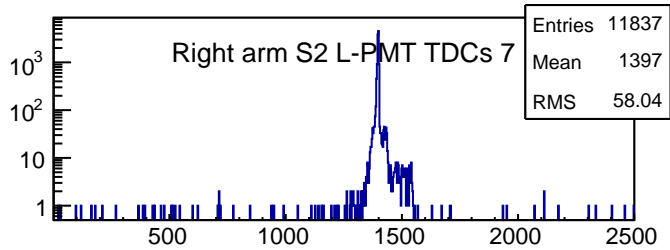
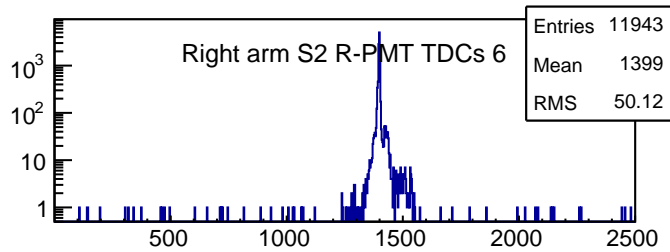
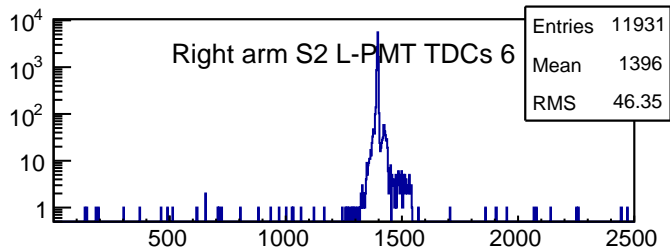
# Run #21964

## R-arm S2m TDC (0-5)



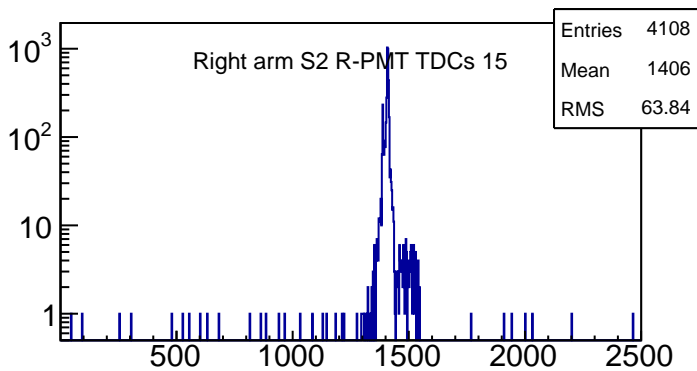
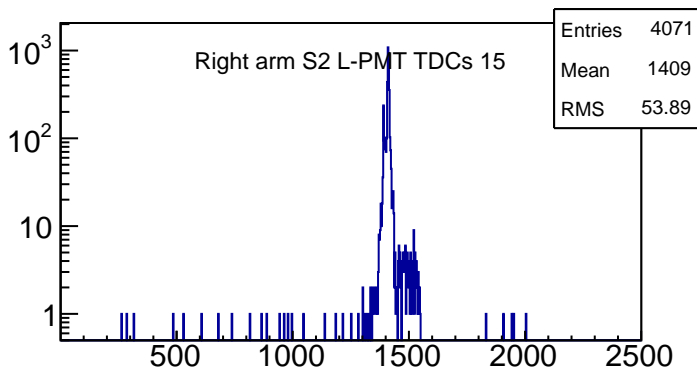
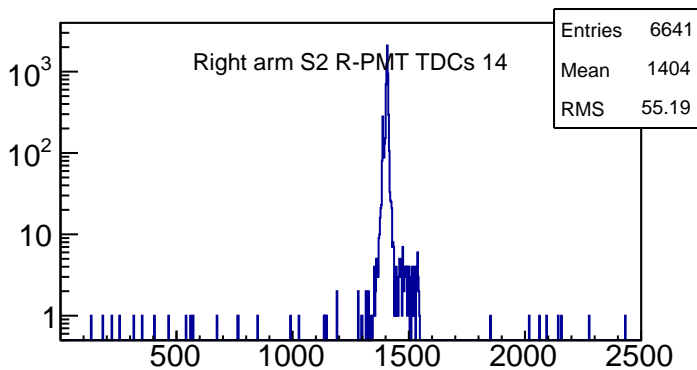
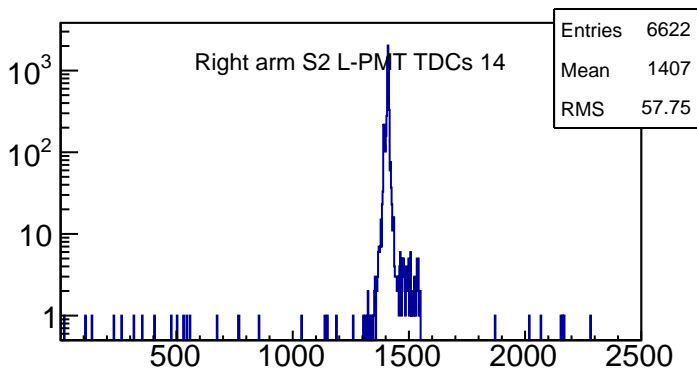
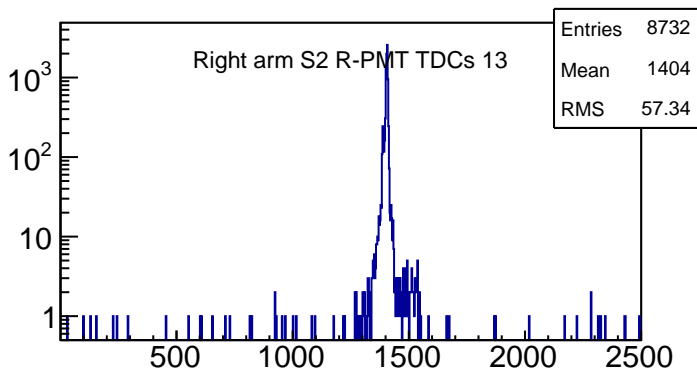
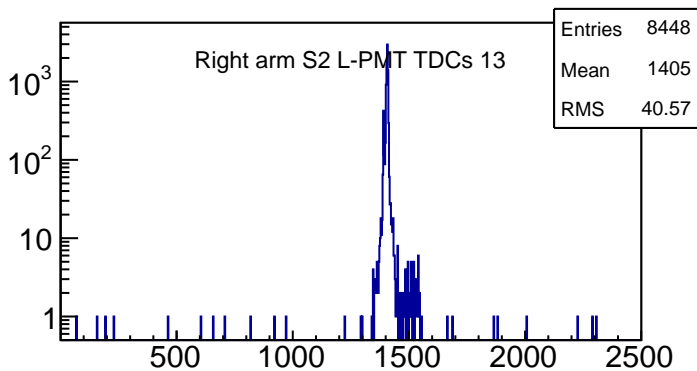
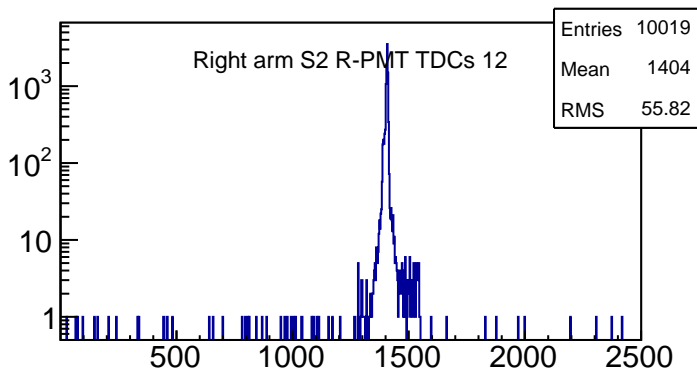
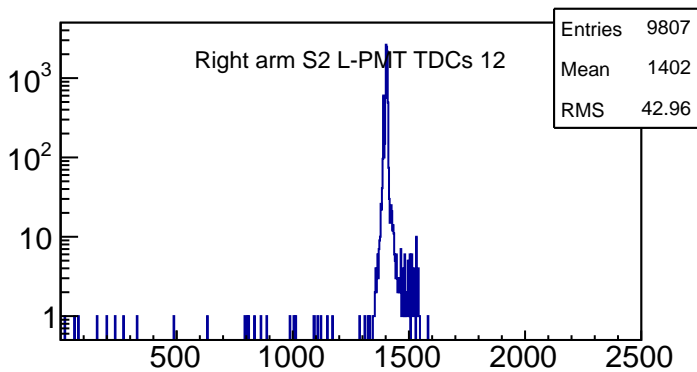
# Run #21964

## R-arm S2m TDC (6-11)



# Run #21964

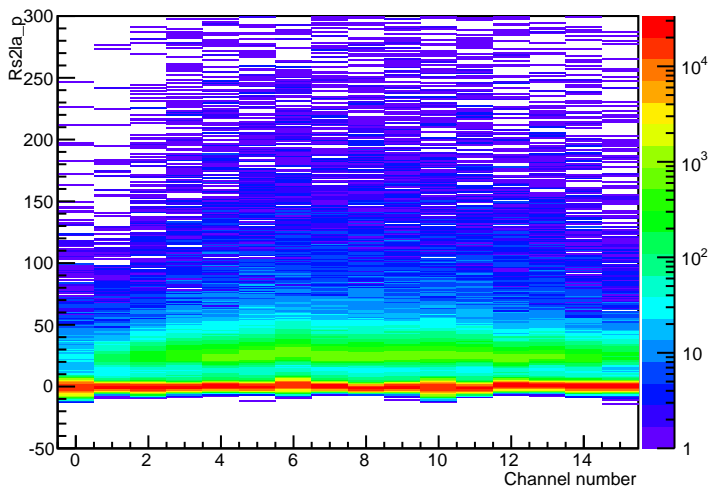
## R-arm S2m TDC (12-15)



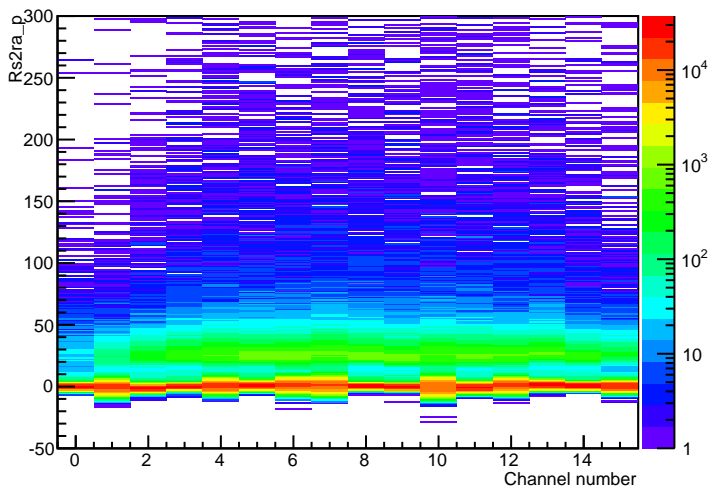


## R-arm S2m compact plots

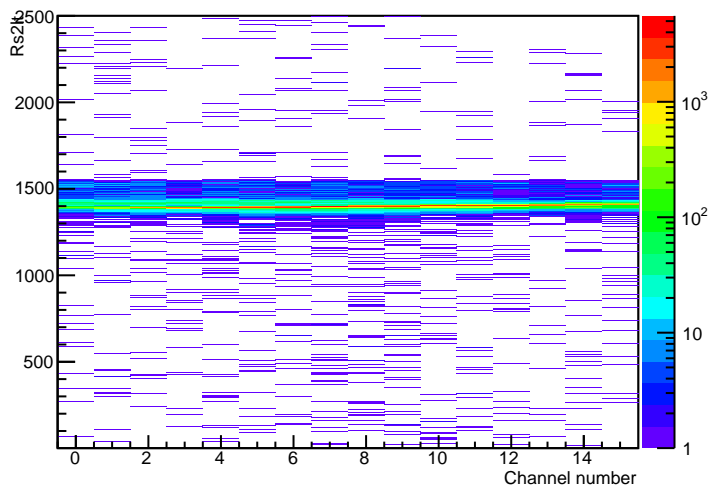
Rs2la\_p0-15



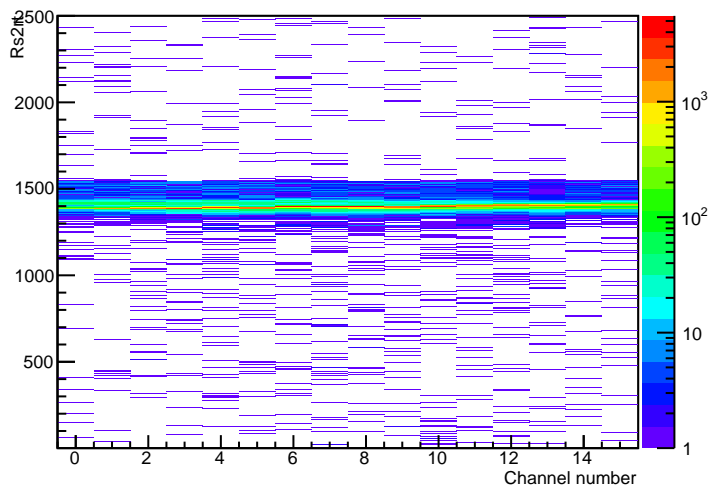
Rs2ra\_p0-15



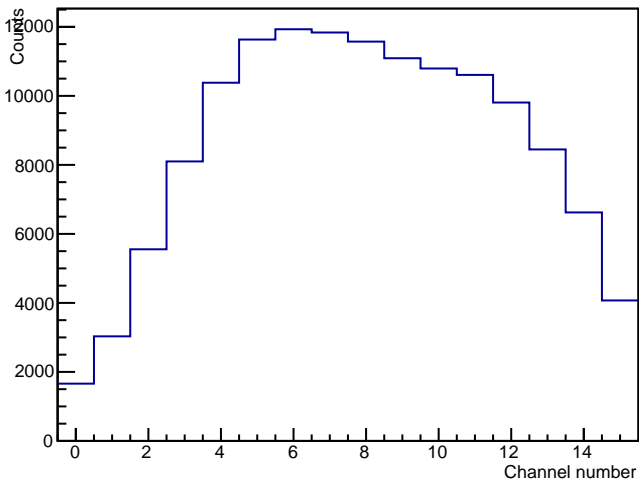
Rs2lt0-15



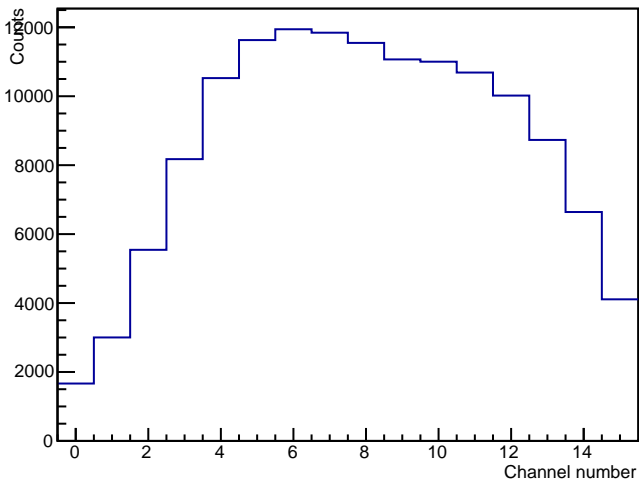
Rs2rt0-15



Rs2lt0-15\_counts

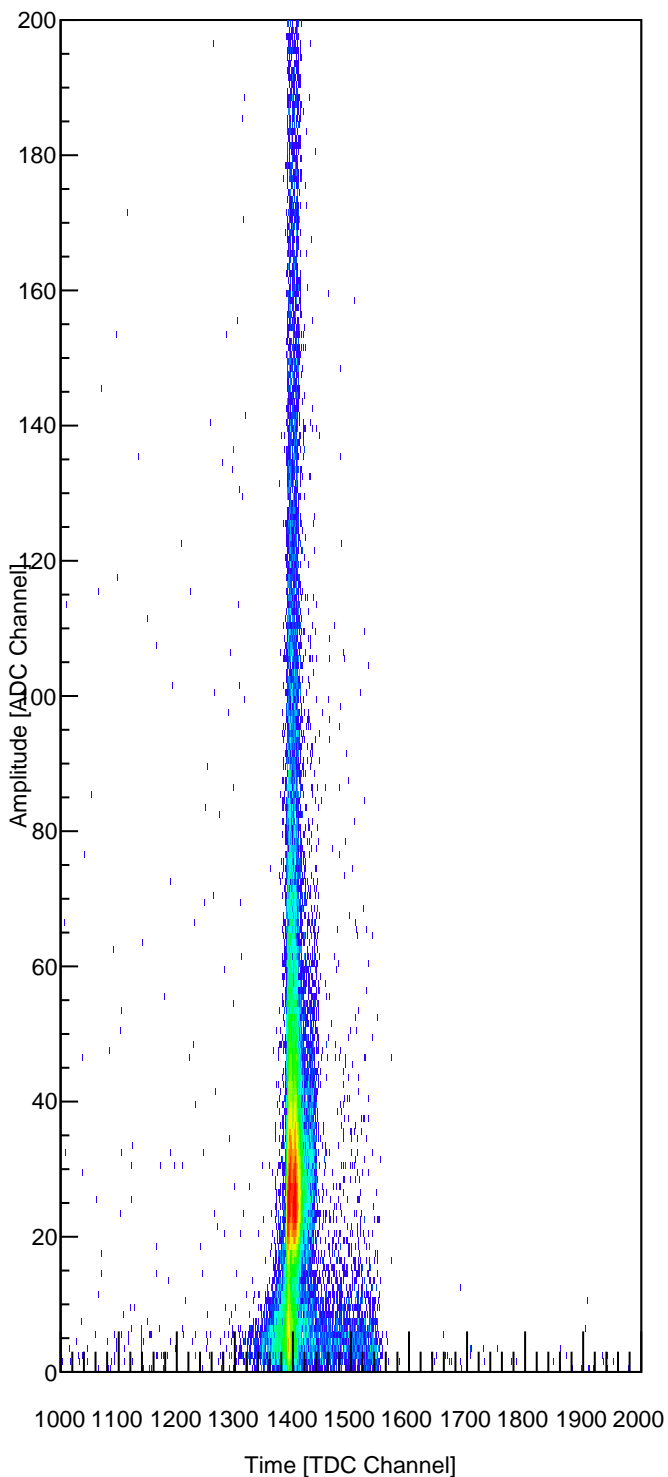


Rs2rt0-15\_counts

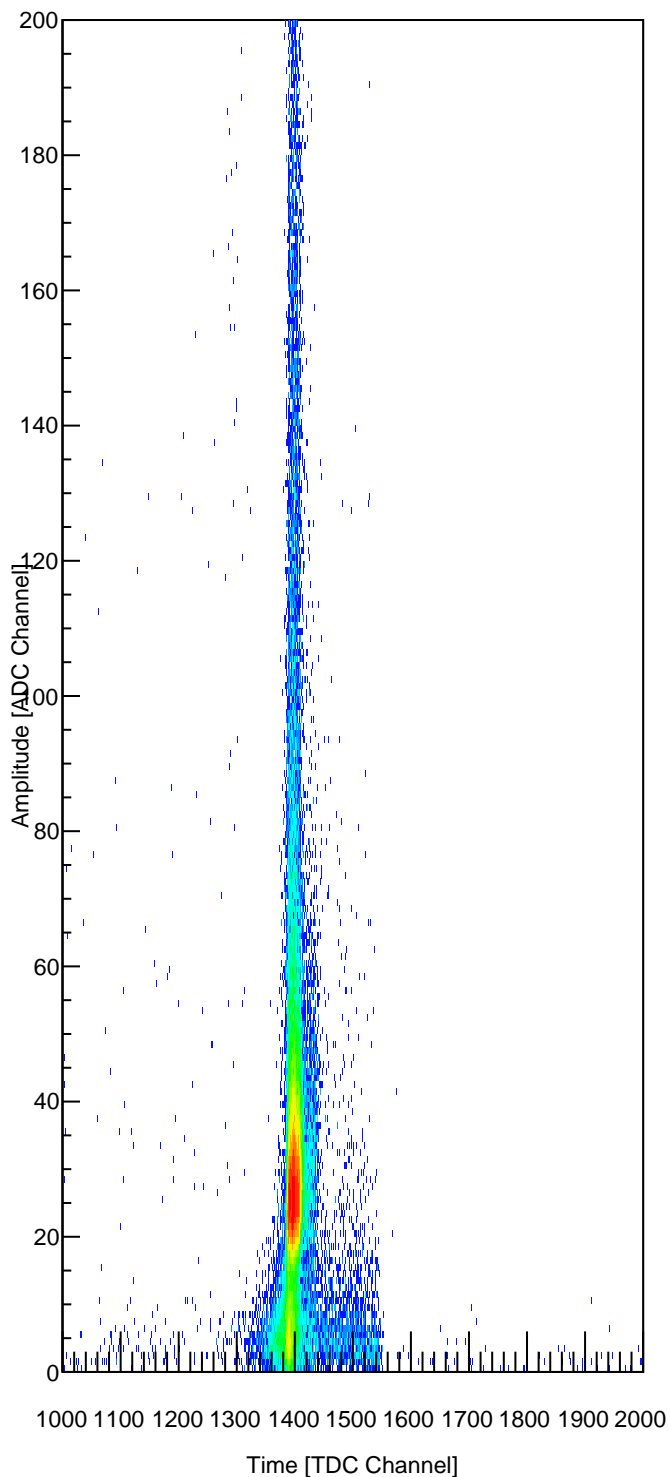


## R-arm S2m Amplitude vs. Time

### All Left S2 PMTs: Amplitude vs. Time

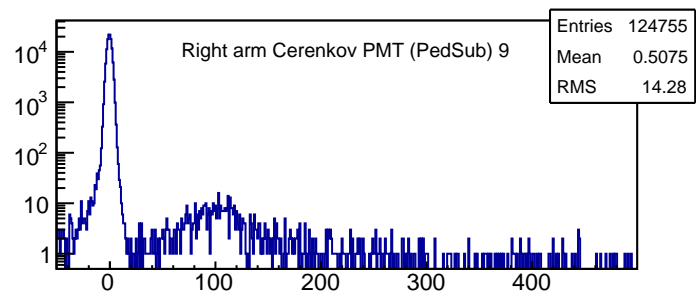
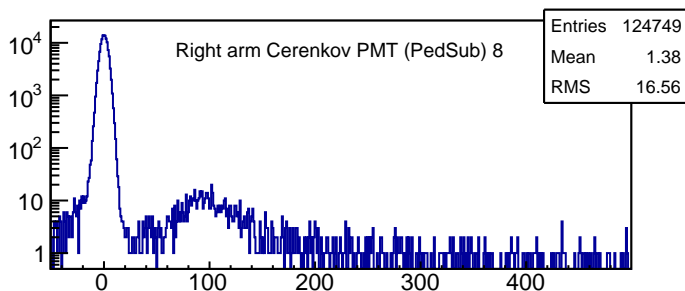
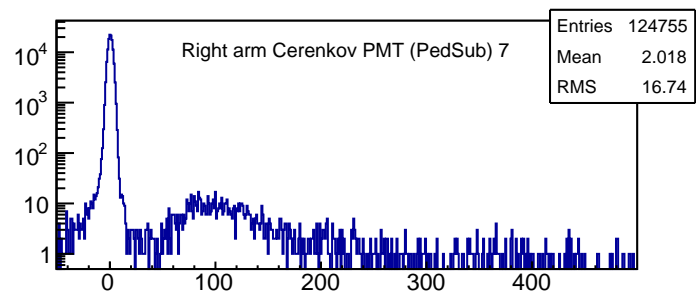
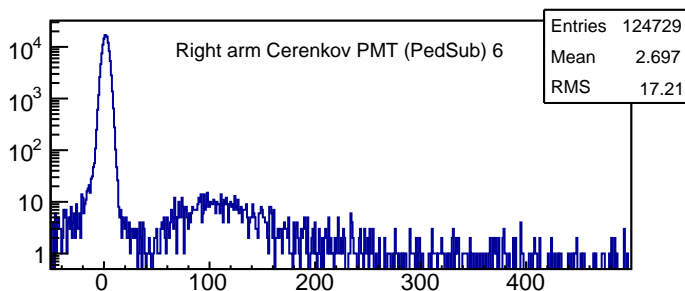
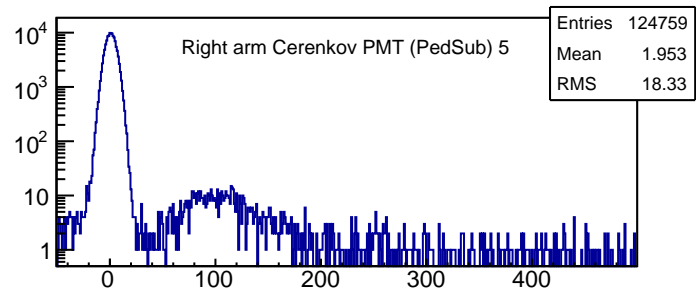
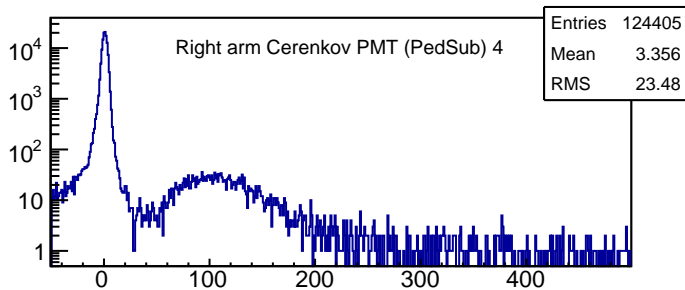
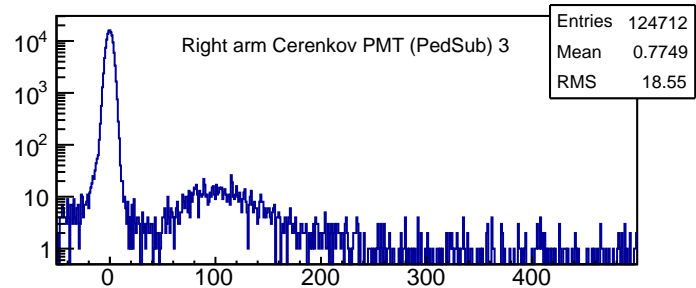
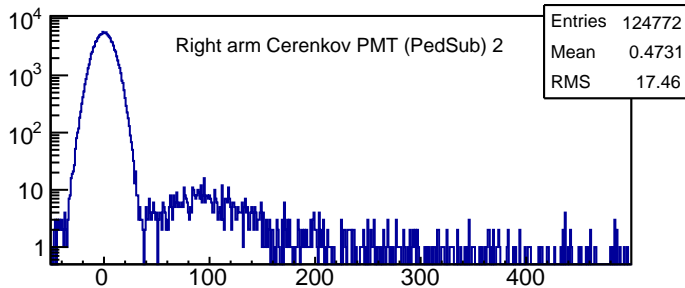
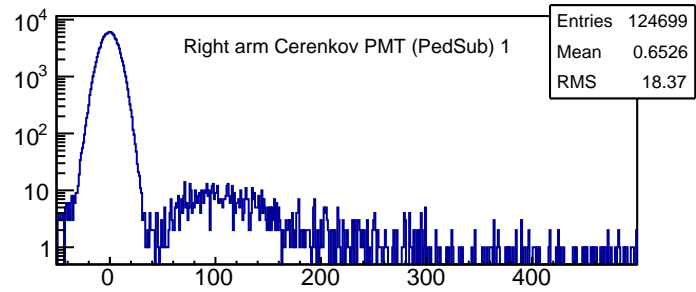
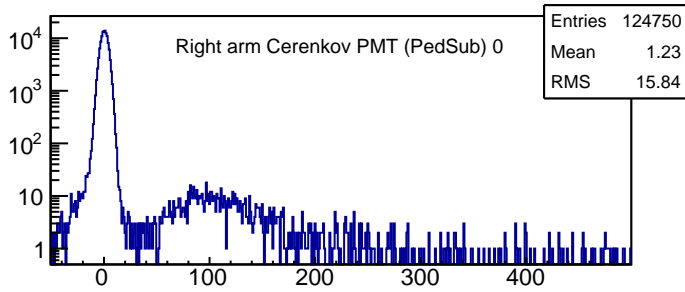


### All Right S2 PMTs: Amplitude vs. Time



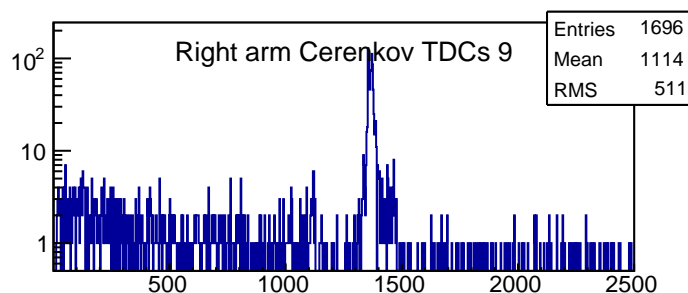
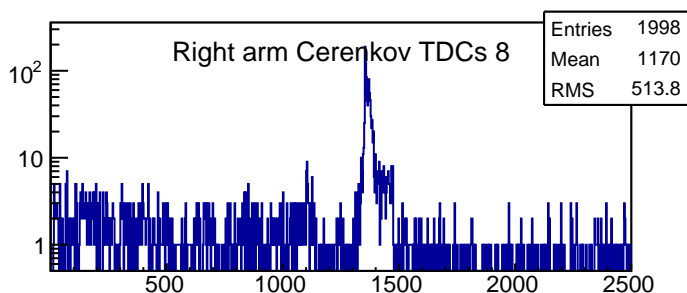
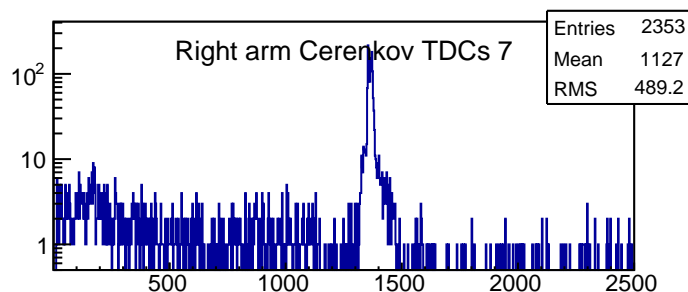
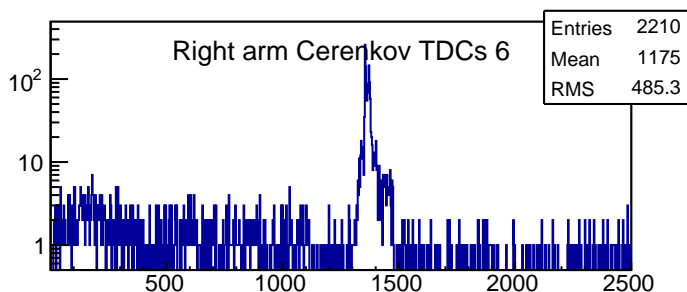
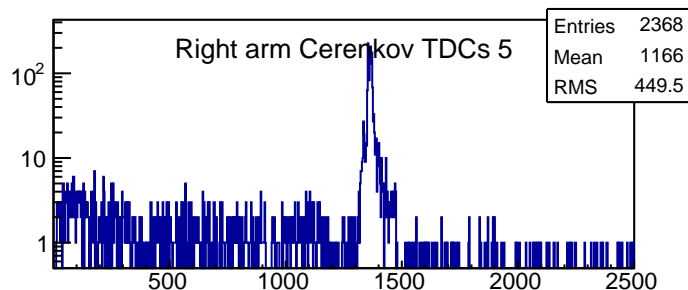
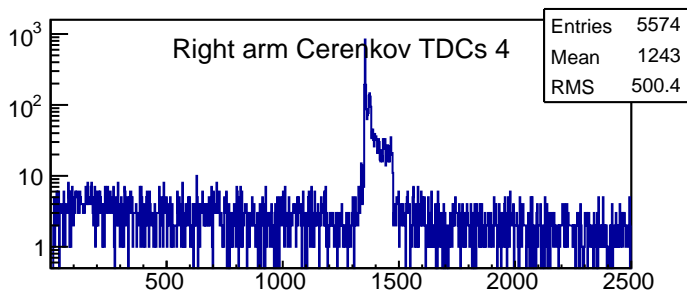
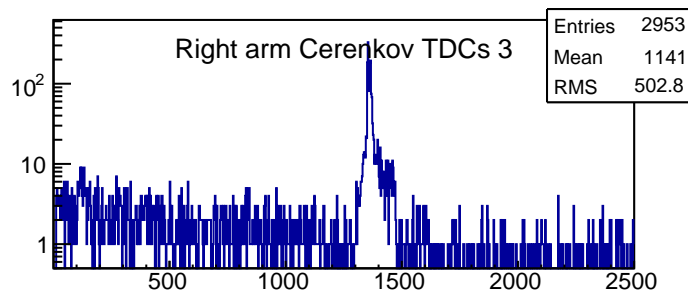
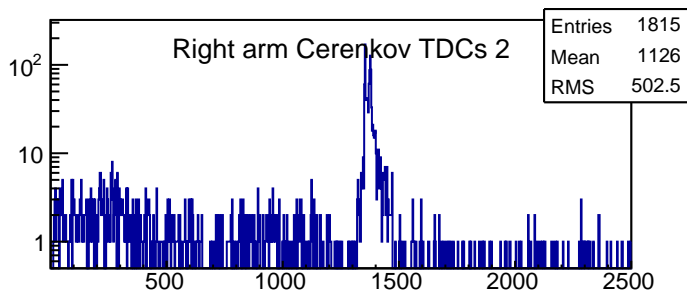
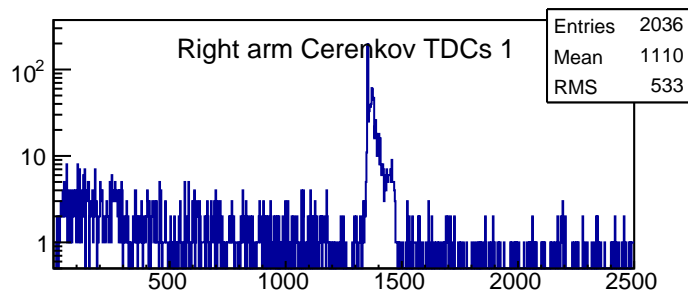
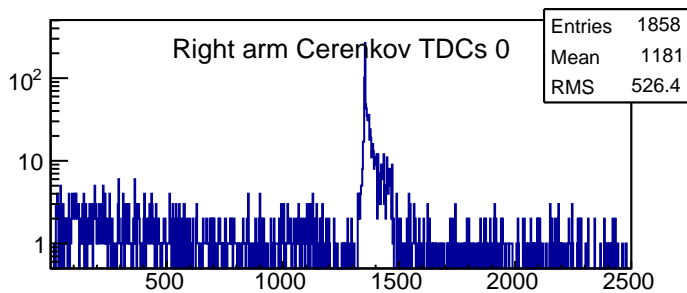
# Run #21964

## R-arm Cerenkov ADC:ped. aligned (0-9)



# Run #21964

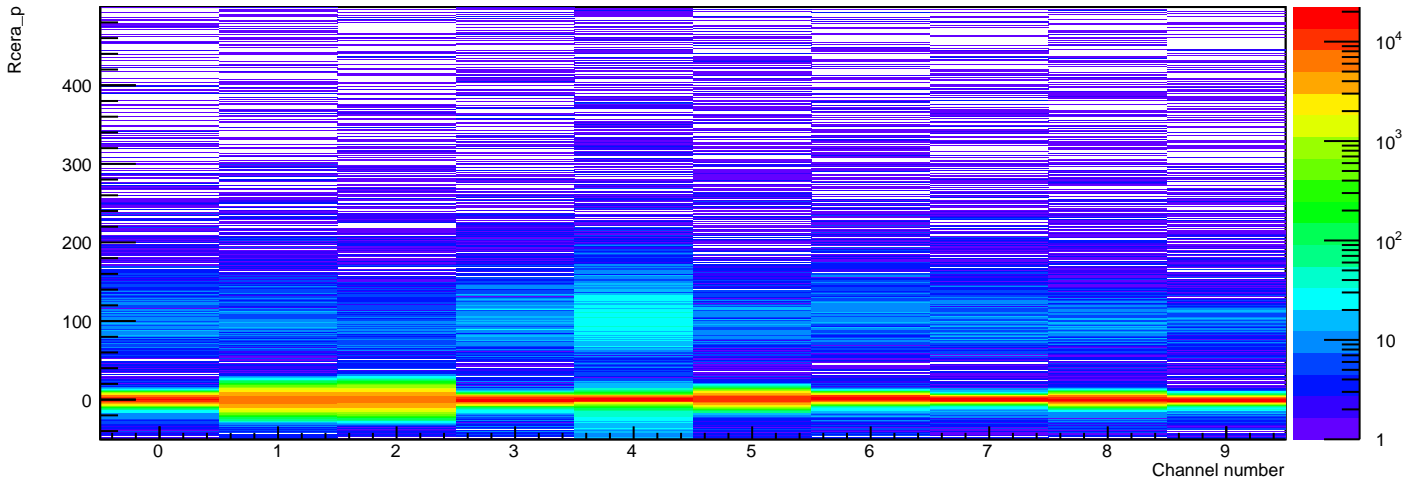
## R-arm Cerenkov TDC (0-9)



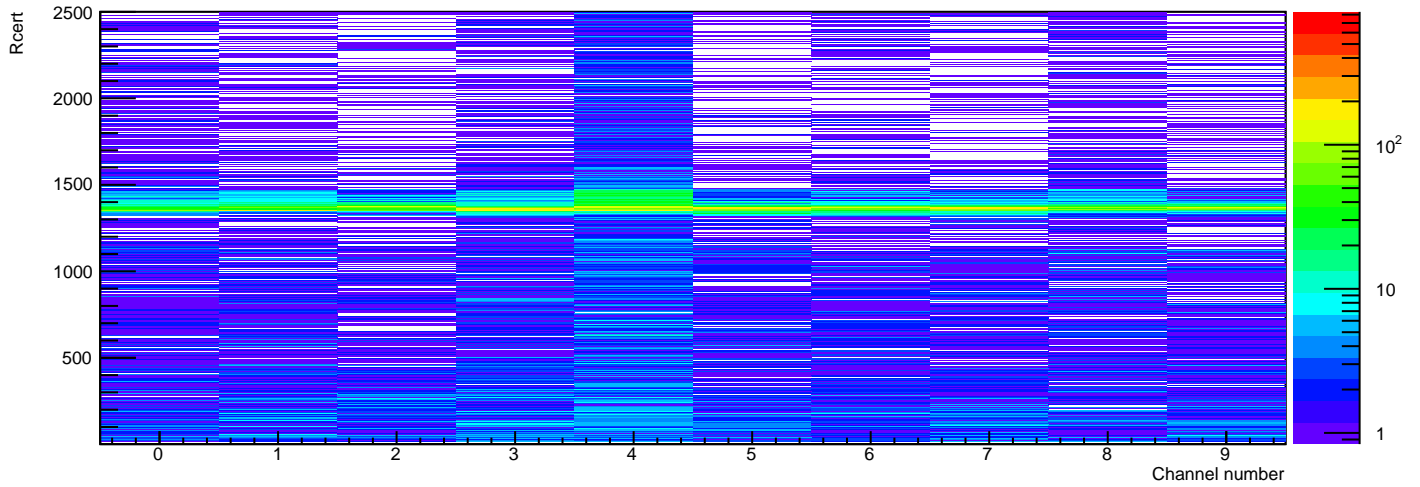
# Run #21964

## R-arm Cerenkov compact plots

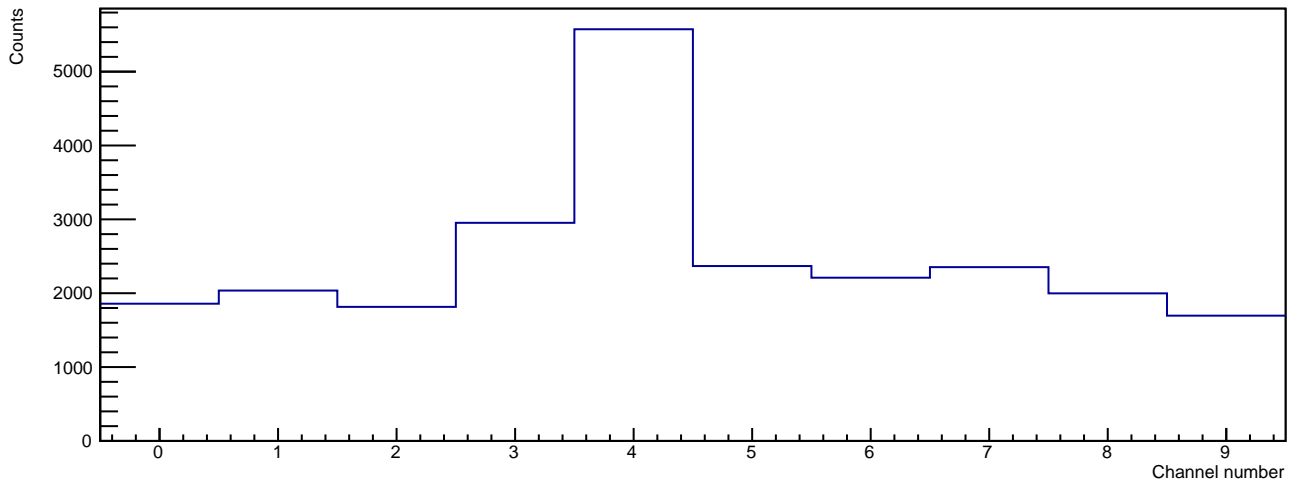
Rcera\_p0-9



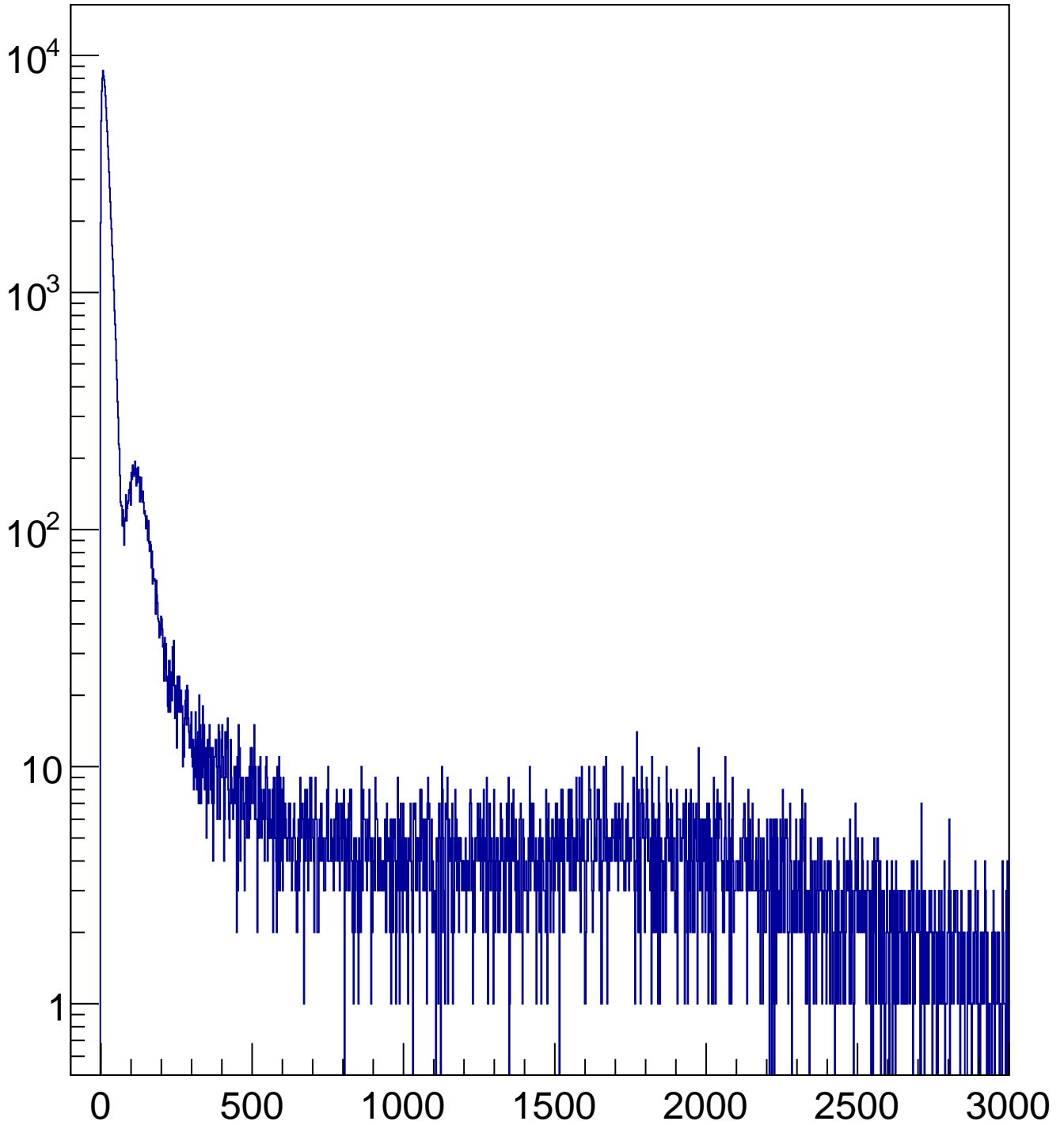
Rcert0-9



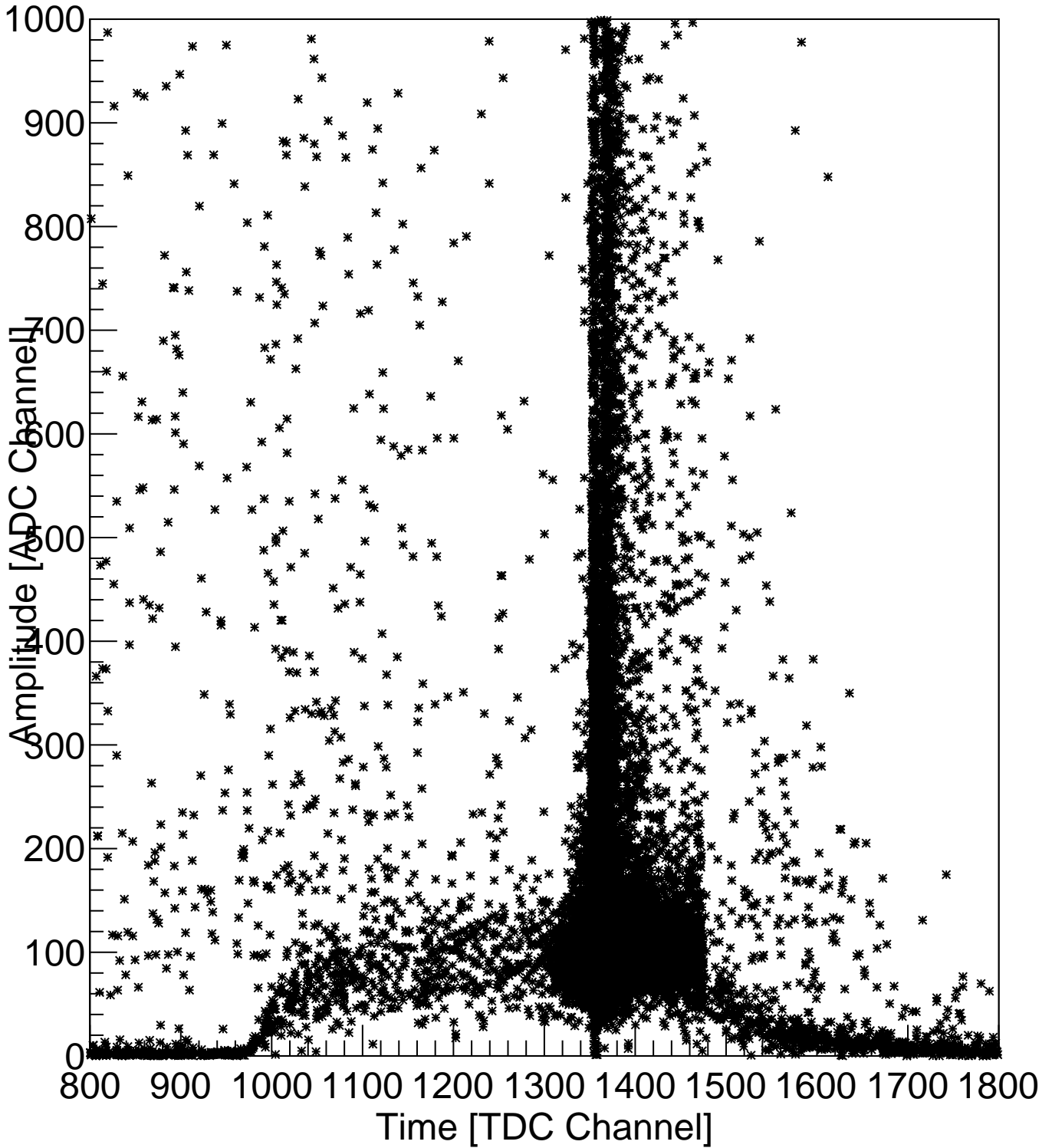
Rcert0-9\_counts



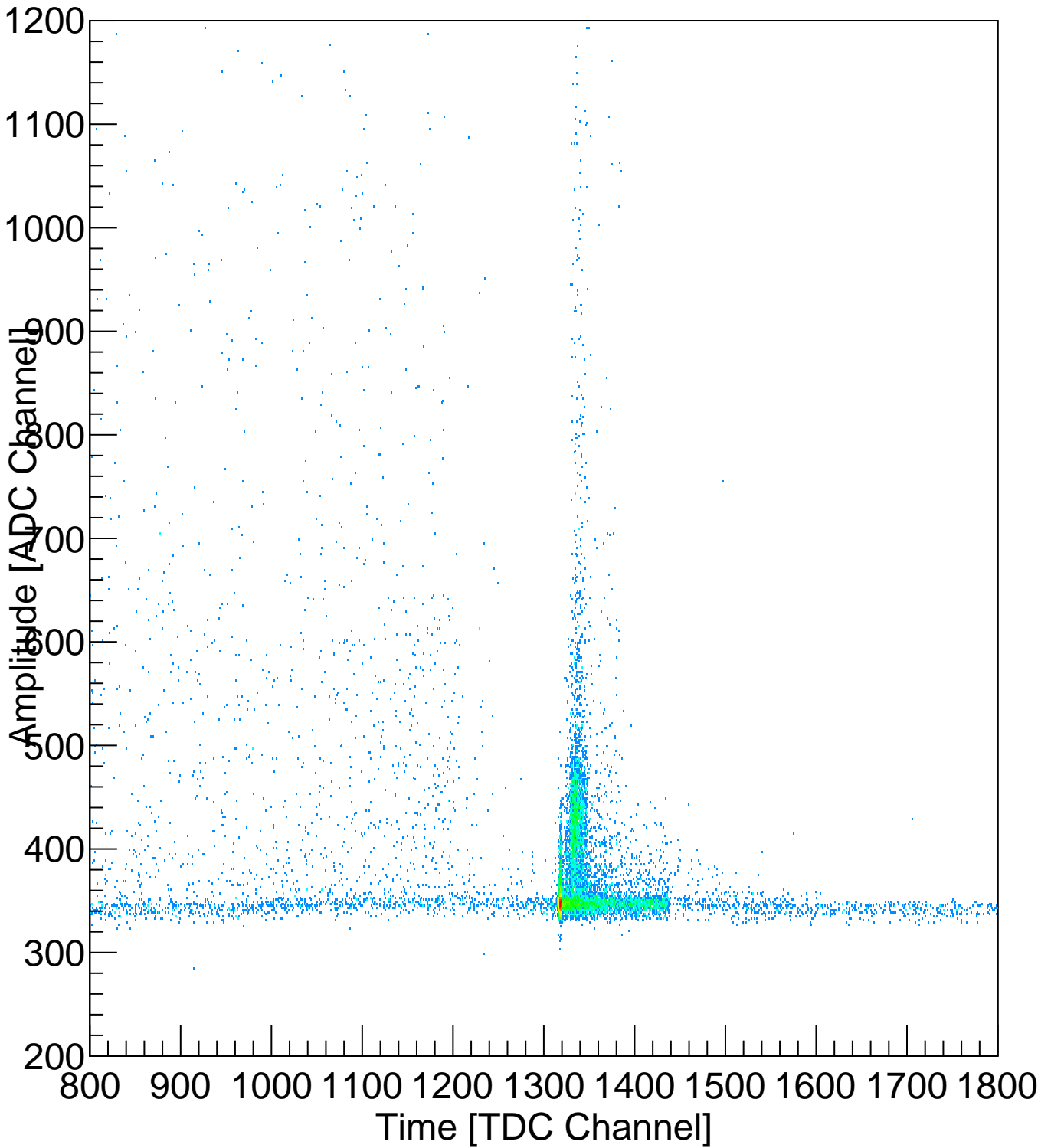
# Right arm Cerenkov sum (corrected)



# All Cherenkov PMTs: Amplitude vs. Time



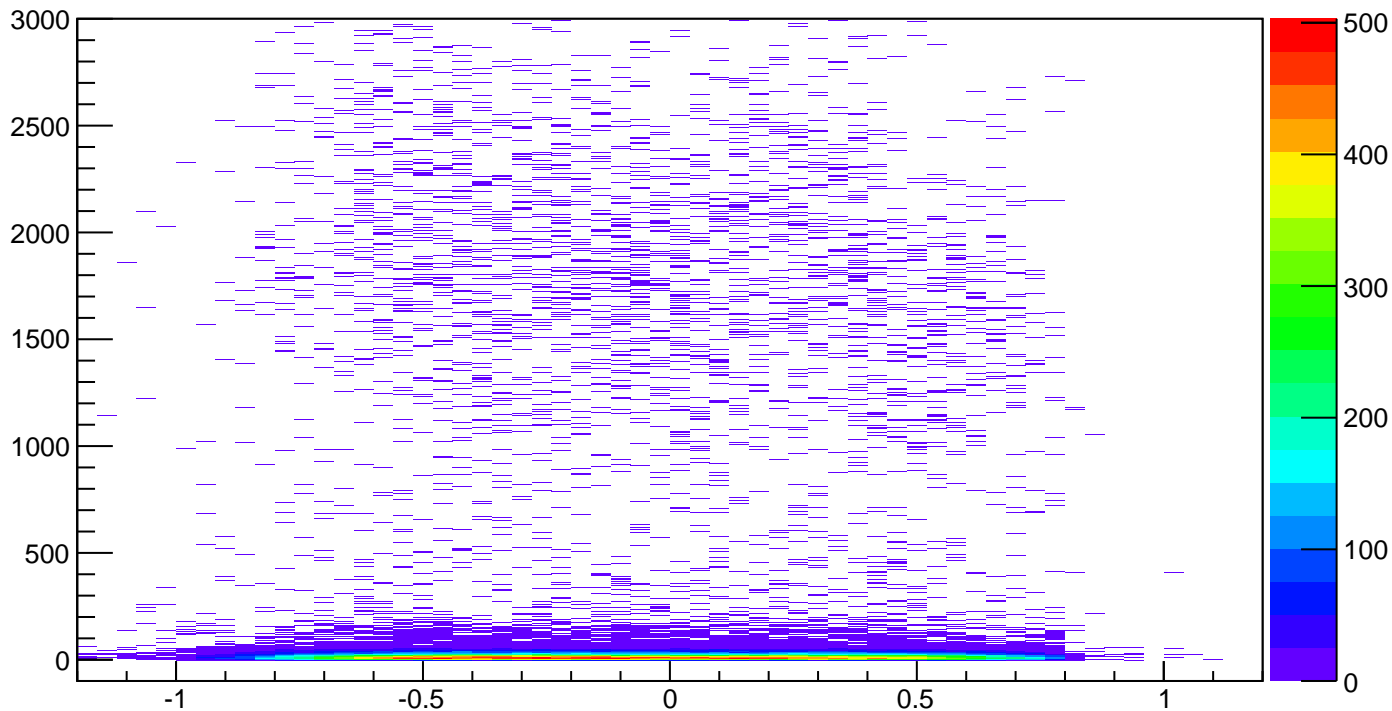
Gas Cherenkov Hardware Sum: Amplitude vs. Time (All Hits)



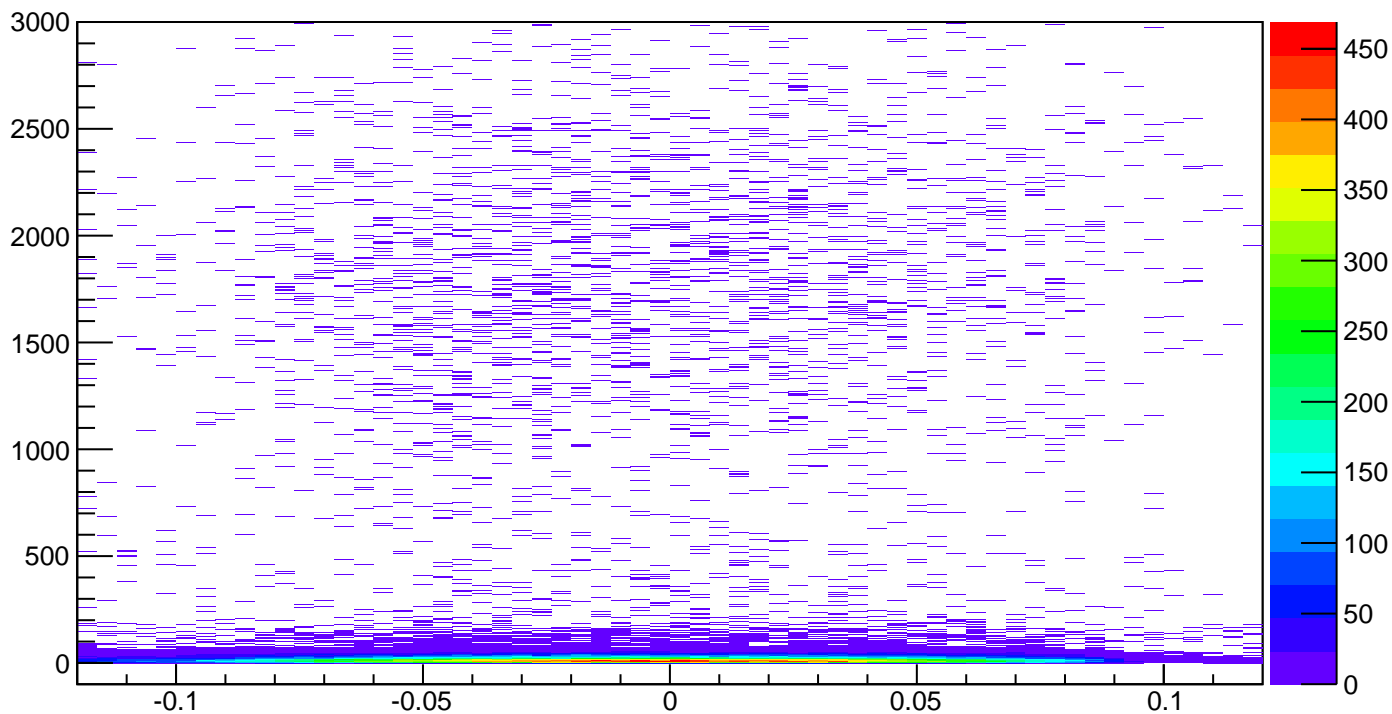


R-arm Cerenkov Sum vs. X and Y

## Right arm Cerenkov sum (corrected) vs. X



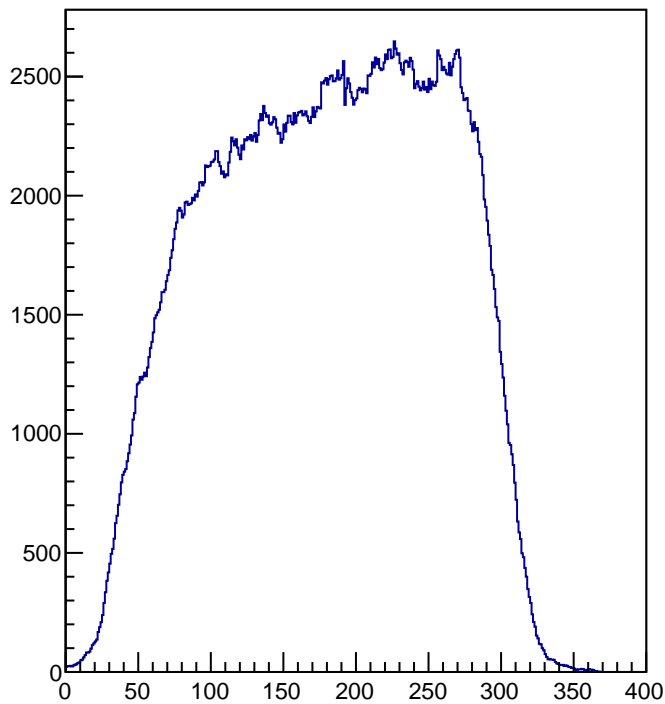
## Right arm Cerenkov sum (corrected) vs. Y



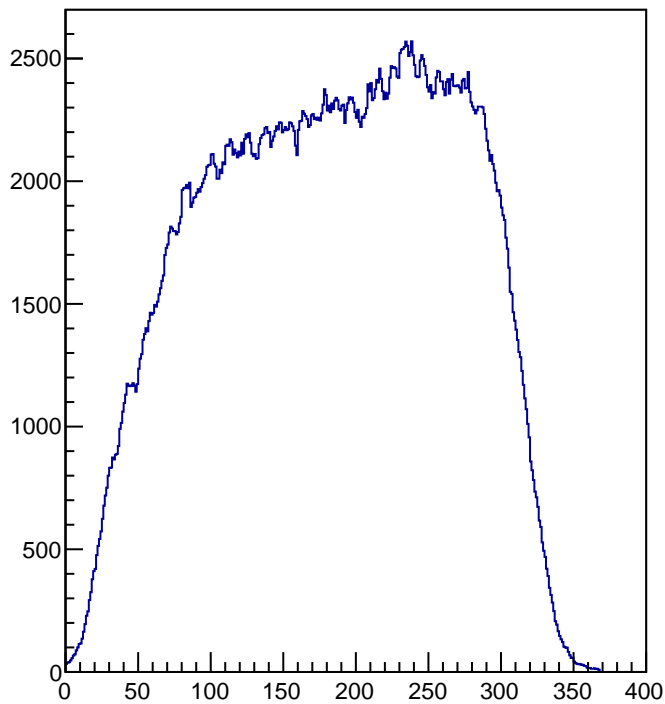
# Run #21964

## R-arm VDC wires

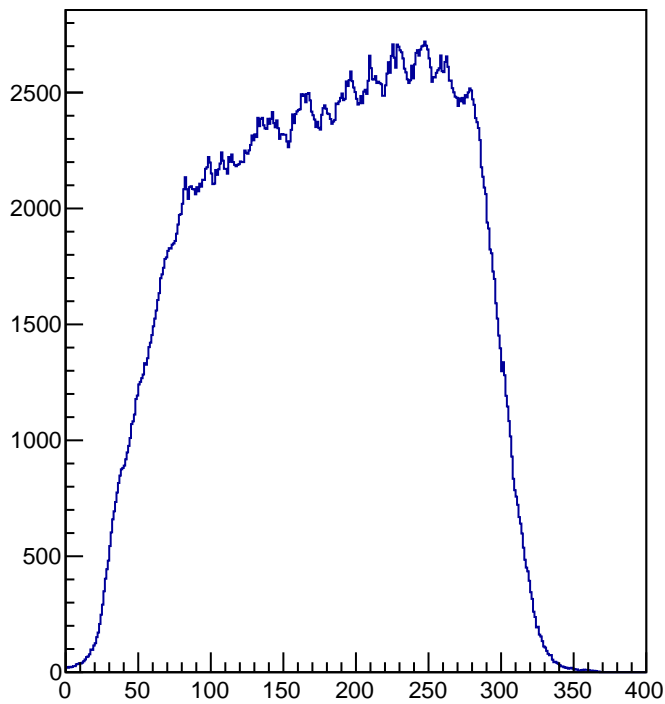
### R-arm VDC u1 wires



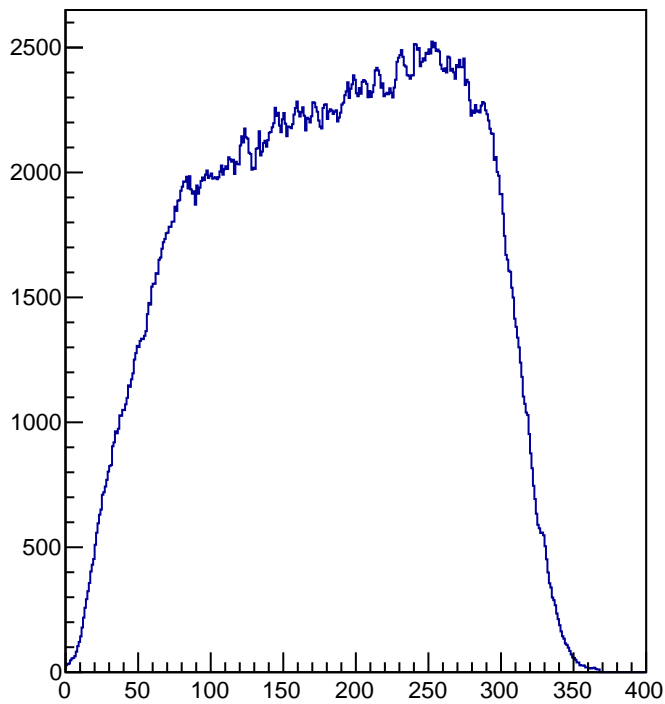
### R-arm VDC u2 wires



### R-arm VDC v1 wires

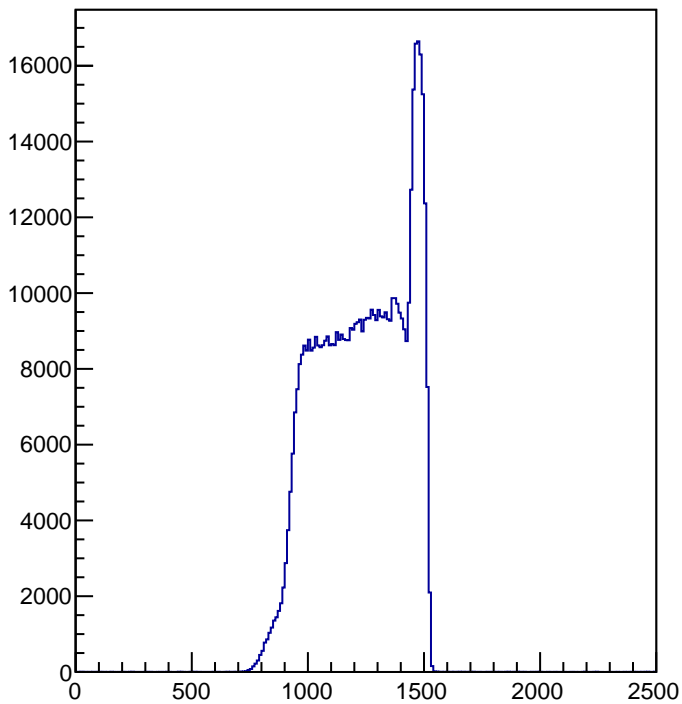


### R-arm VDC v2 wires

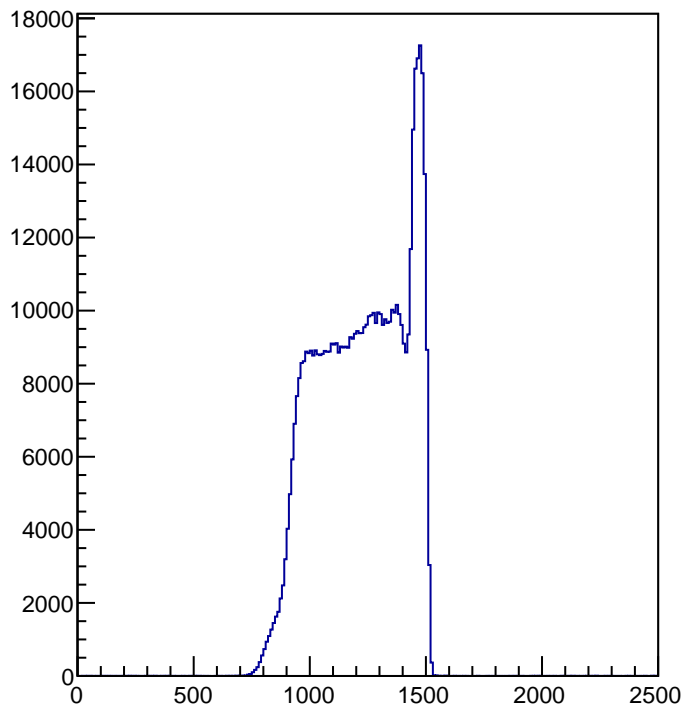


R-arm VDC TDC

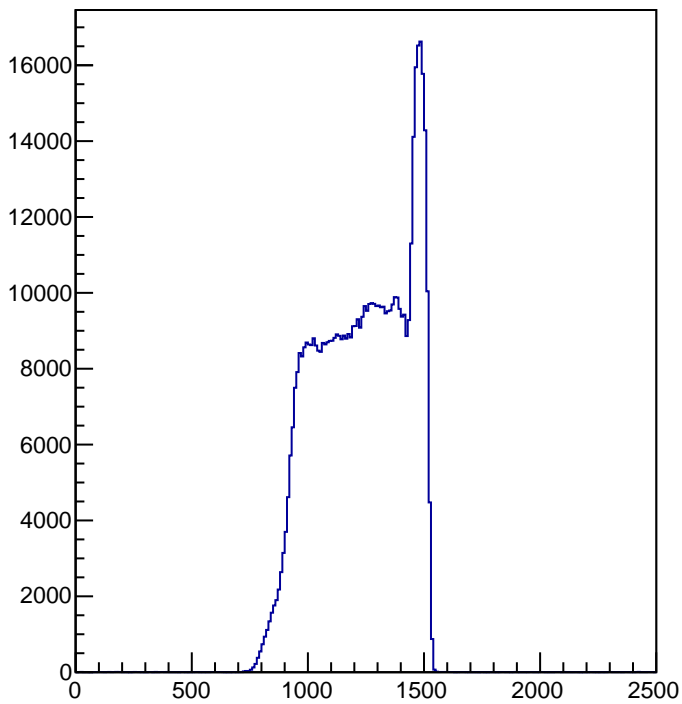
R-arm VDC u1 time



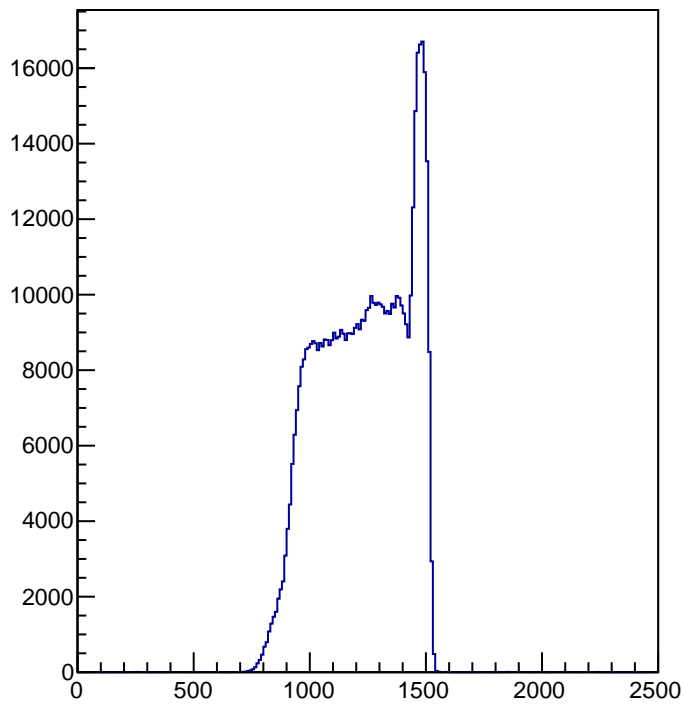
R-arm VDC u2 time



R-arm VDC v1 time



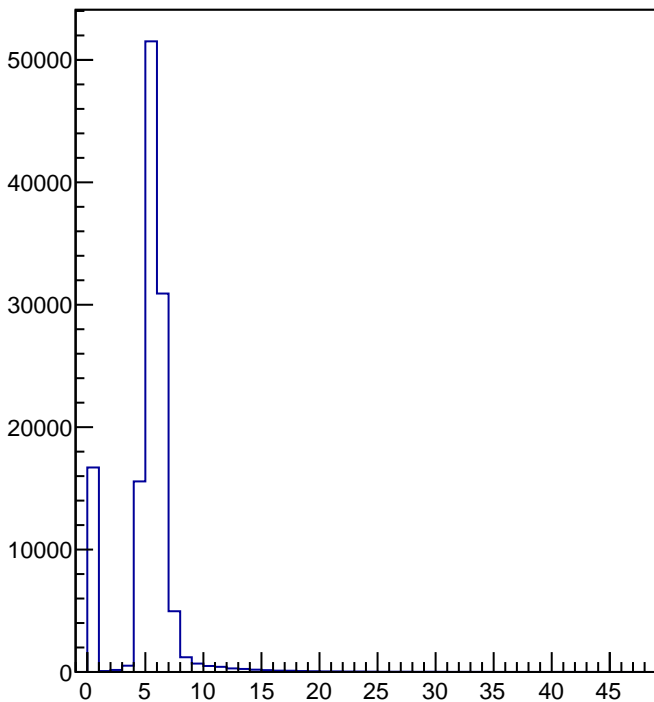
R-arm VDC v2 time



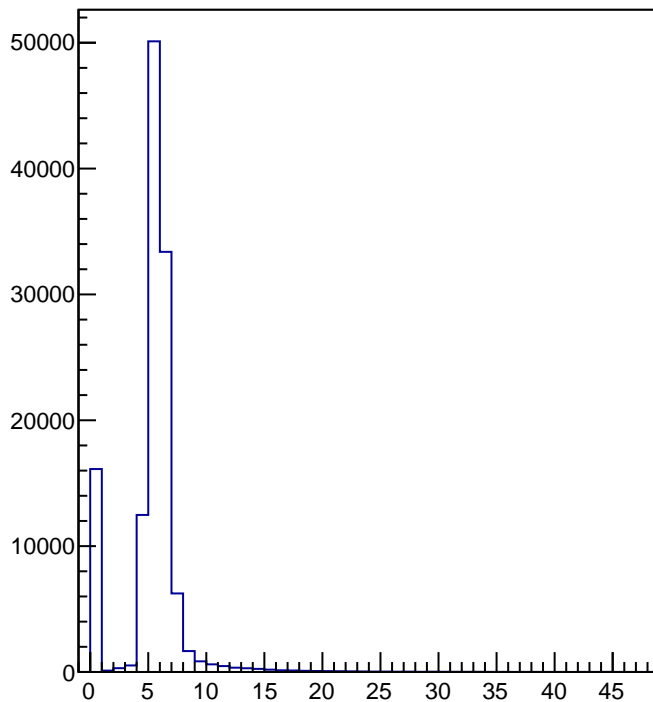
# Run #21964

## R-arm VDC hits

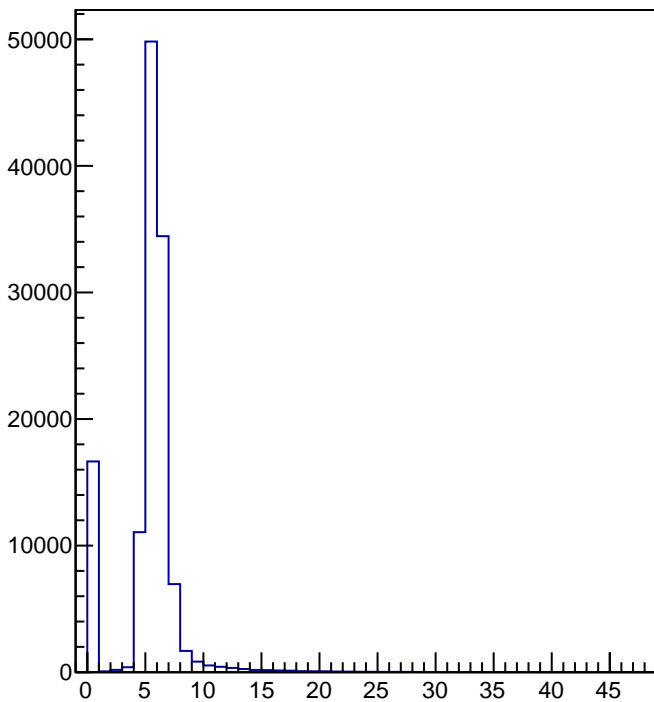
### Num Hits Right U1



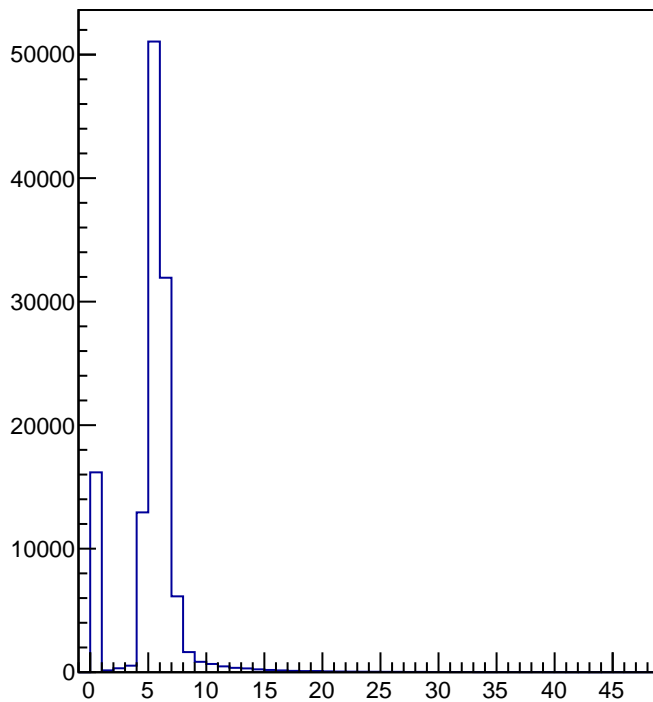
### Num Hits Right U2



### Num Hits Right V1



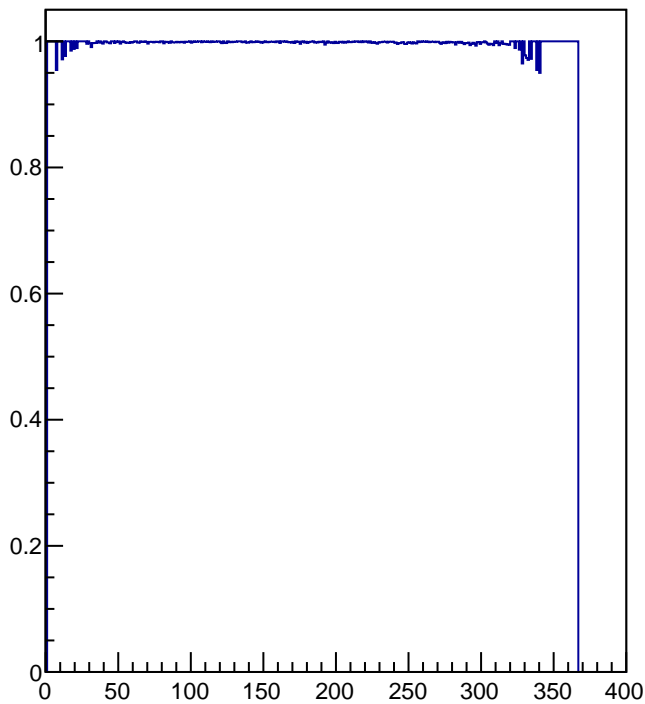
### Num Hits Right V2



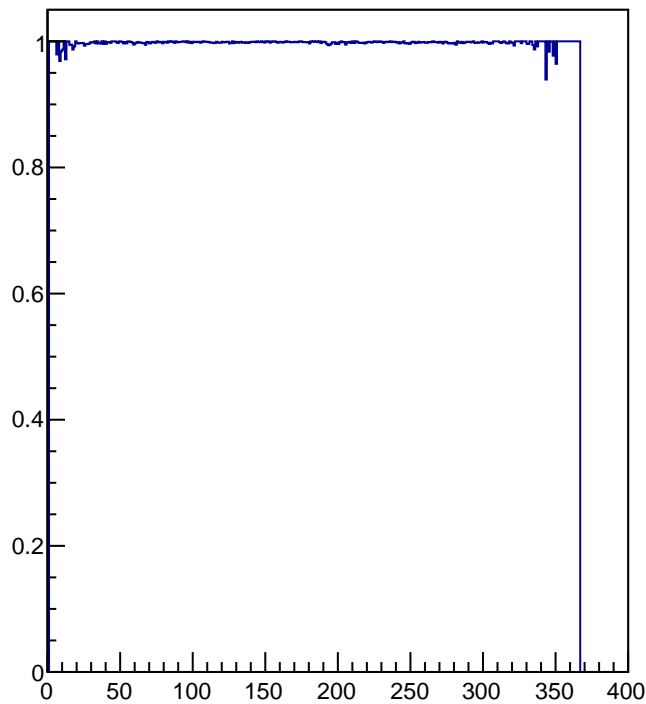
# Run #21964

## R-arm VDC efficiency

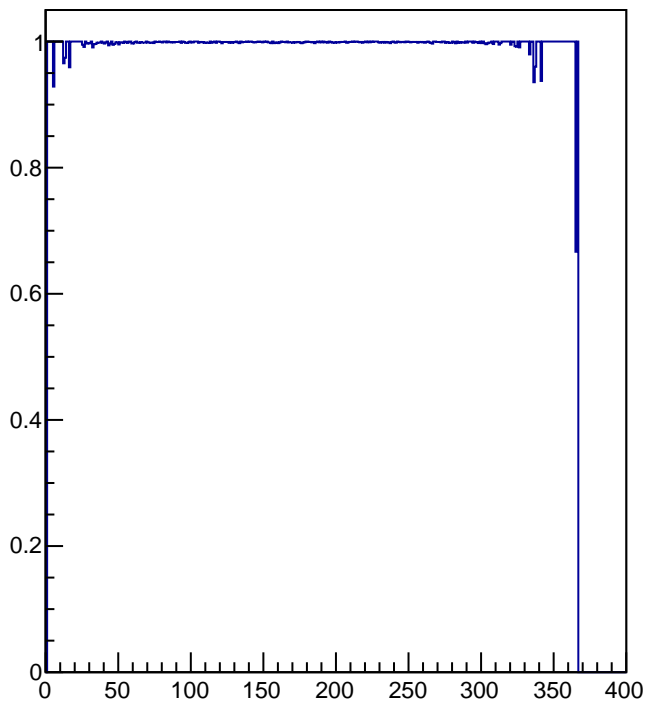
### Right arm U1 efficiency



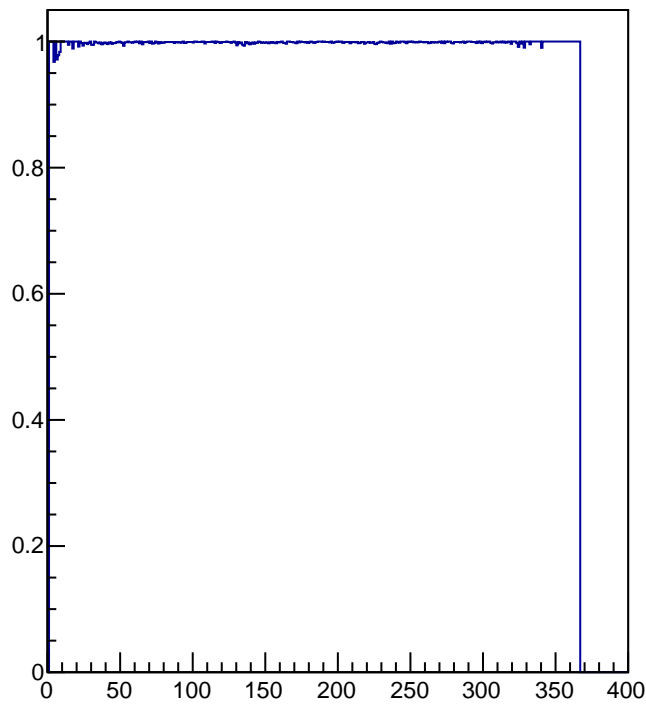
### Right arm U2 efficiency



### Right arm V1 efficiency

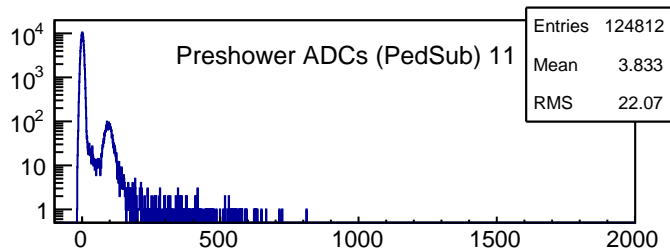
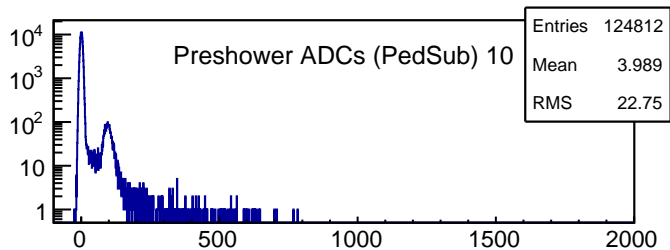
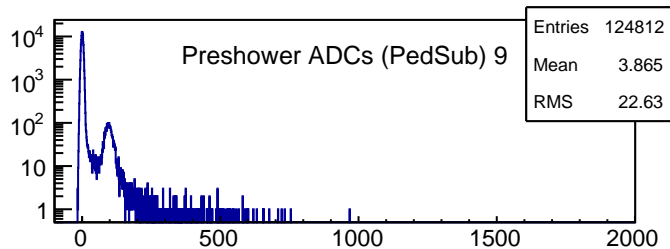
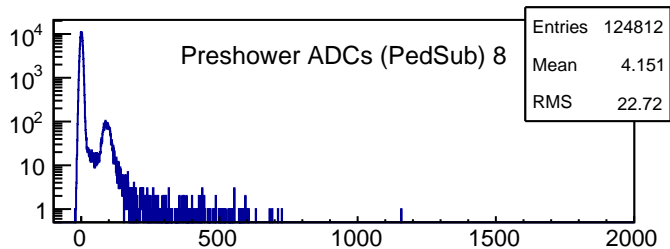
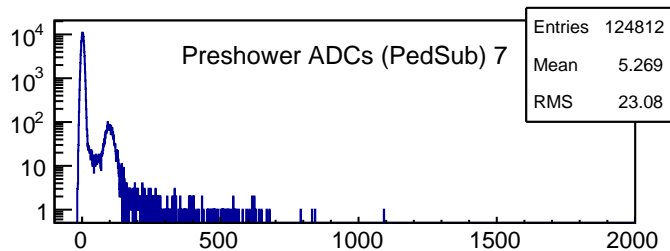
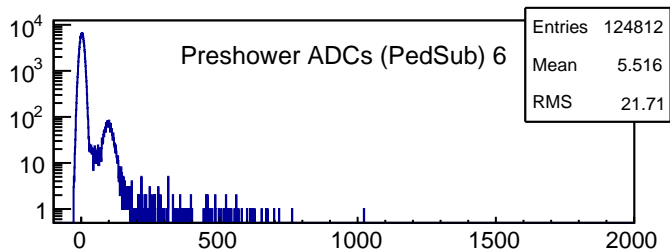
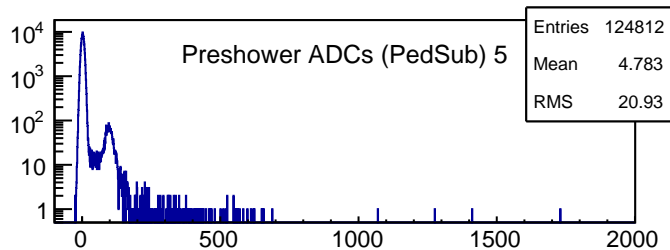
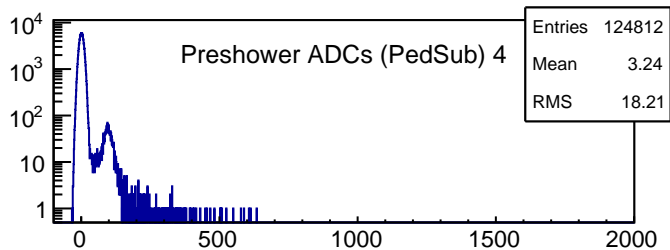
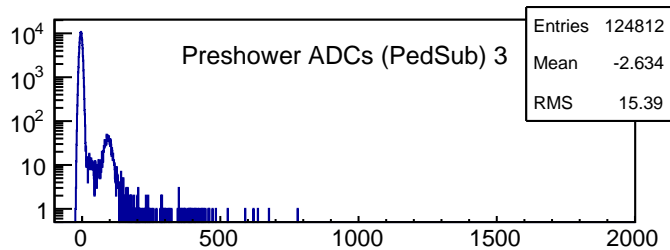
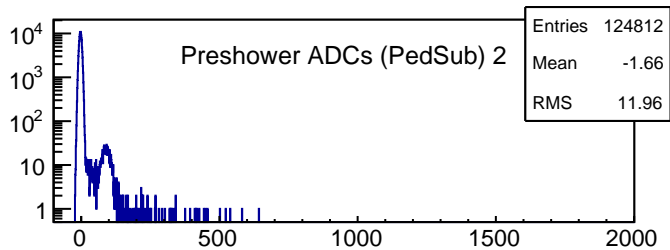
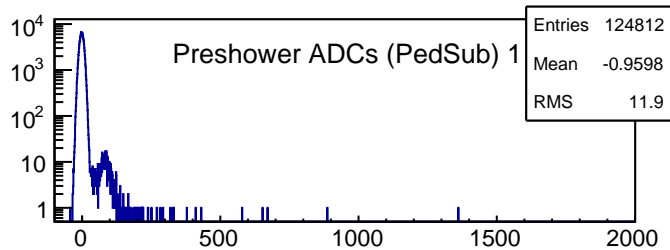
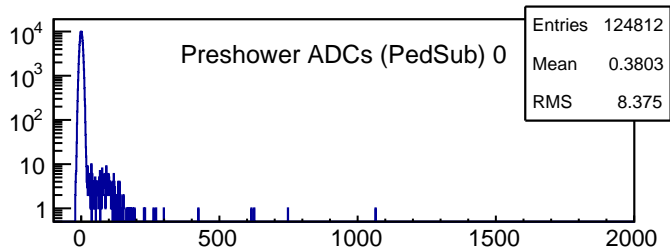


### Right arm V2 efficiency



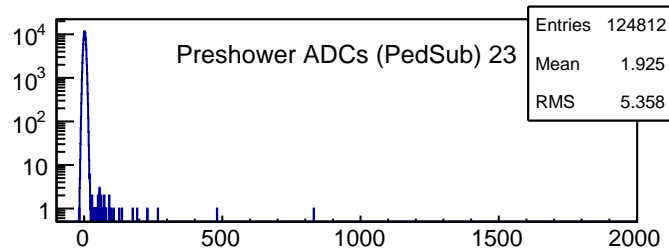
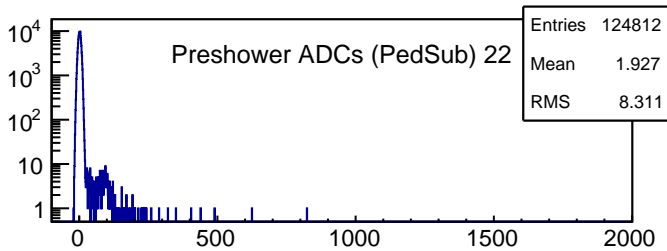
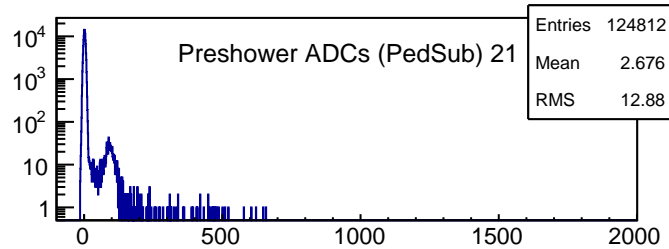
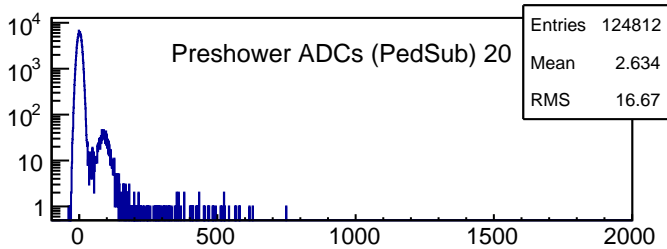
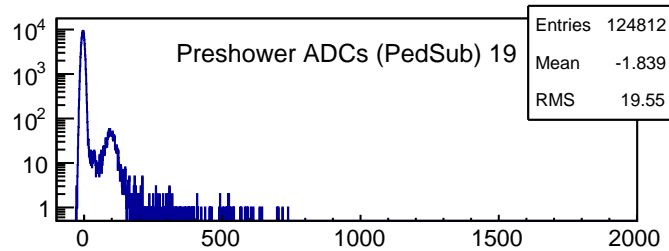
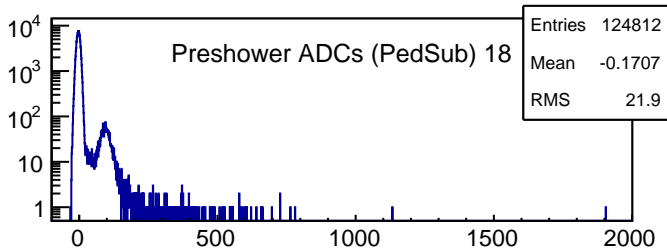
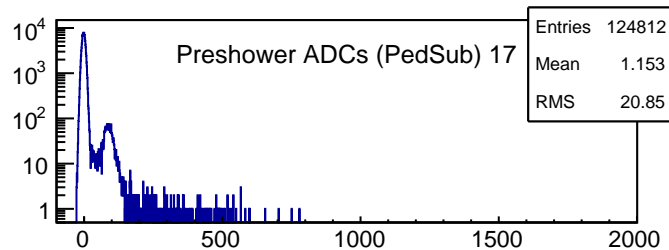
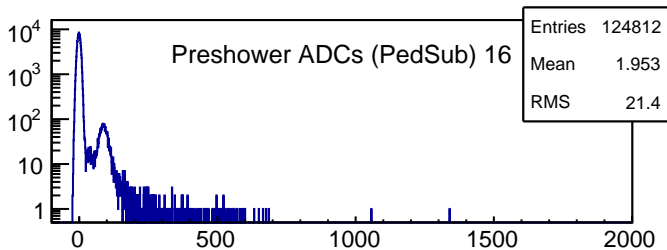
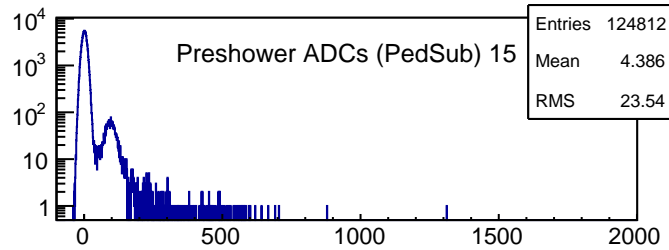
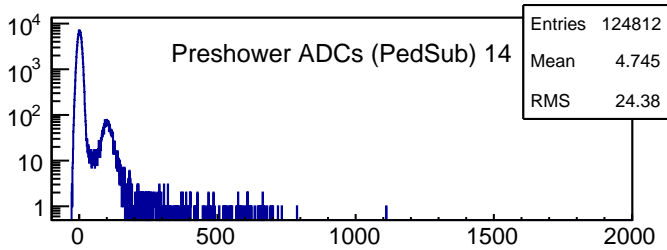
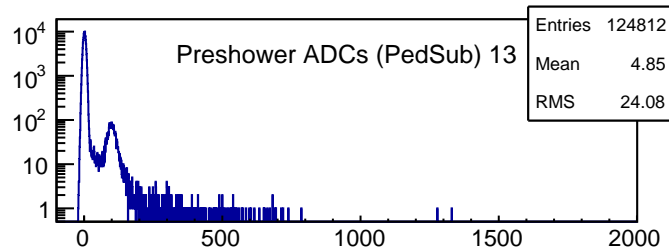
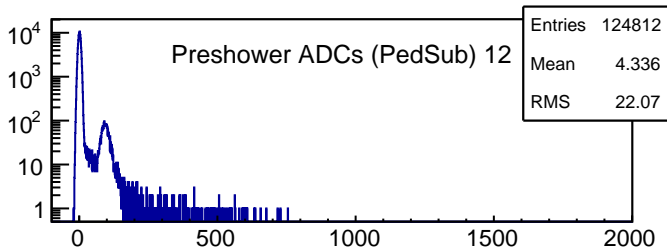
# Run #21964

## Preshower ADCs:ped. aligned (0-11)



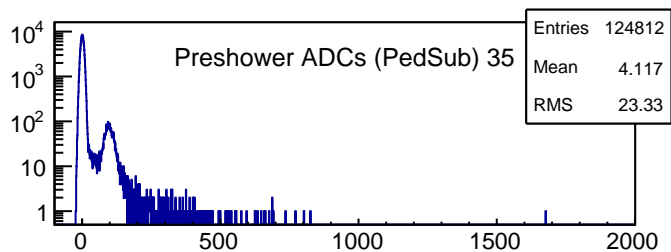
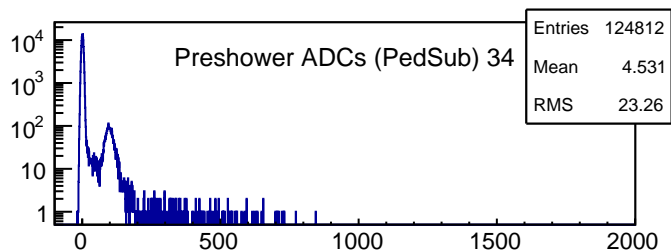
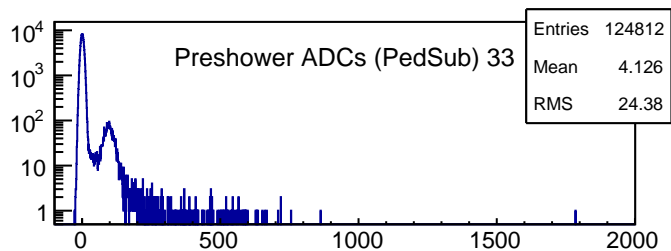
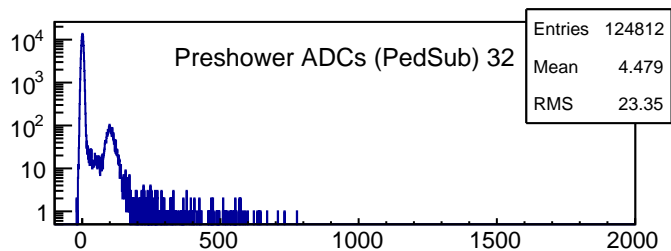
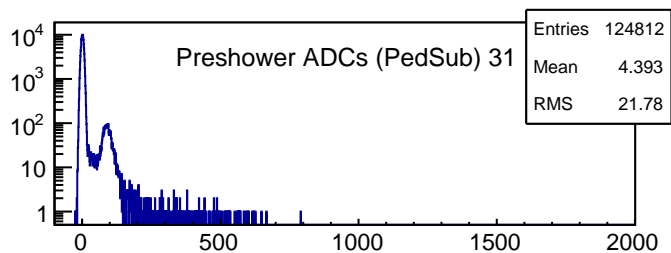
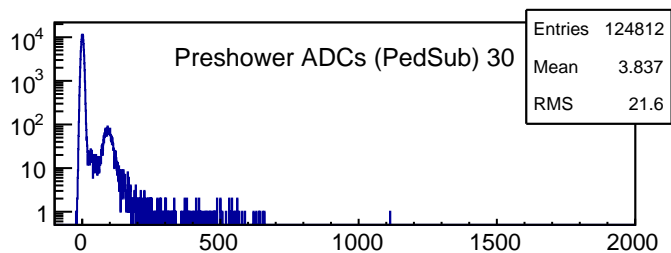
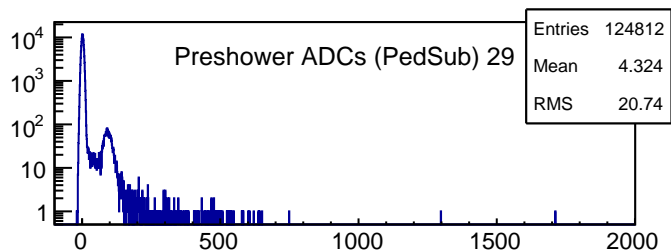
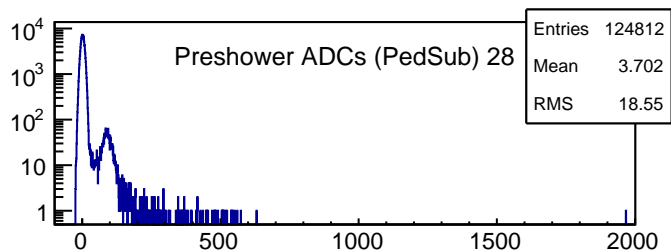
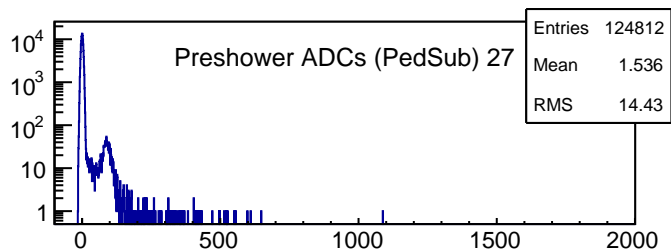
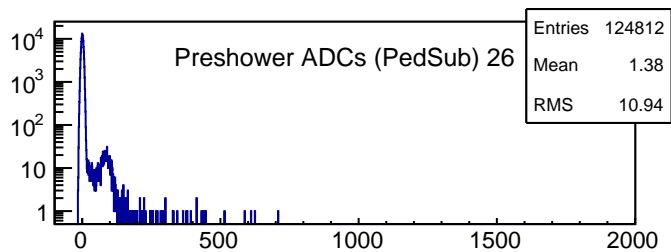
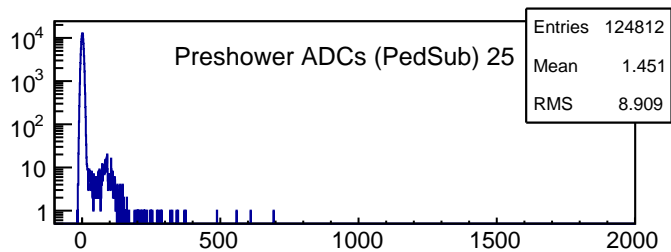
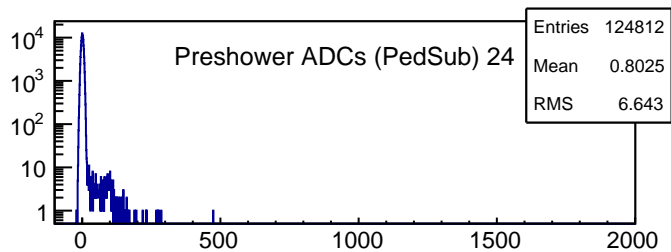
# Run #21964

## Preshower ADC:ped. aligned (12-23)



# Run #21964

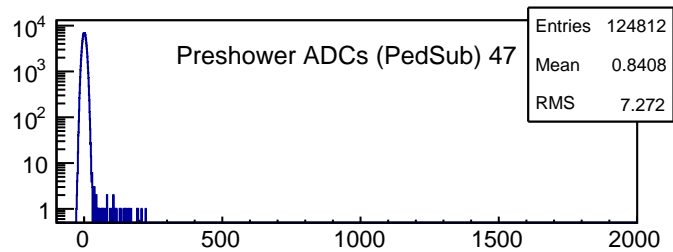
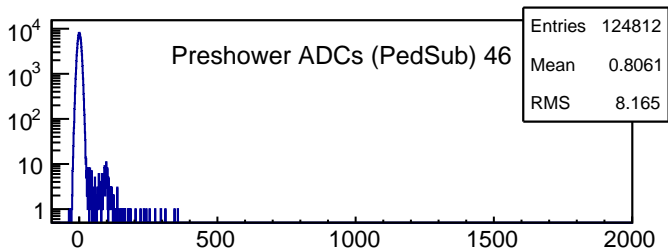
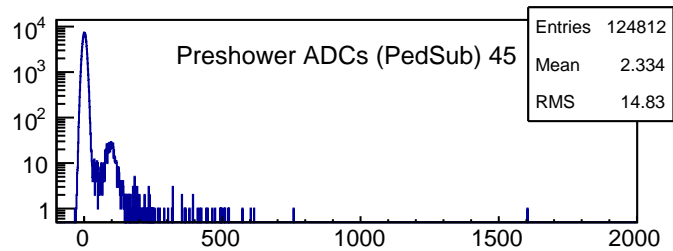
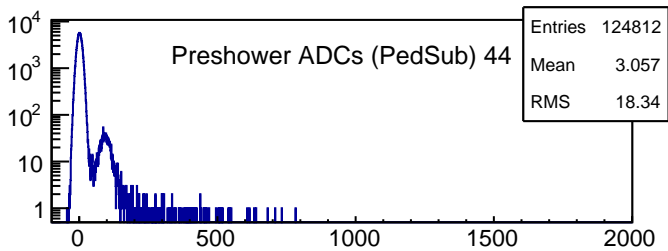
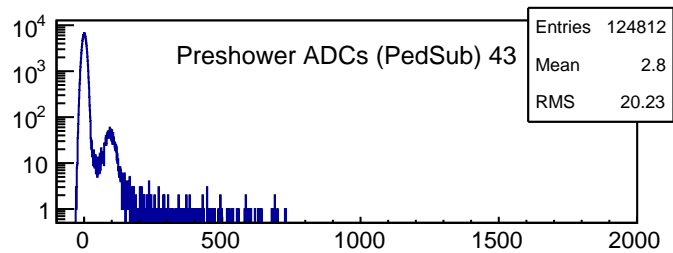
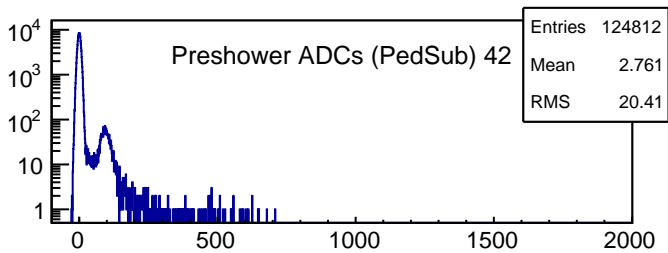
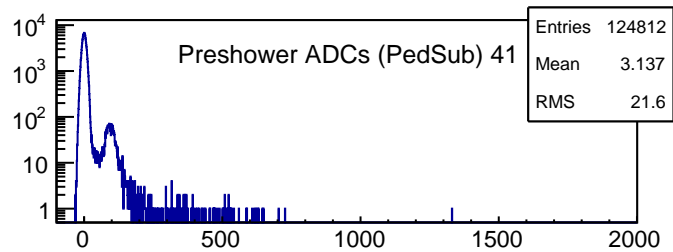
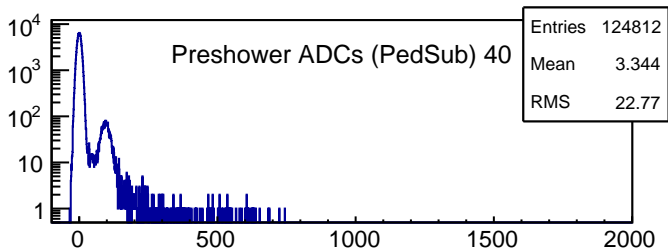
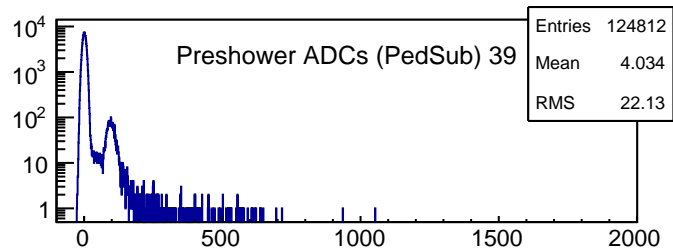
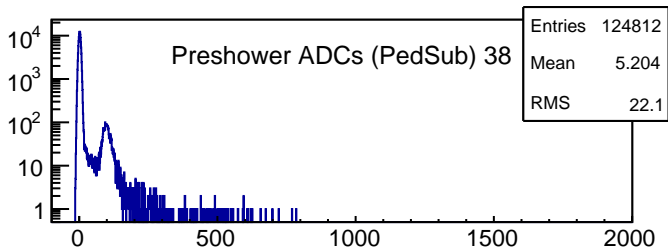
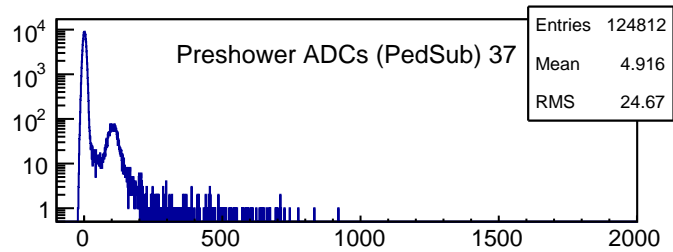
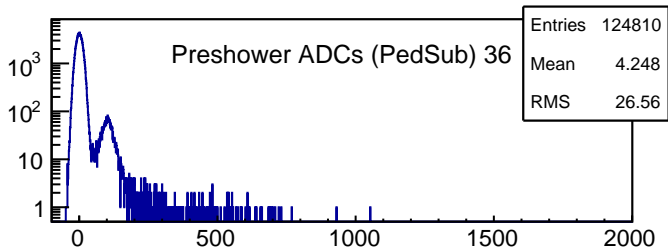
## Preshower ADC:ped. aligned (24-35)





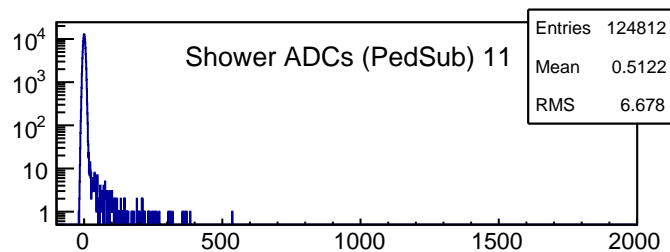
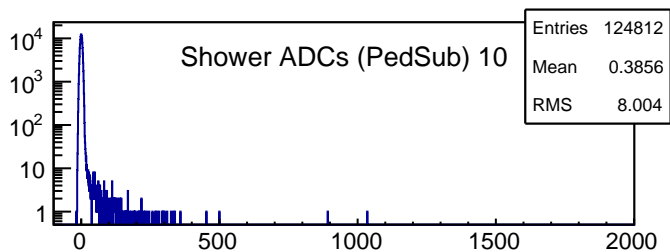
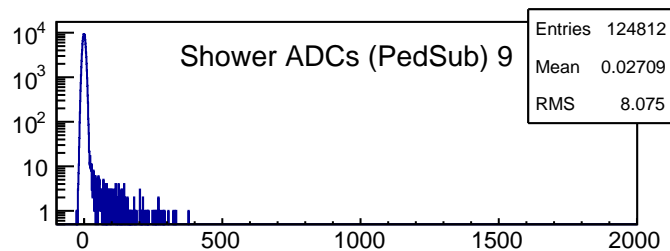
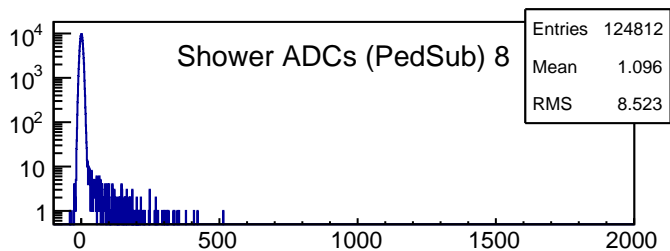
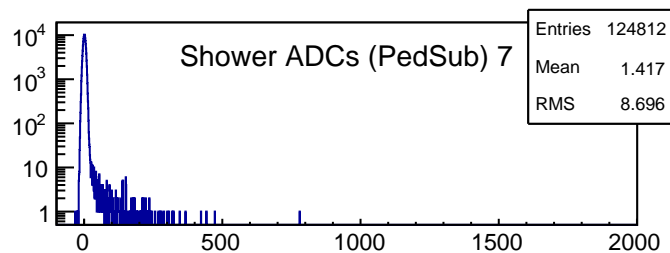
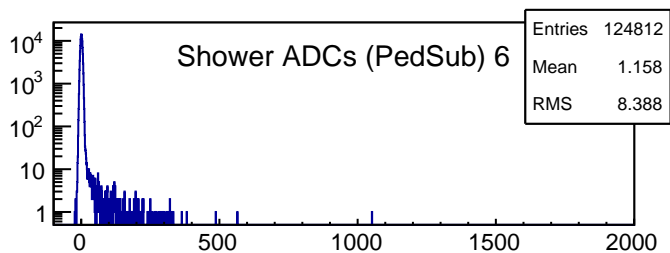
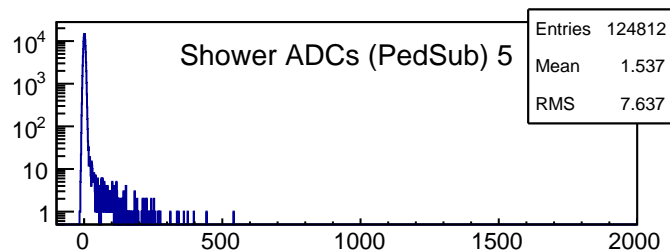
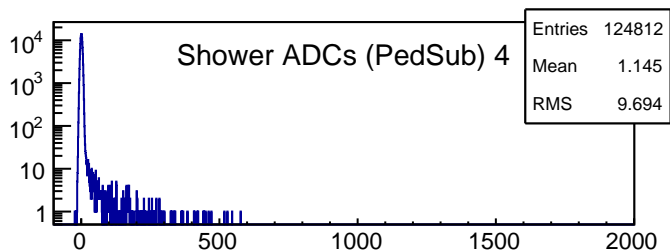
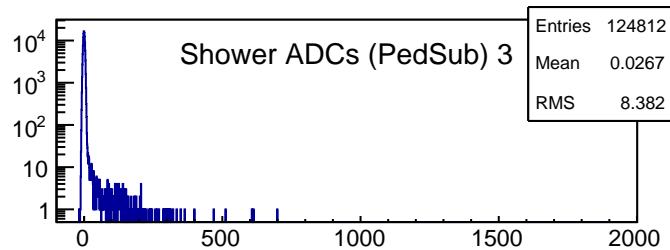
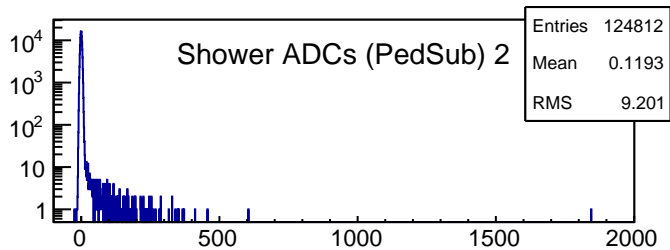
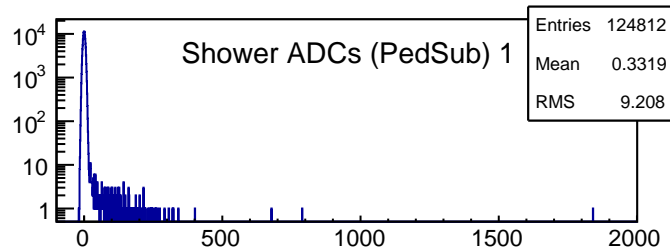
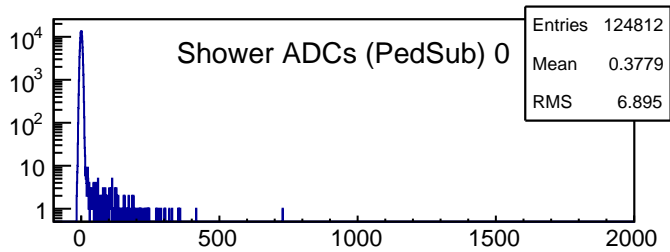
# Run #21964

## Preshower ADC:ped. aligned (36-47)



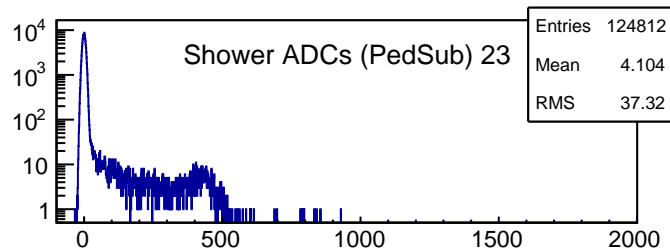
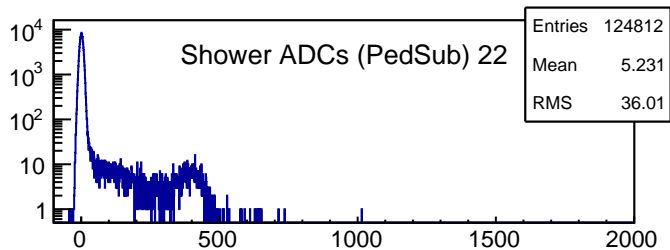
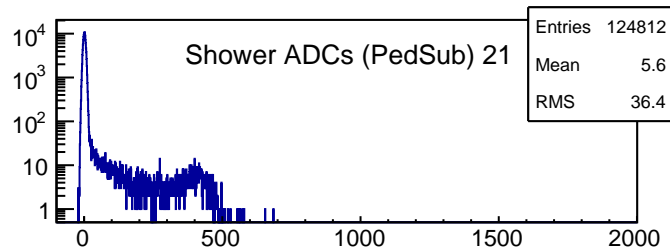
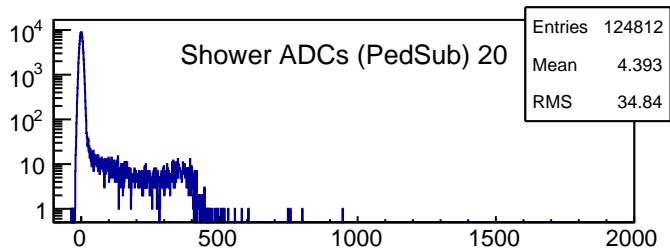
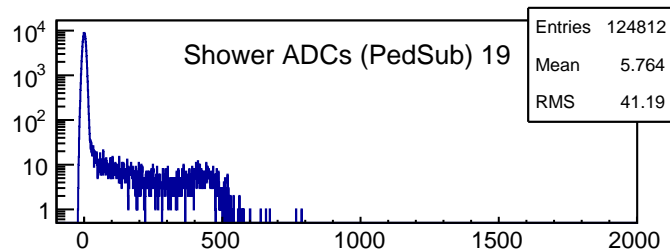
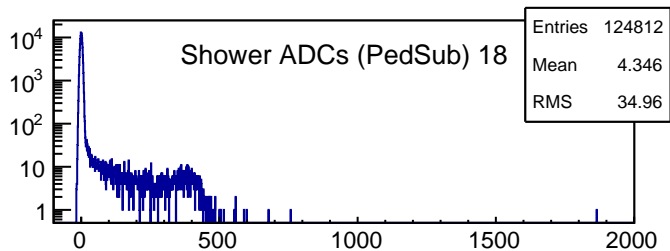
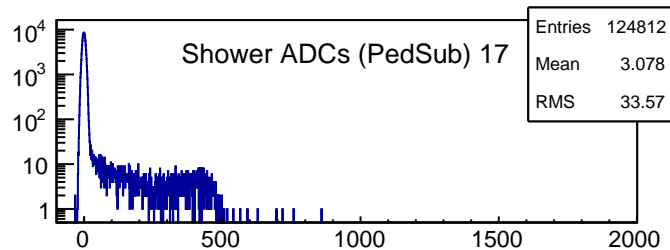
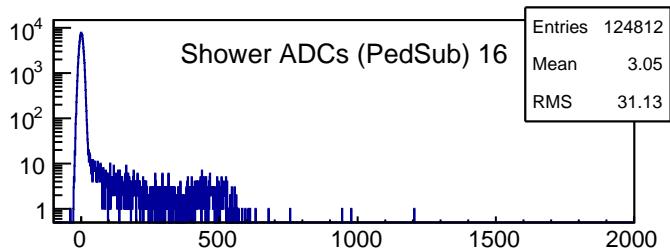
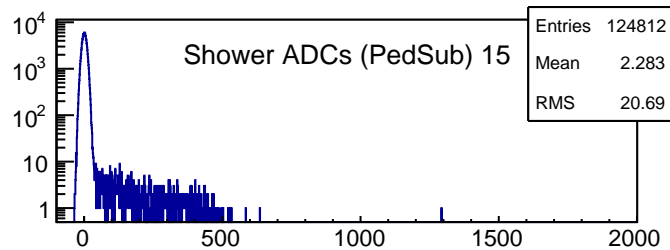
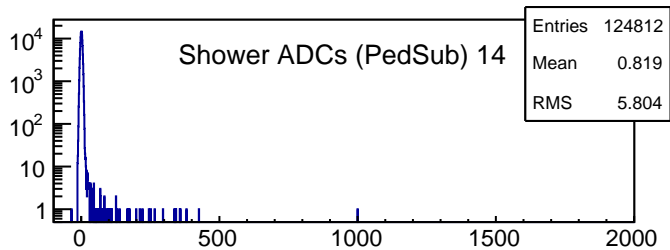
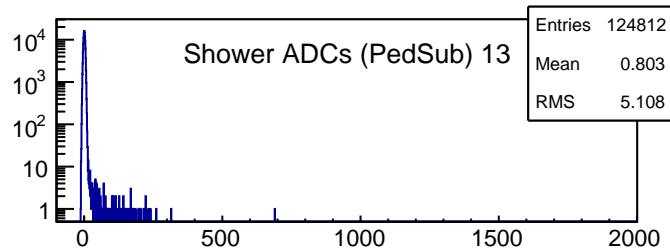
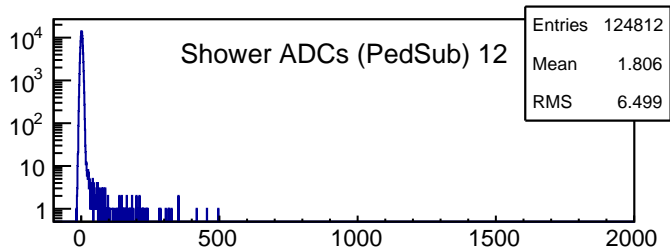
# Run #21964

## Shower ADC:ped. aligned (0-11)



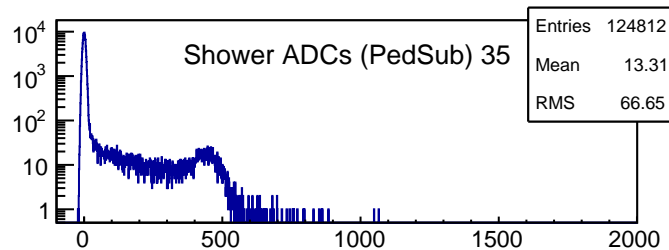
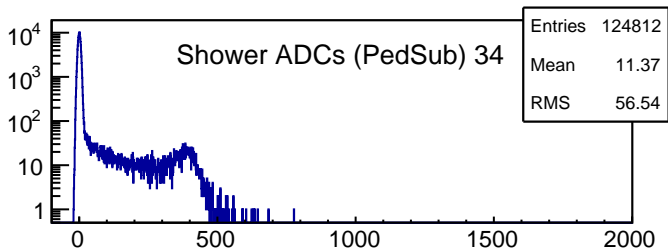
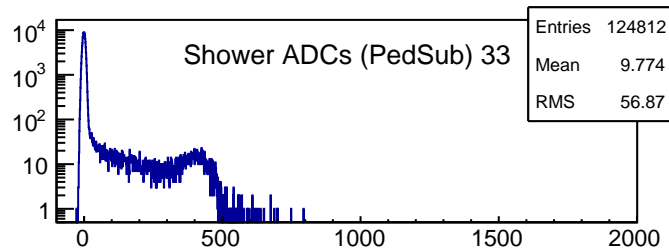
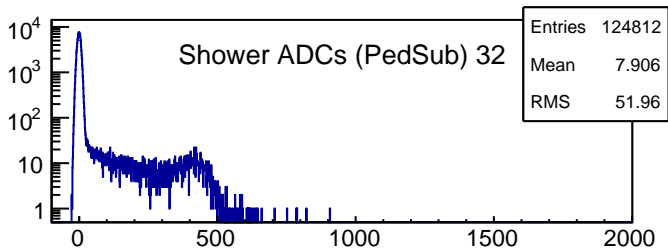
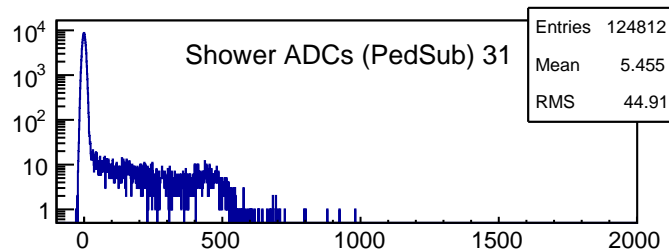
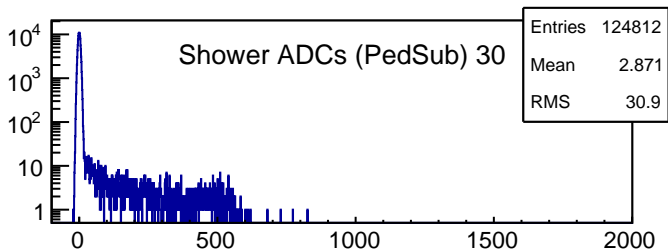
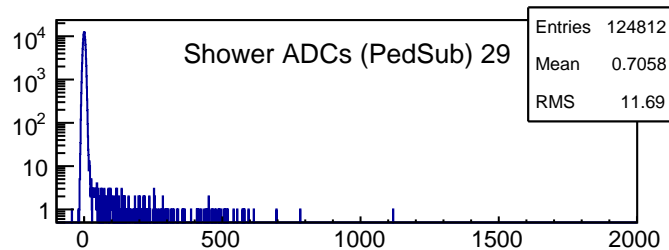
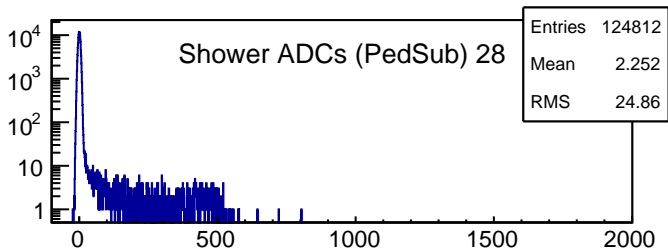
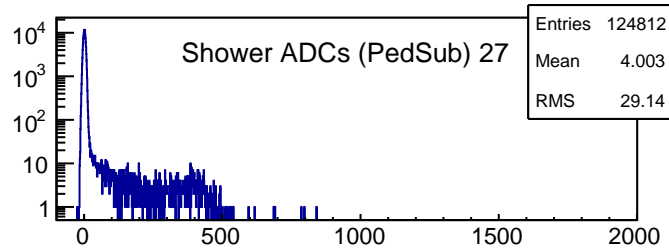
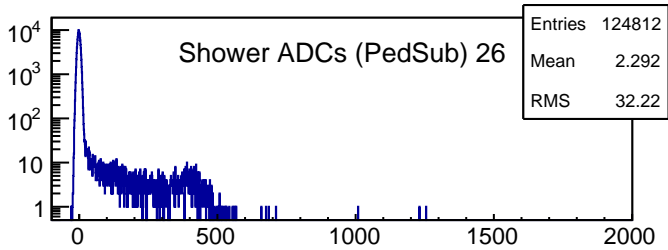
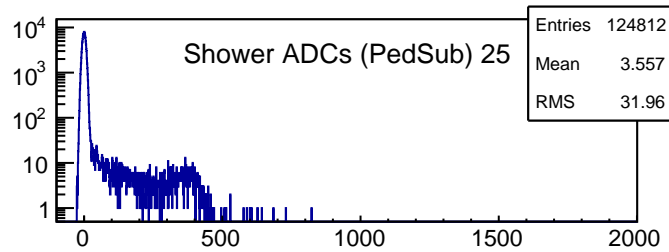
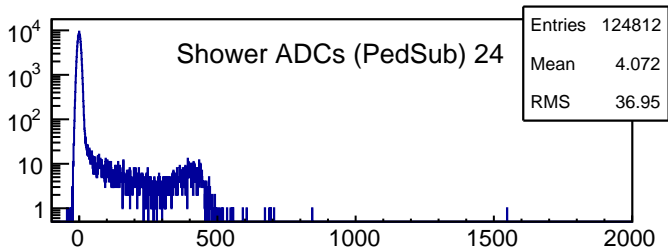
# Run #21964

## Shower ADC:ped. aligned (12-23)



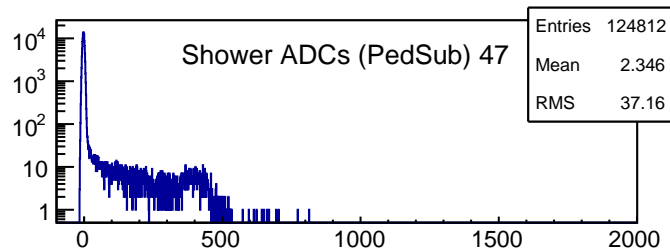
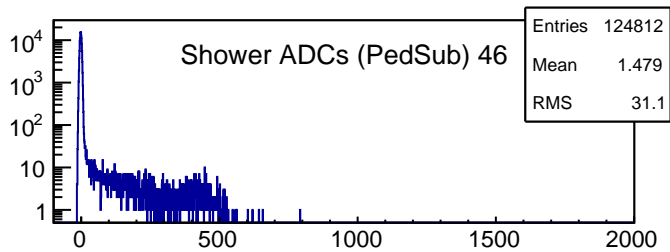
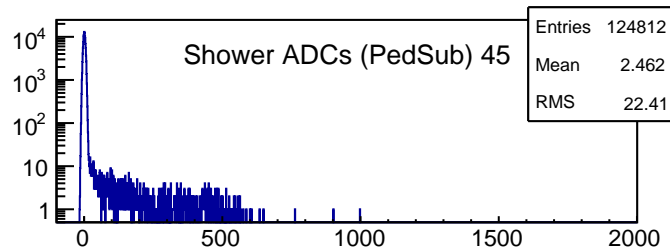
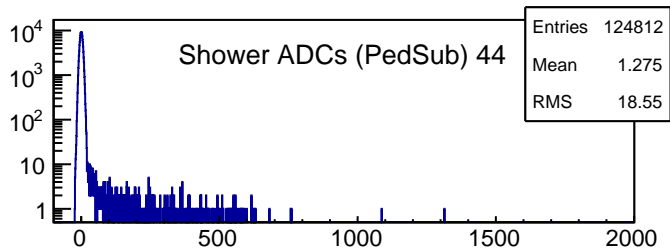
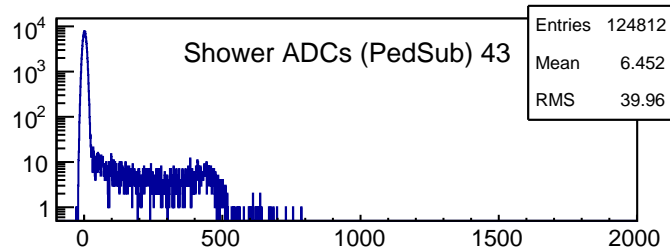
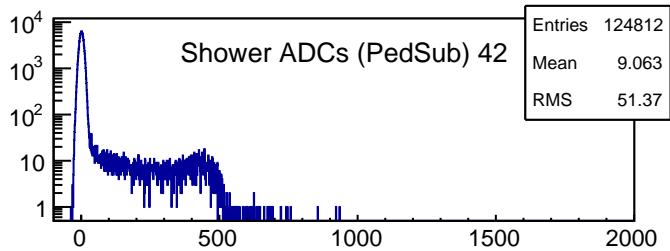
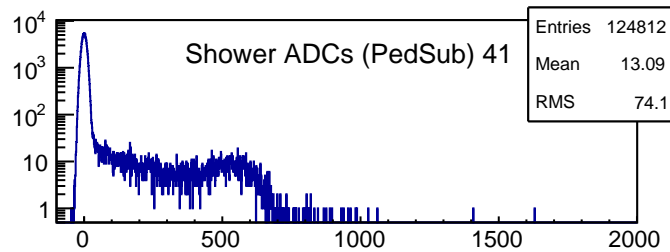
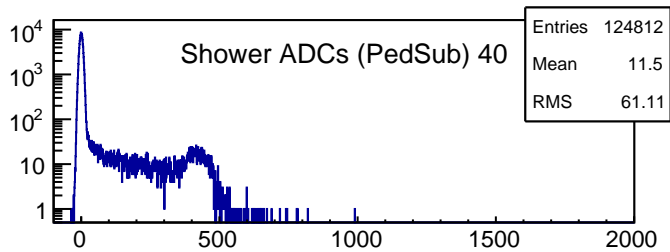
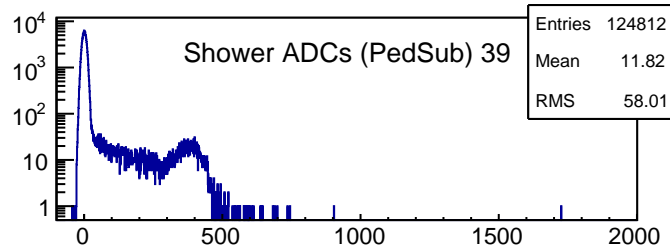
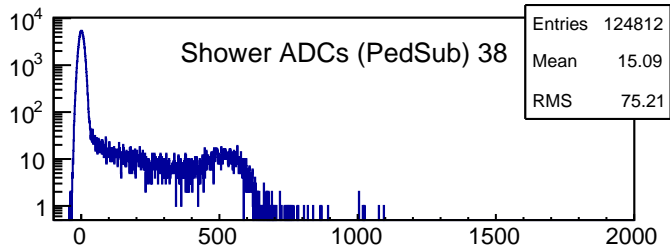
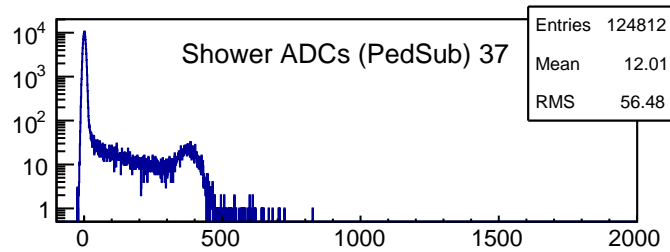
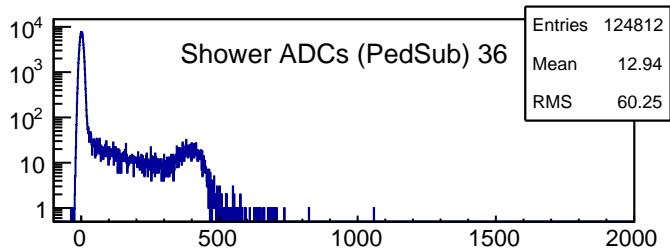
# Run #21964

## Shower ADC:ped. aligned (24-35)



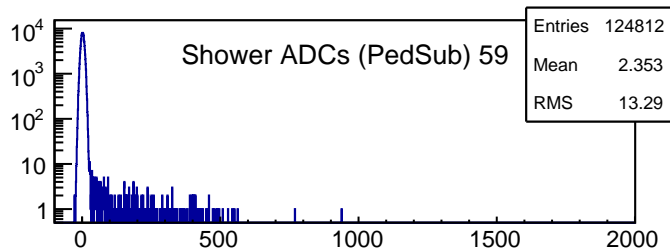
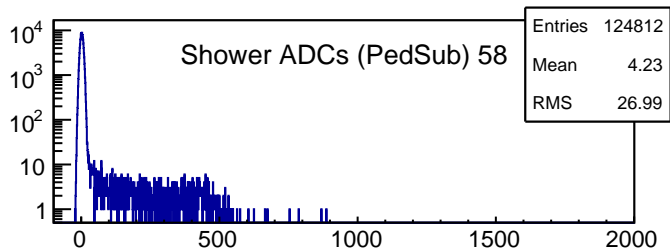
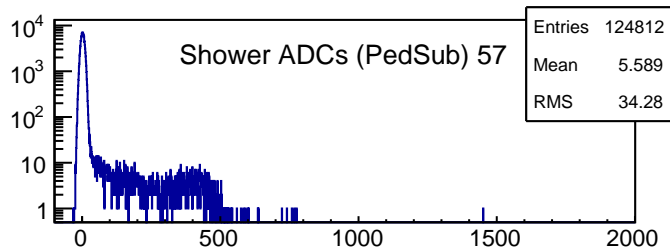
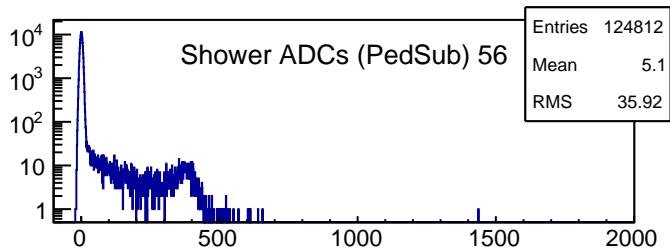
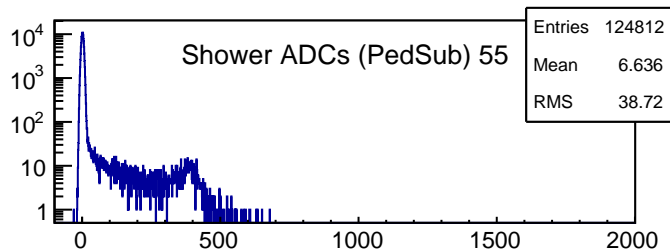
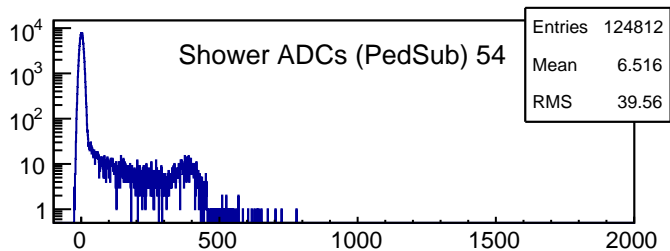
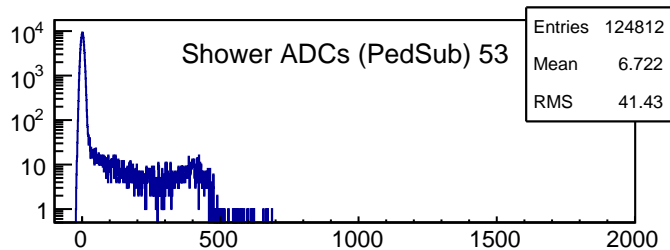
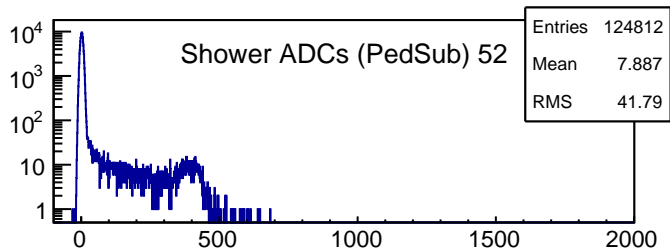
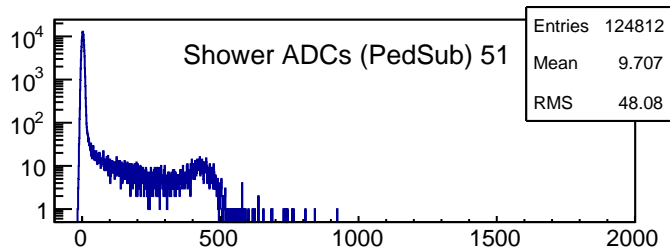
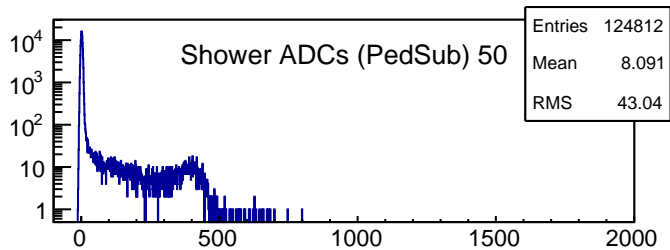
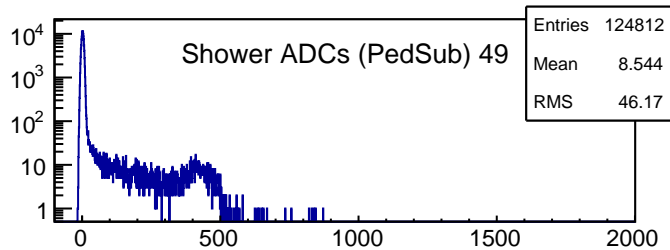
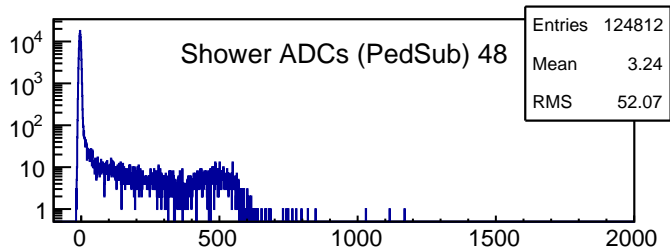
# Run #21964

## Shower ADC:ped. aligned (36-47)



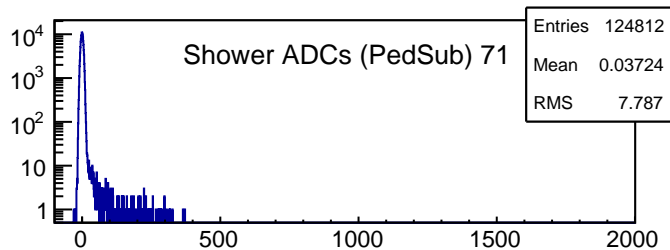
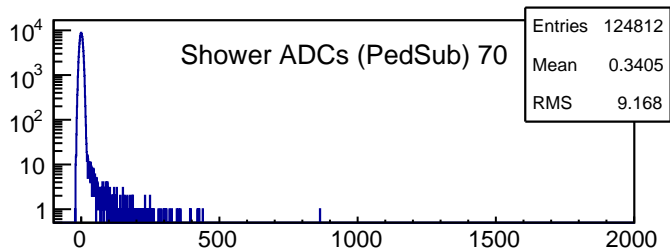
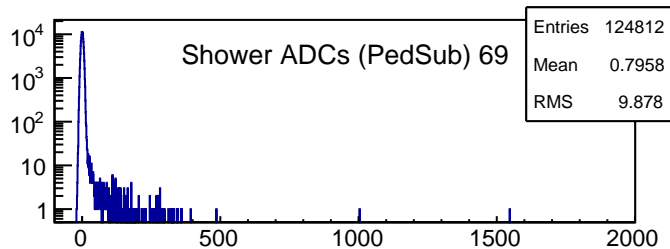
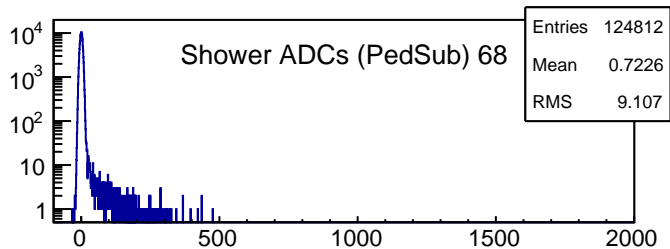
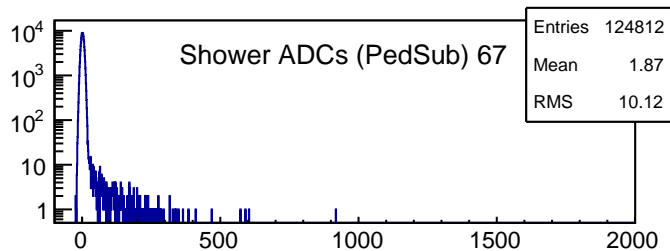
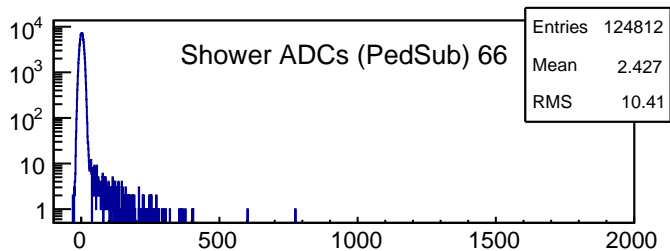
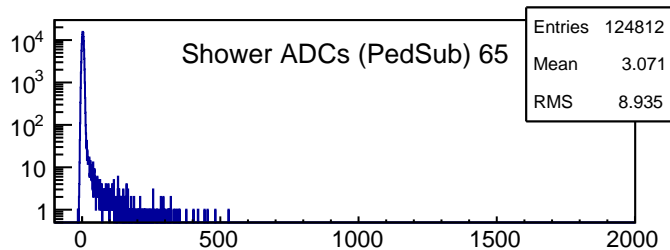
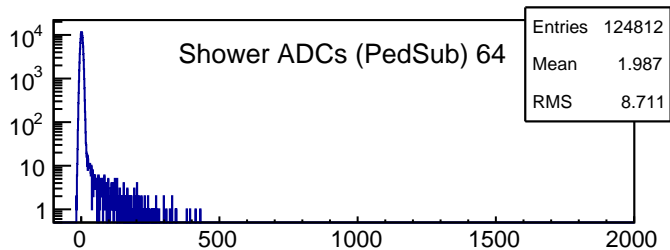
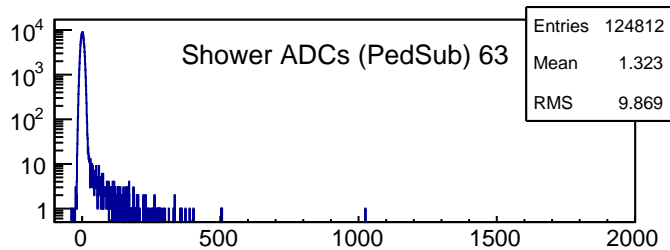
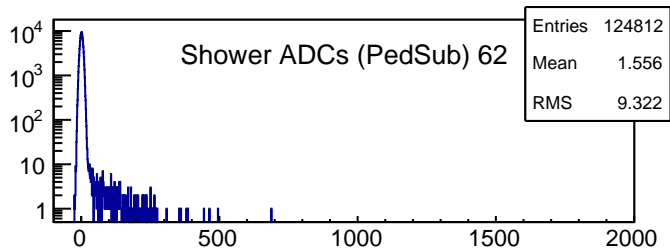
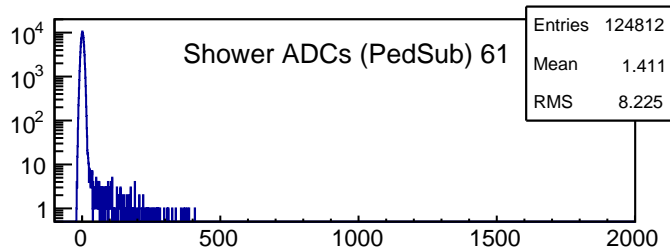
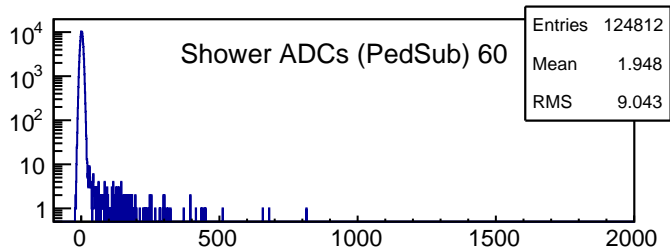
# Run #21964

## Shower ADC:ped. aligned (48-59)



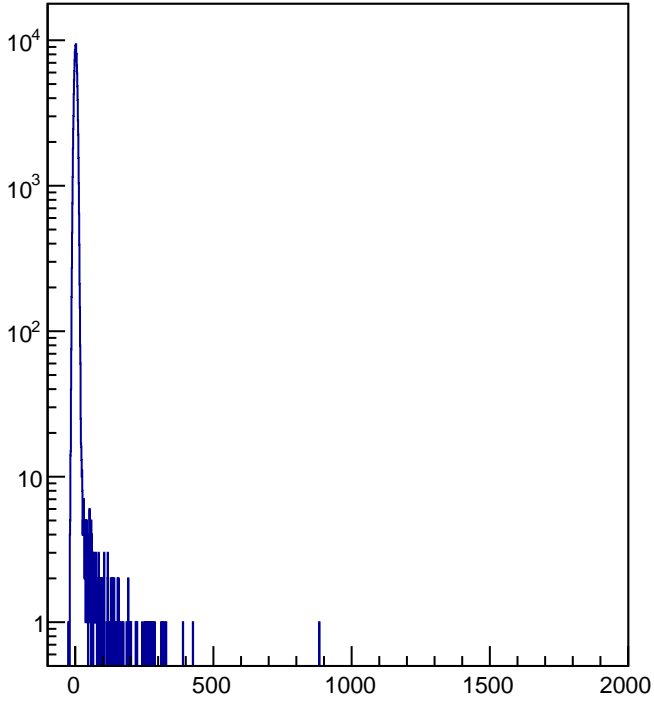
# Run #21964

## Shower ADC:ped. aligned (60-71)

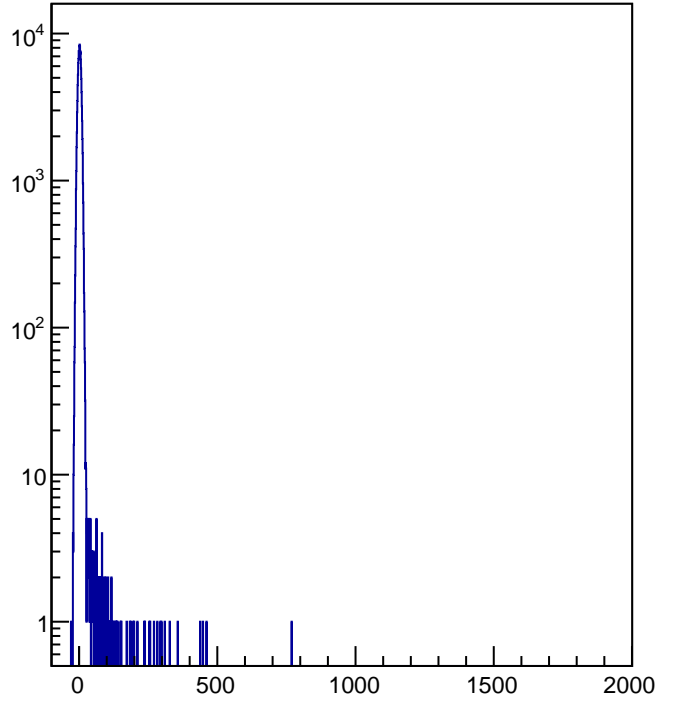


## Shower ADC:ped. aligned (72-74)

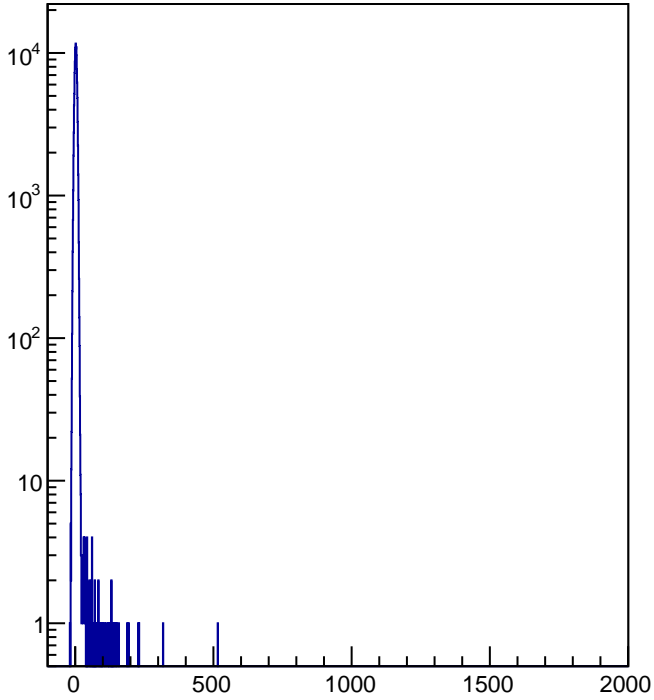
### Shower ADCs (PedSub) 72



### Shower ADCs (PedSub) 73



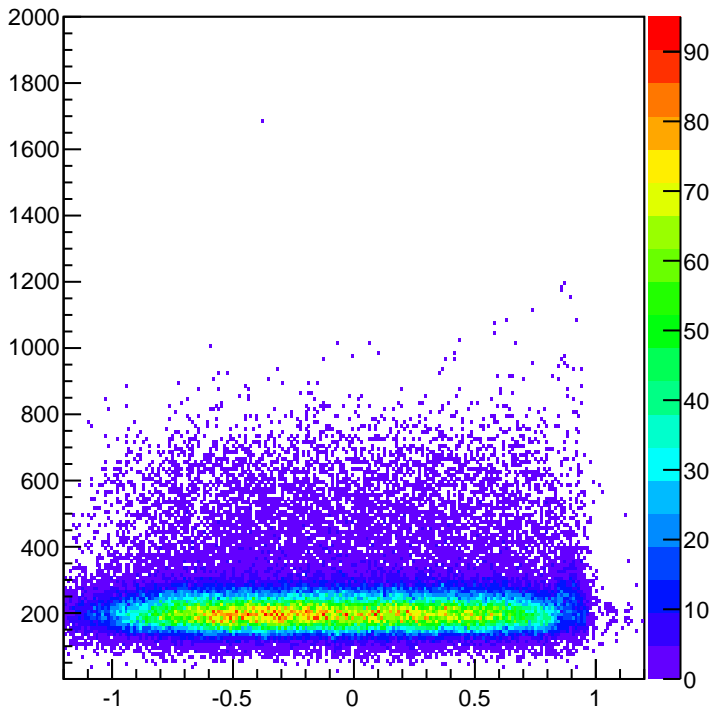
### Shower ADCs (PedSub) 74



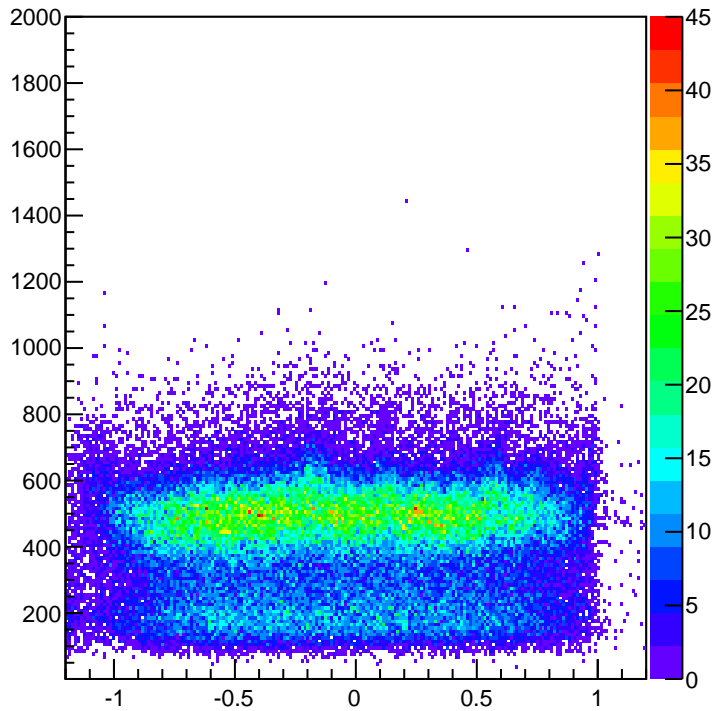


## Preshower/Shower vs. X and Y

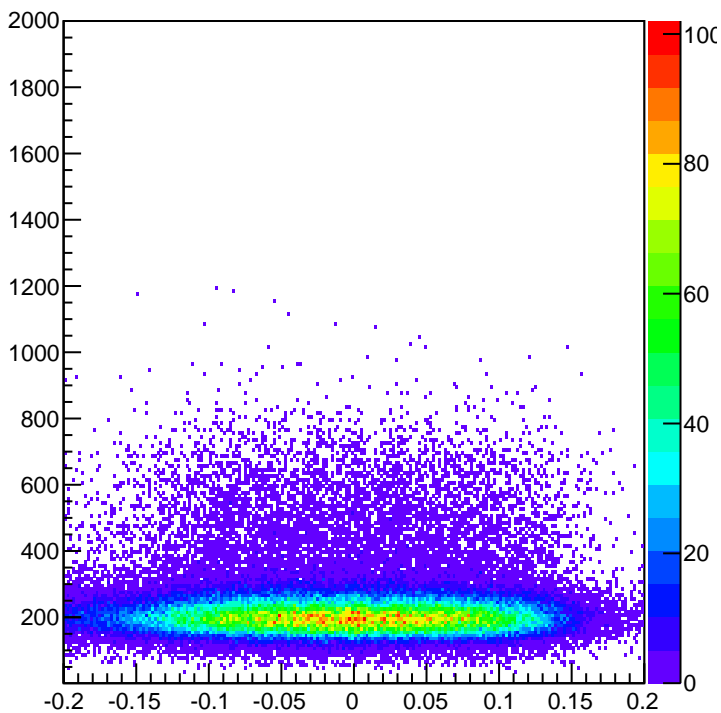
### Preshower sum vs. x



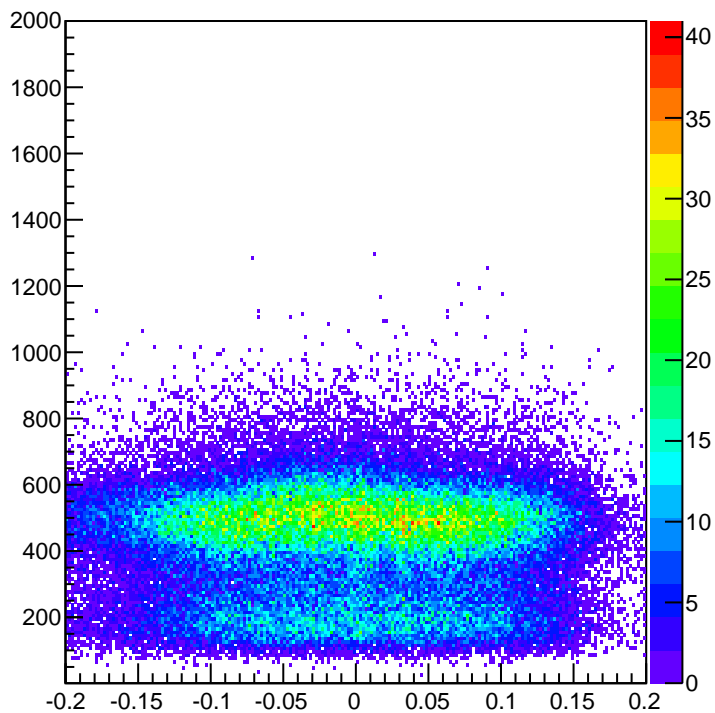
### Shower sum vs. x



### Preshower sum vs. y



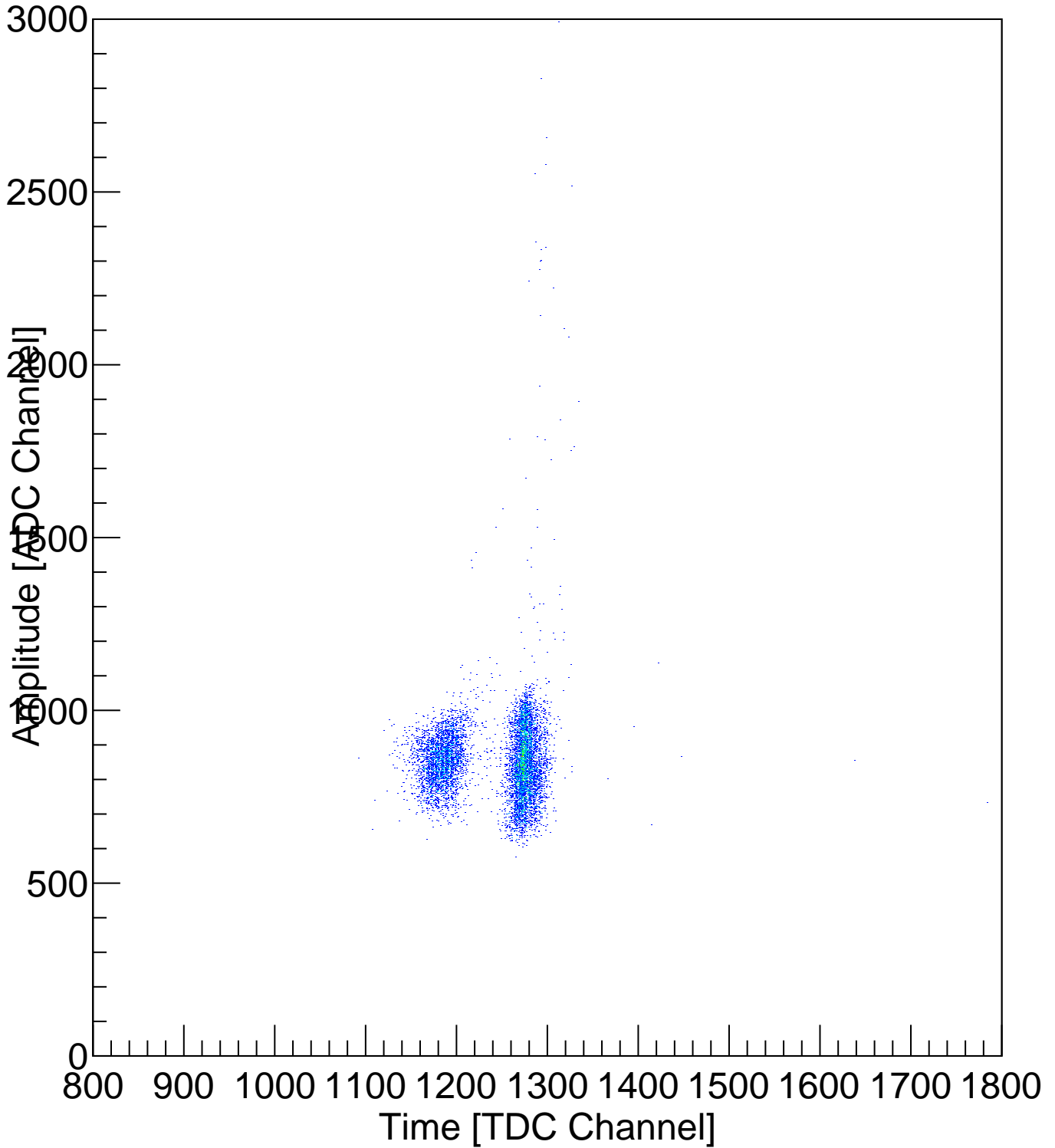
### Shower sum vs. y



Run #21964

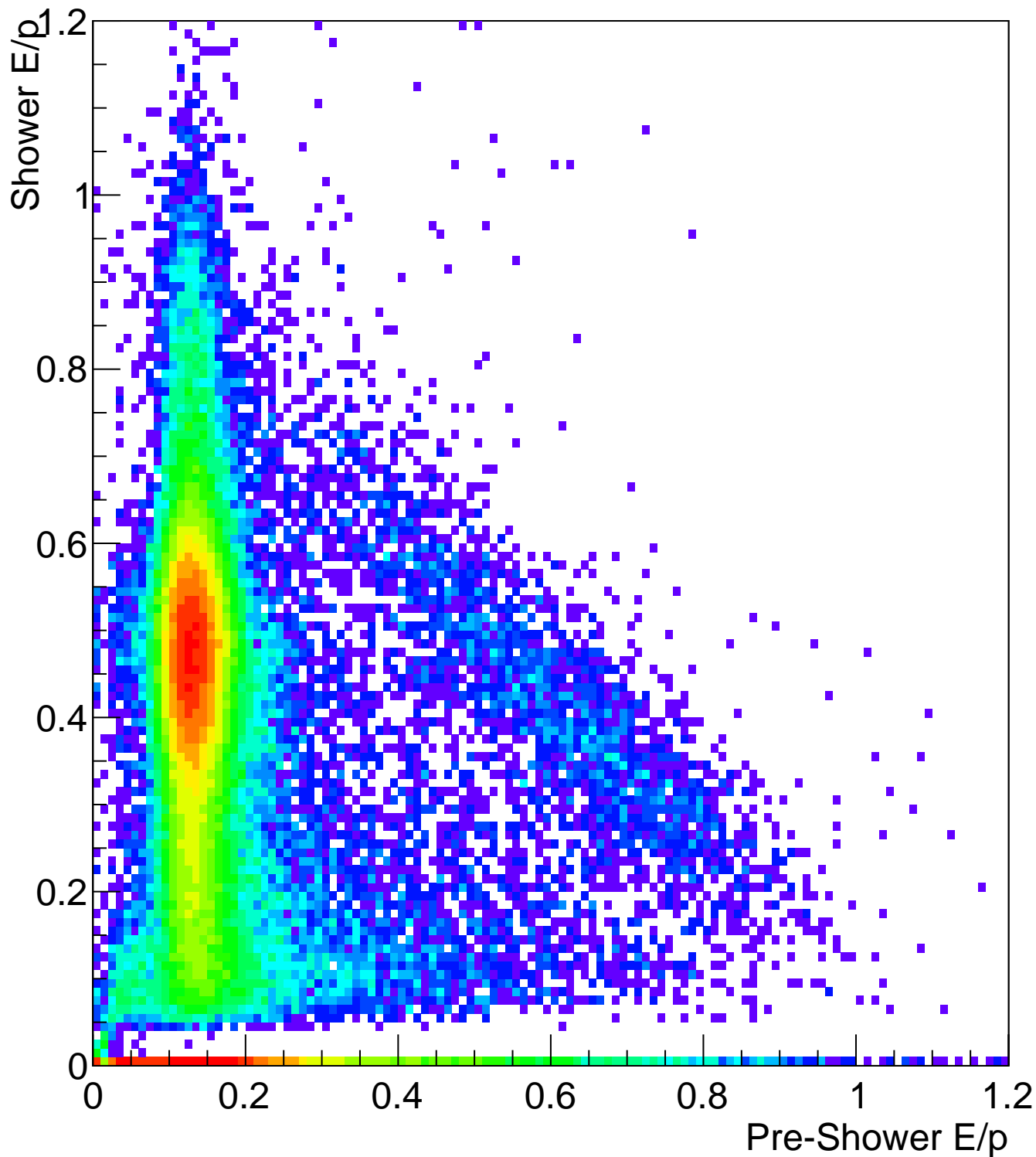
Calorimeter Hardware Sum: Amplitude vs. Time

Calorimeter Hardware Sum: Amplitude vs. Time

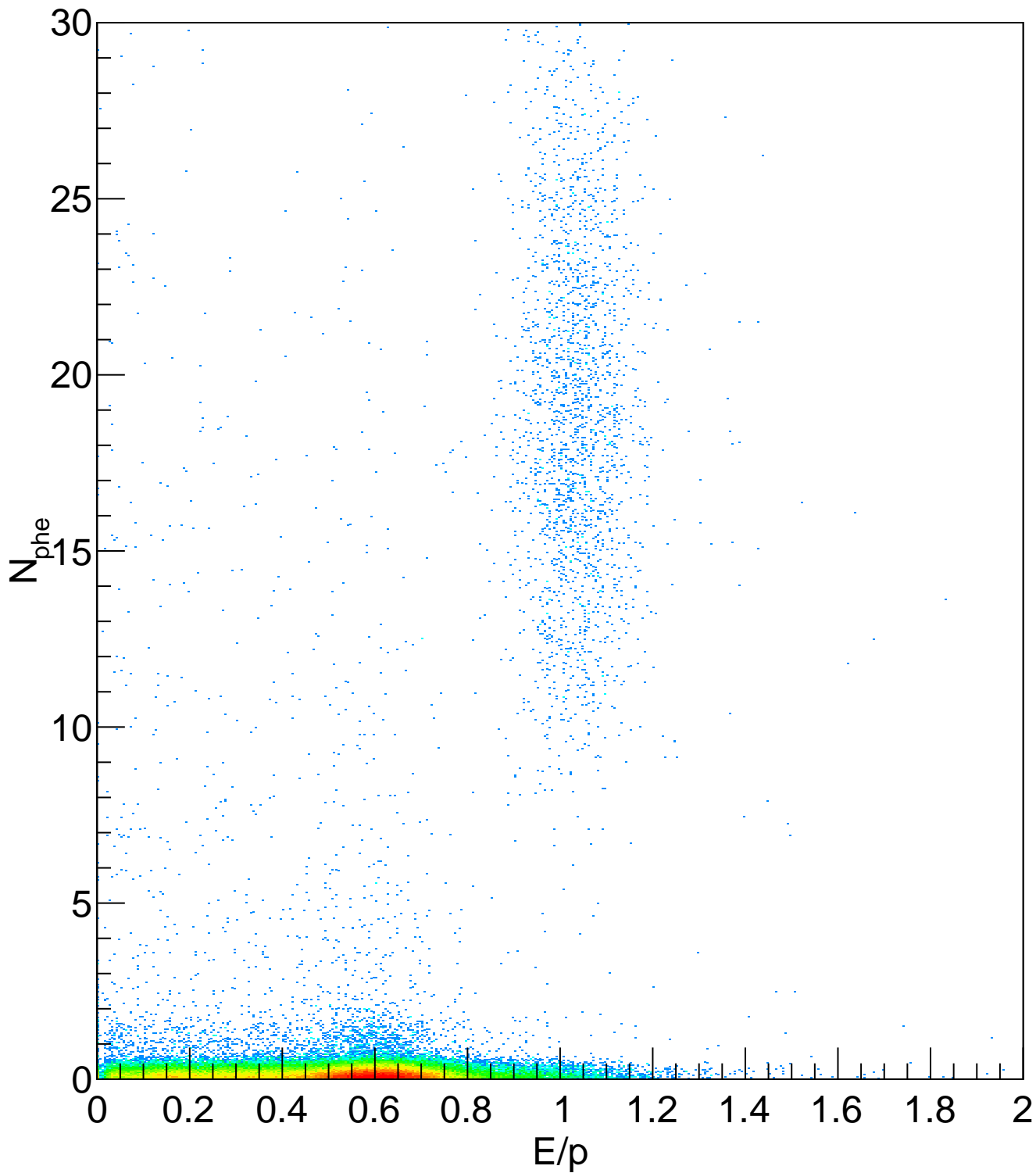


Shower E/p vs. Pre-Shower E/p

# Shower E/p vs. Pre-Shower E/p



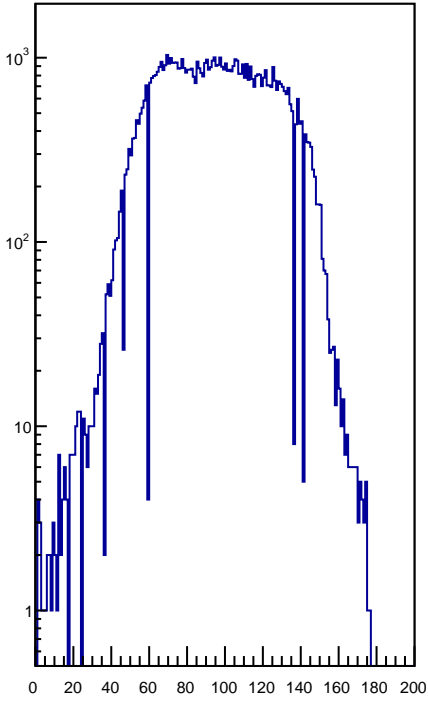
# Gas Cherenkov $N_{\text{phe}}$ vs. Calorimeter $E/p$



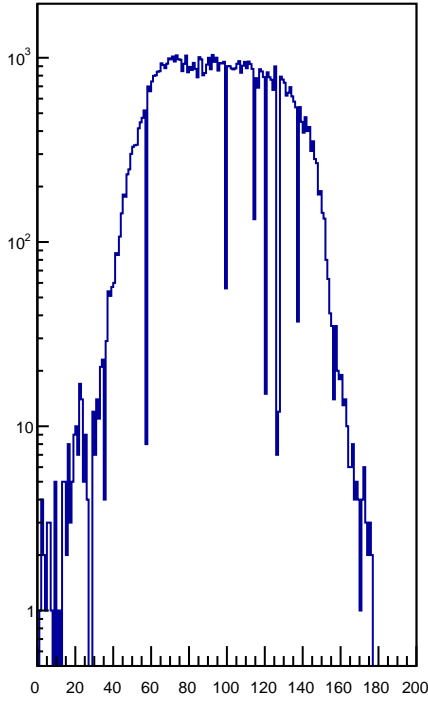
# Run #21964

## Corrected Straw Number of Hits (Straw Chamber)

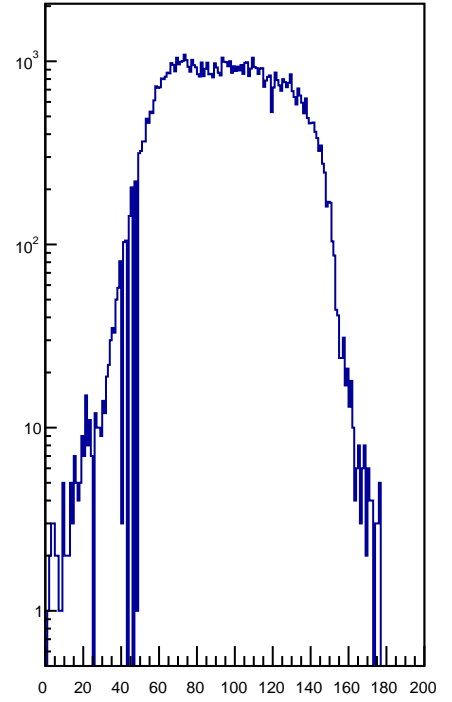
Straw Number of hit on U1



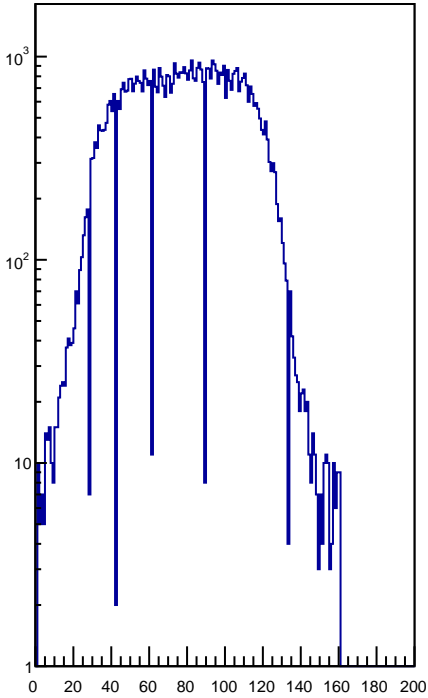
Straw Number of hit on U2



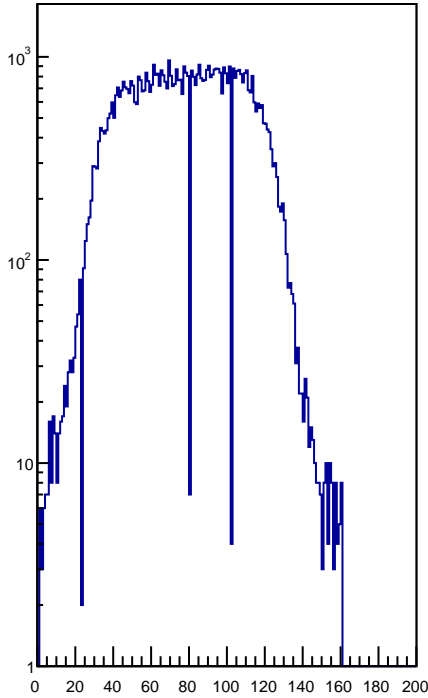
Straw Number of hit on U3



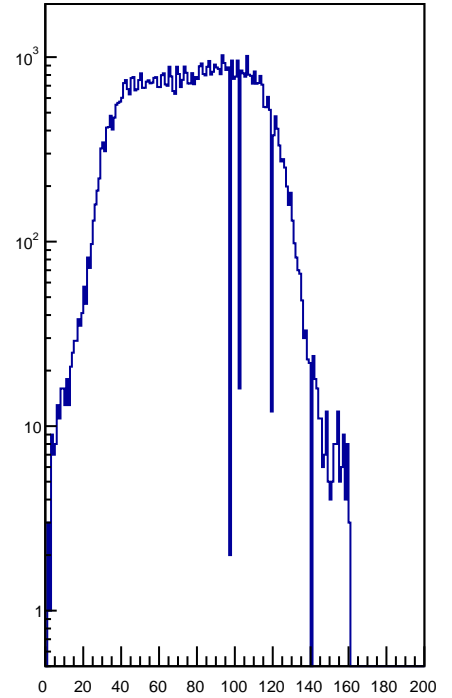
Straw Number of hit on V1



Straw Number of hit on V2

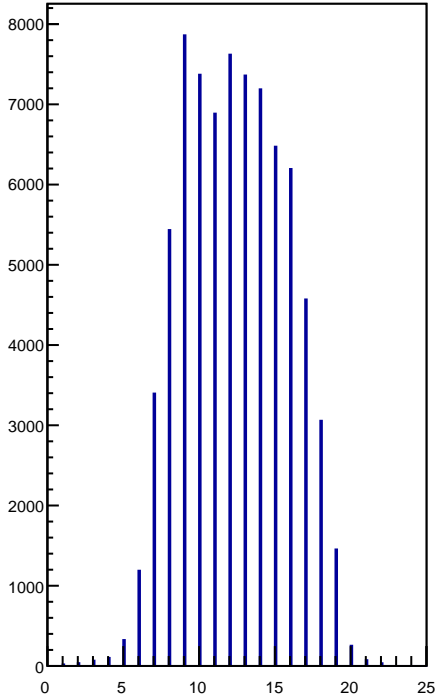


Straw Number of hit on V3

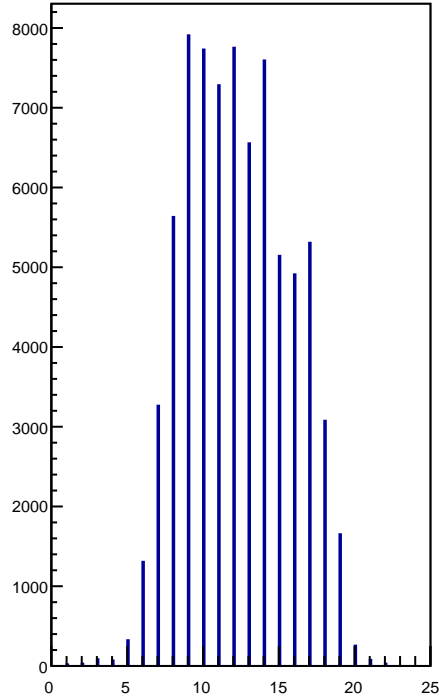


## Wire Groups Hits (Straw Chamber)

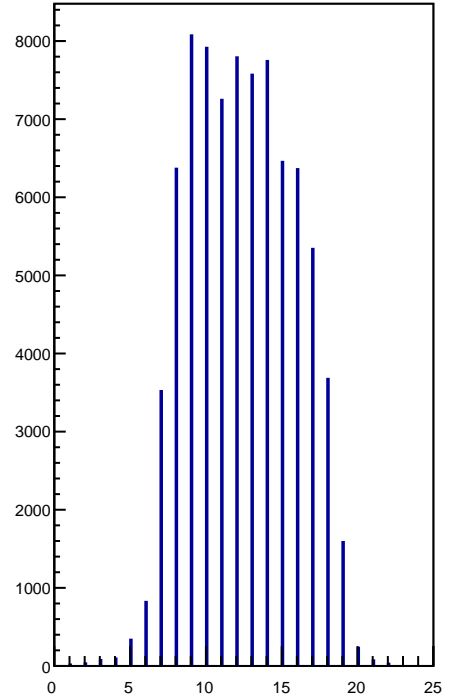
Number of hits Per WG on U1



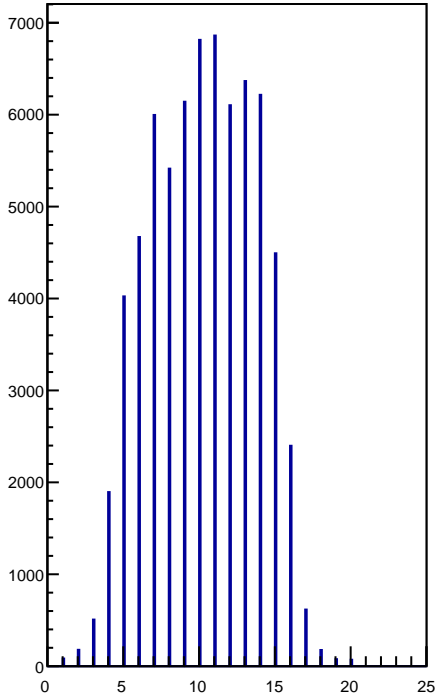
Number of hits Per WG on U2



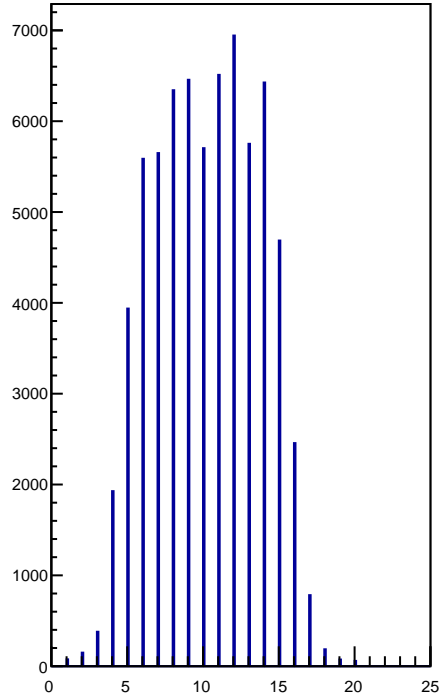
Number of hits Per WG on U3



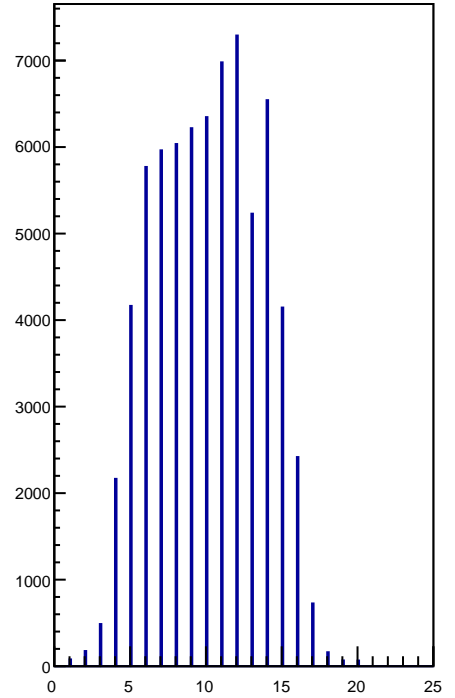
Number of hits Per WG on V1



Number of hits Per WG on V2

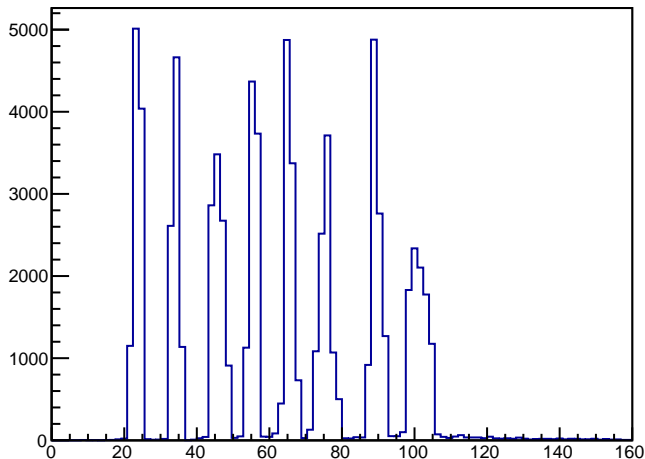


Number of hits Per WG on V3

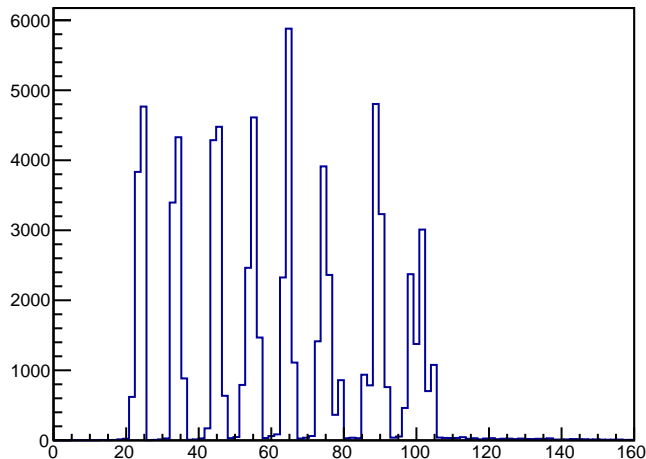


## TDC Pulse Widths (Straw Chamber)

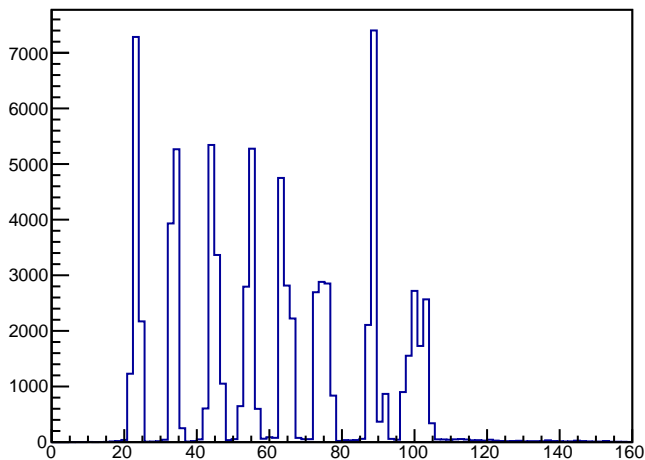
### TDC Widths for U1



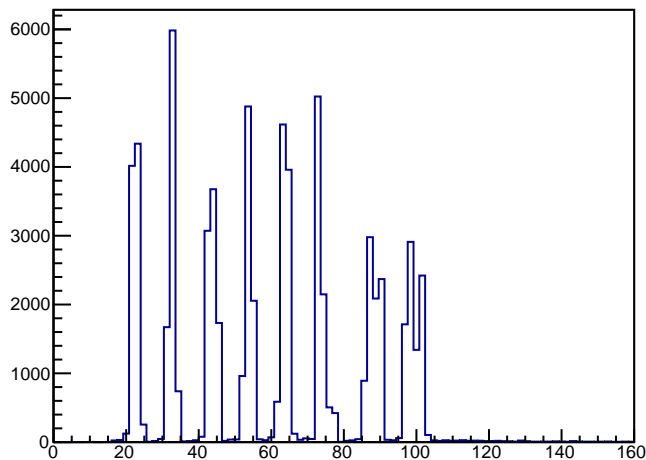
### TDC Widths for U2



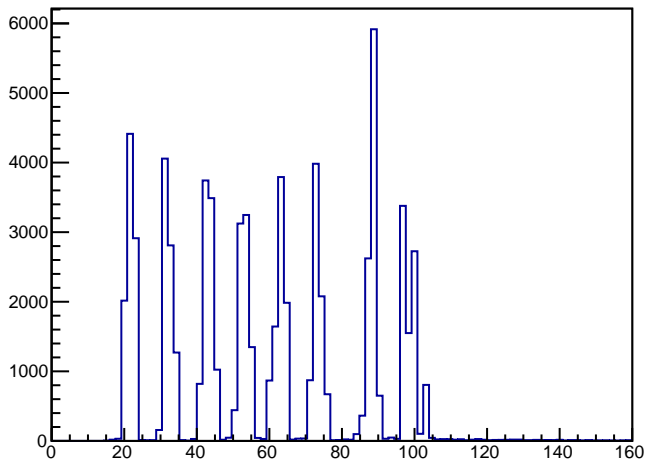
### TDC Widths for U3



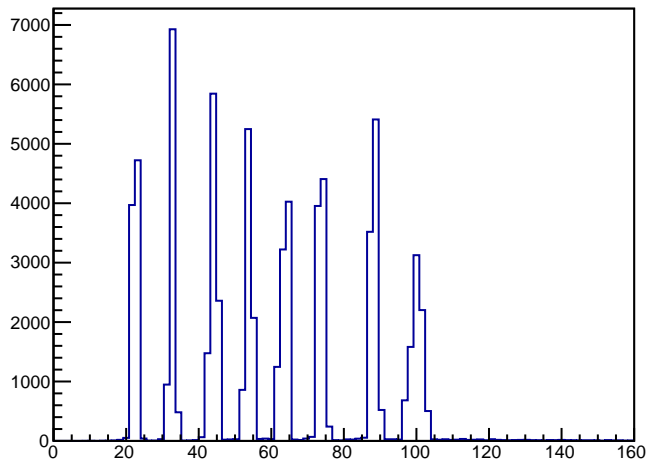
### TDC Widths for V1



### TDC Widths for V2



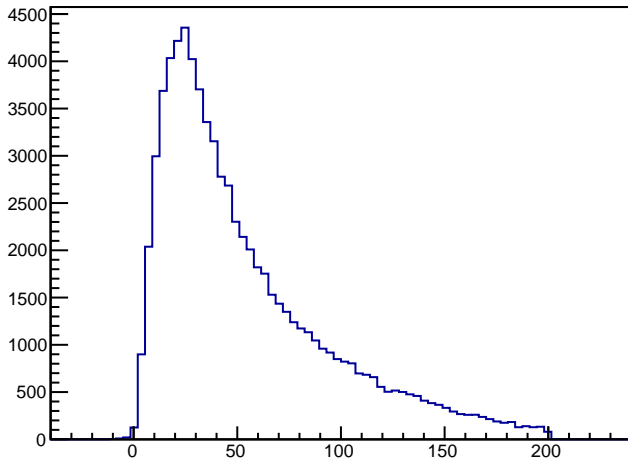
### TDC Widths for V3



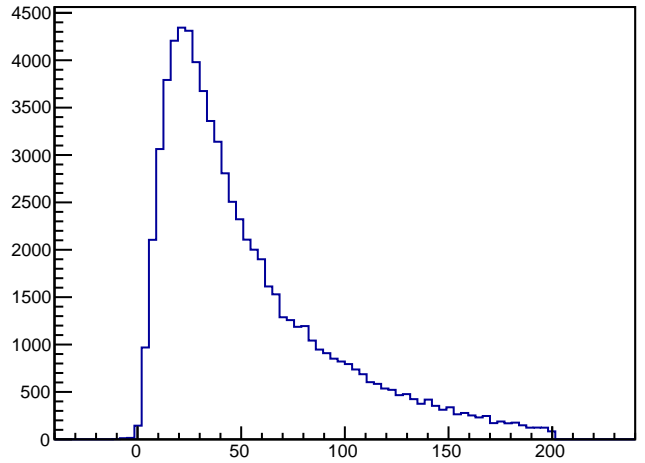
# Run #21964

## Leading edge TDCs corrected (Straw Chamber)

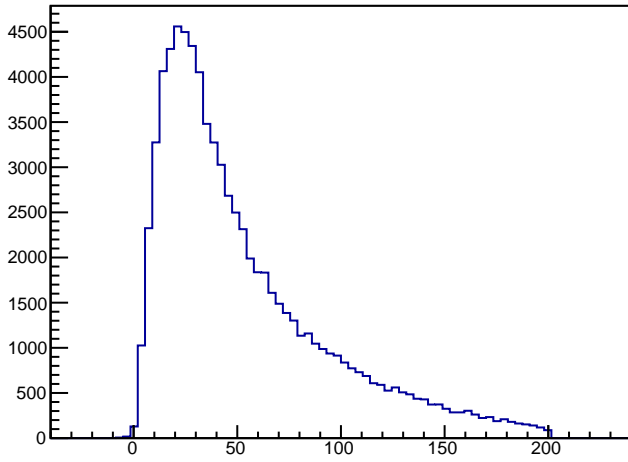
Leading Edge TDC for U1(Corrected)



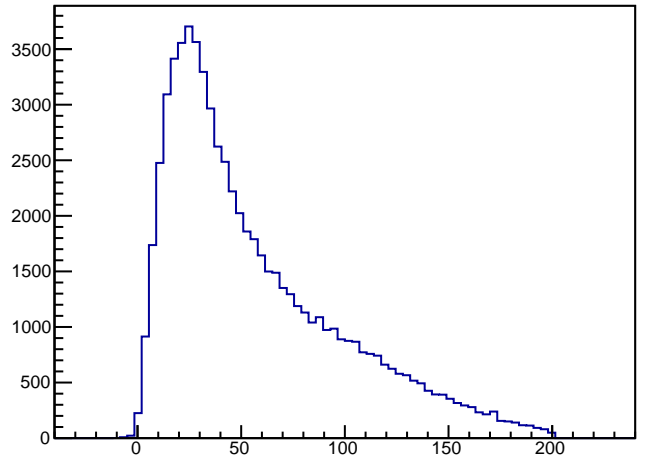
Leading Edge TDC for U2(Corrected)



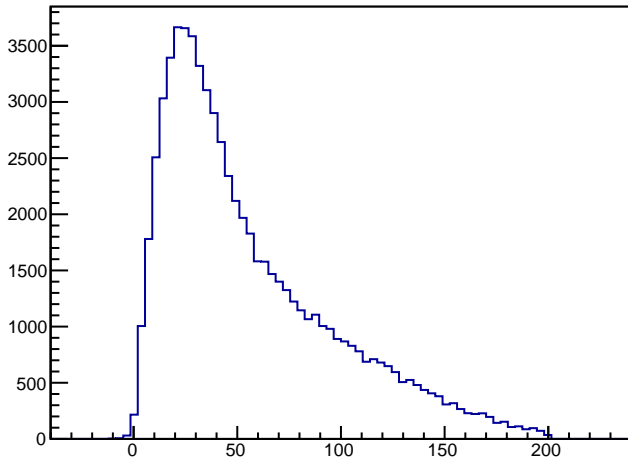
Leading Edge TDC for U3(Corrected)



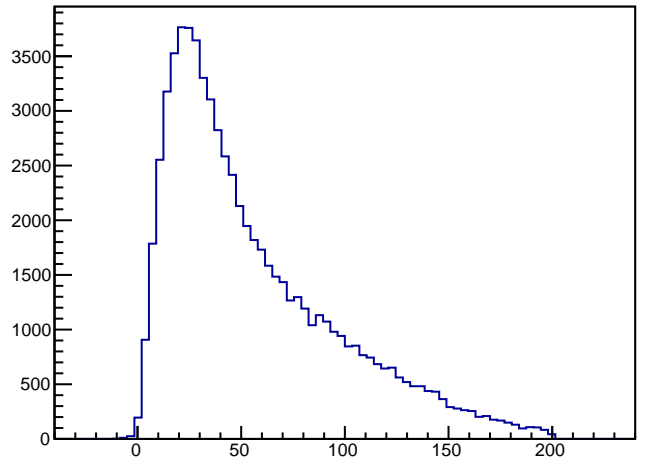
Leading Edge TDC for V1(Corrected)



Leading Edge TDC for V2(Corrected)



Leading Edge TDC for V3(Corrected)

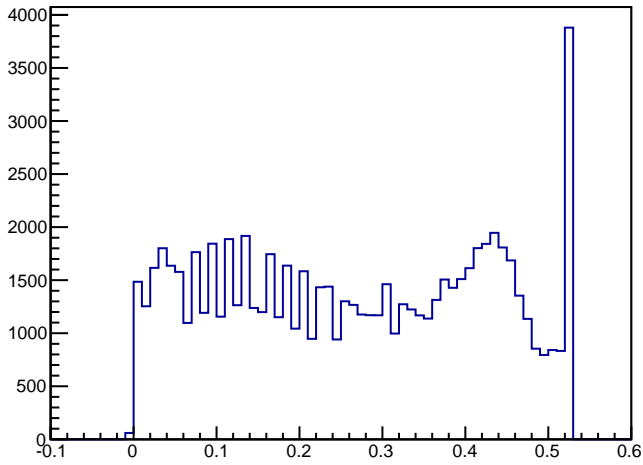




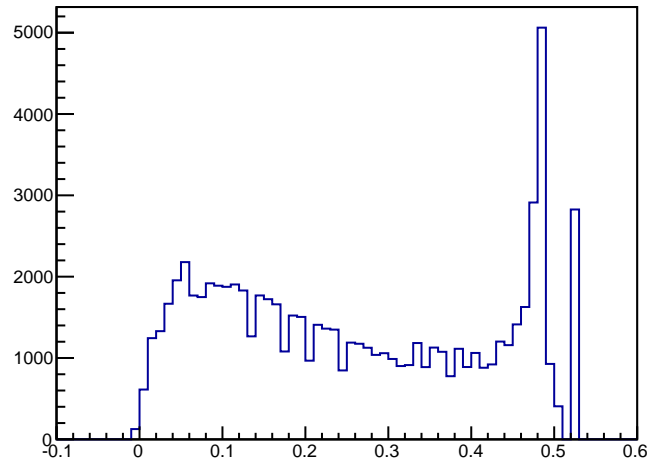
# Run #21964

## Drift distance corrected (Straw Chamber)

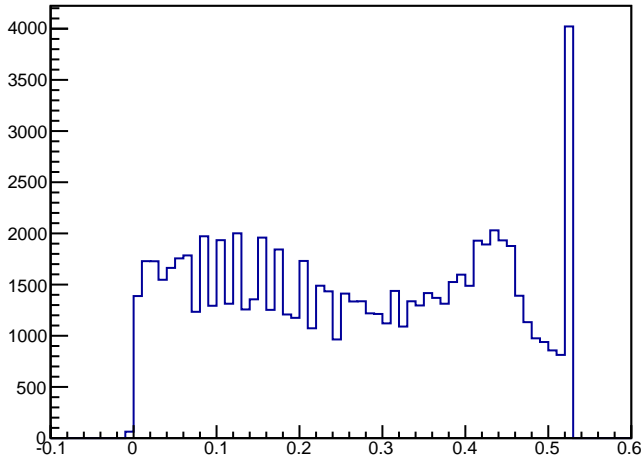
Drift Distance for U1(Corrected)



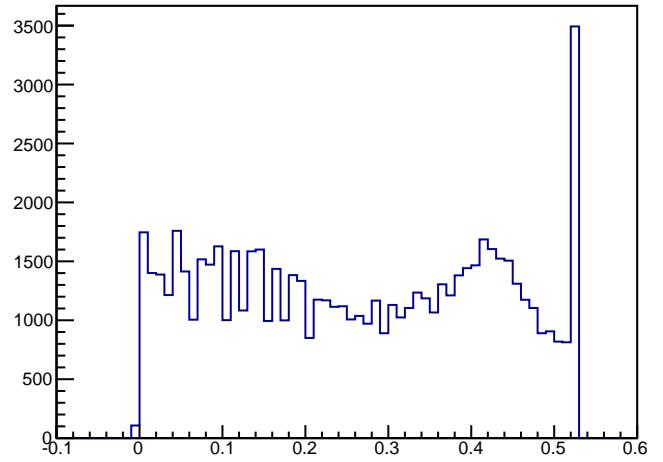
Drift Distance for U2(Corrected)



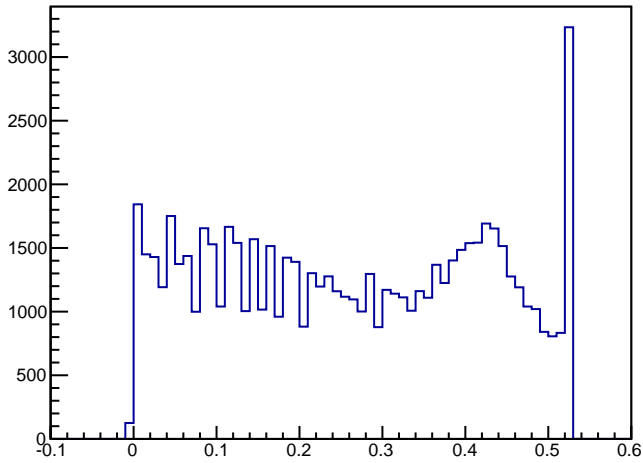
Drift Distance for U3(Corrected)



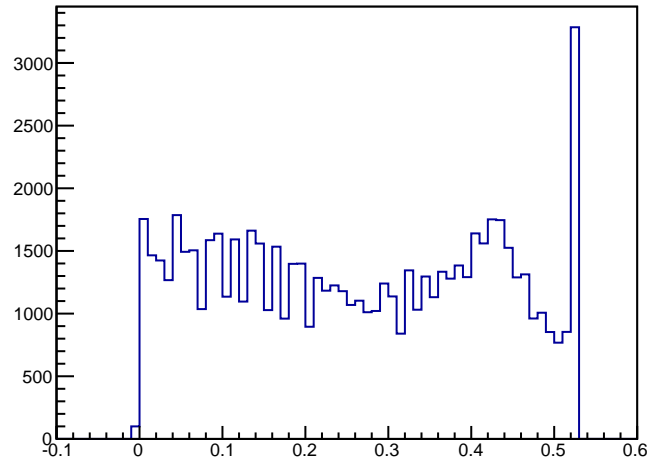
Drift Distance for V1(Corrected)



Drift Distance for V2(Corrected)

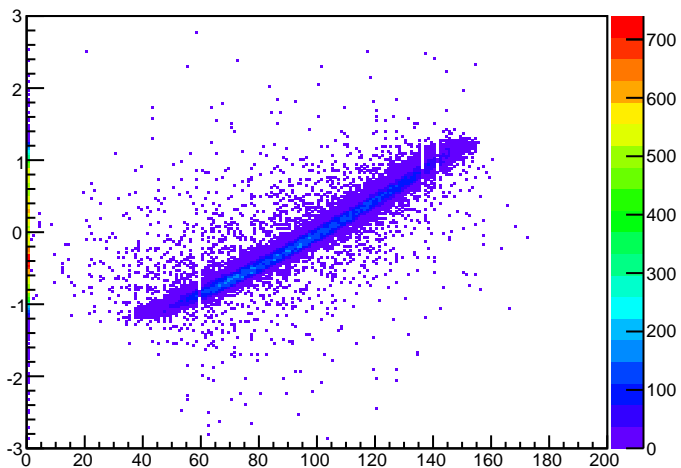


Drift Distance for V3(Corrected)

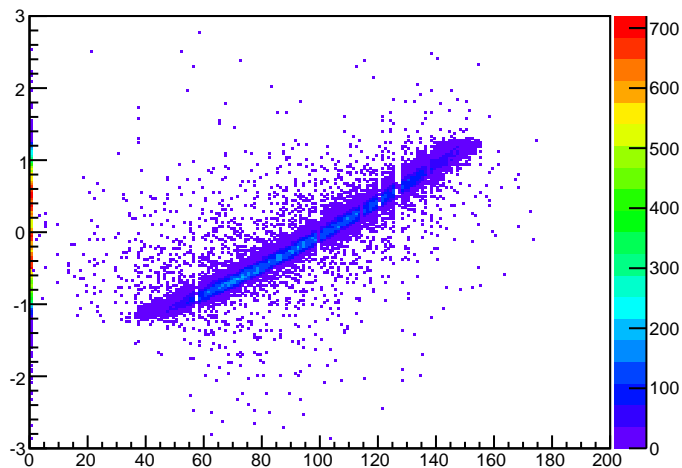


## Tracking Position X vs Straw Chamber

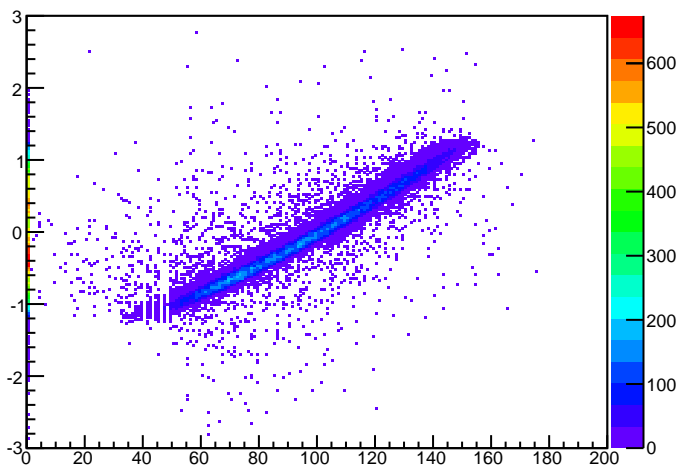
Track X vs Straw Number on U1



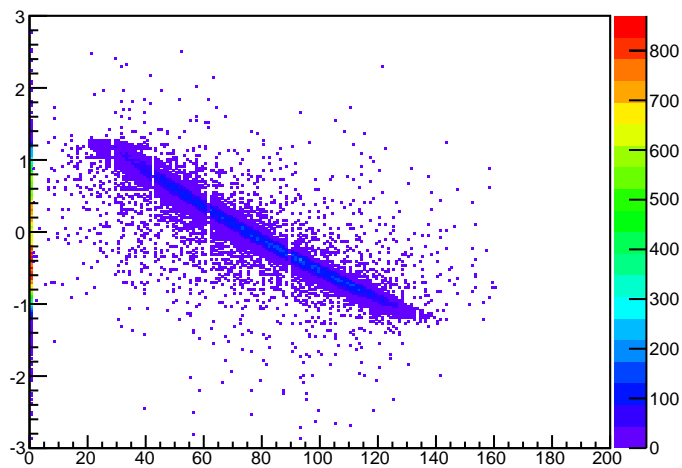
Track X vs Straw Number on U2



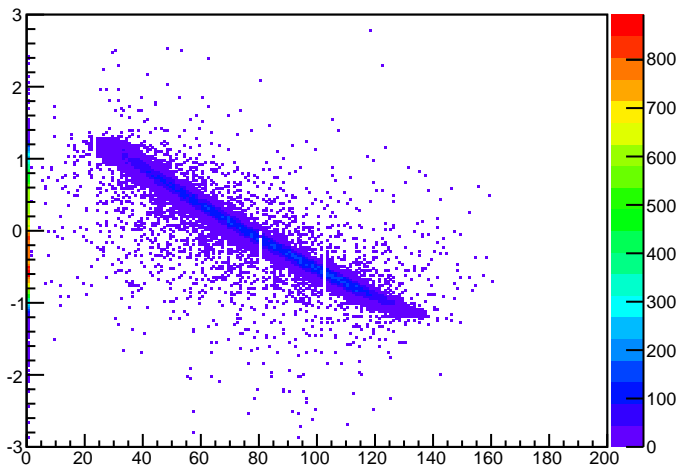
Track X vs Straw Number on U3



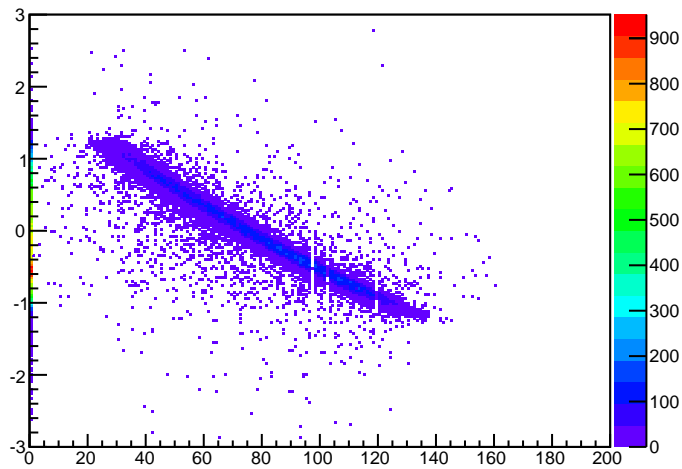
Track X vs Straw Number on V1



Track X vs Straw Number on V2

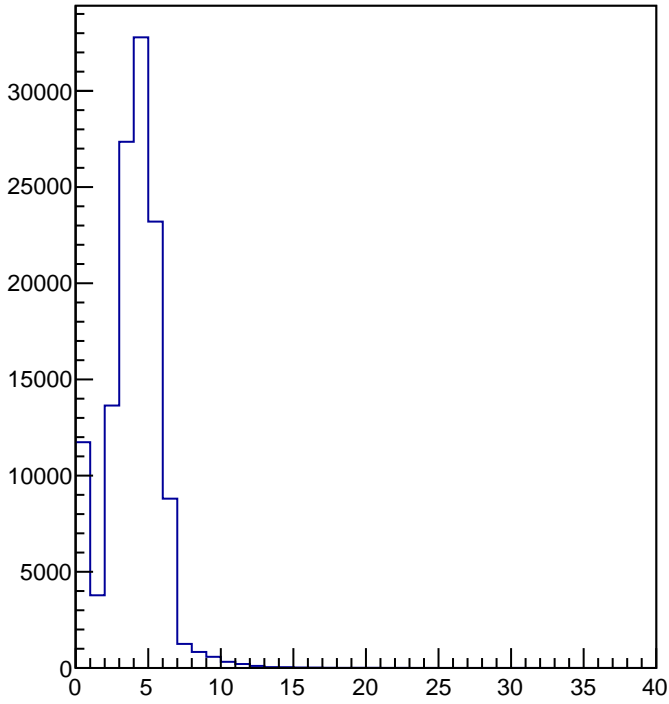


Track X vs Straw Number on V3

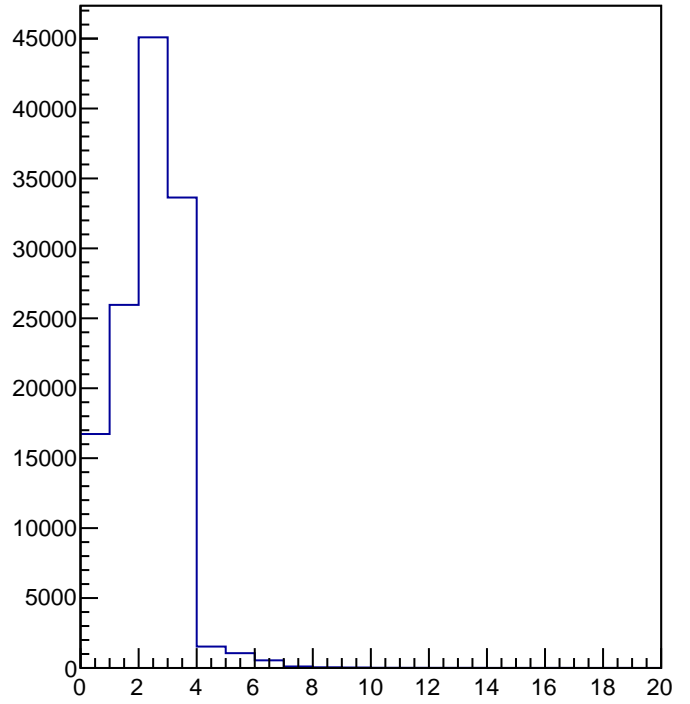


## Number of hits in Straw Chamber

### Total number of hits Spectra



### U chamber hits



### V chamber hits

