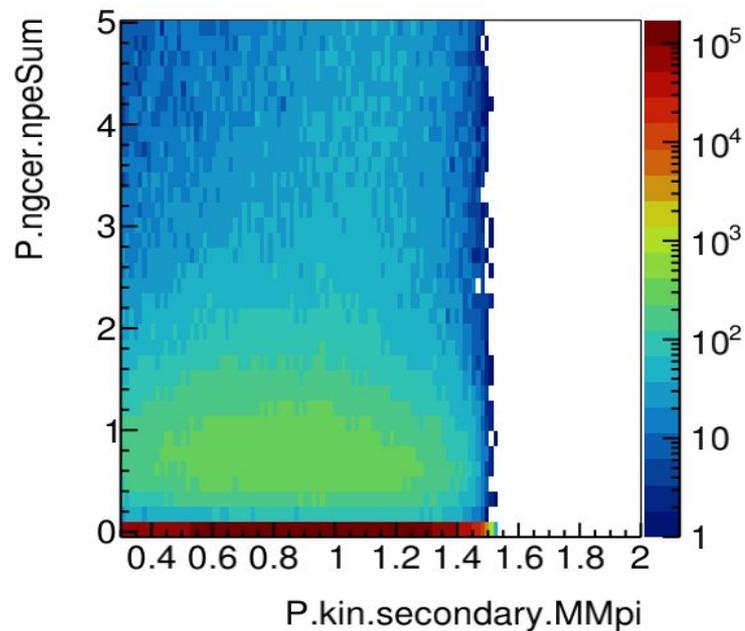
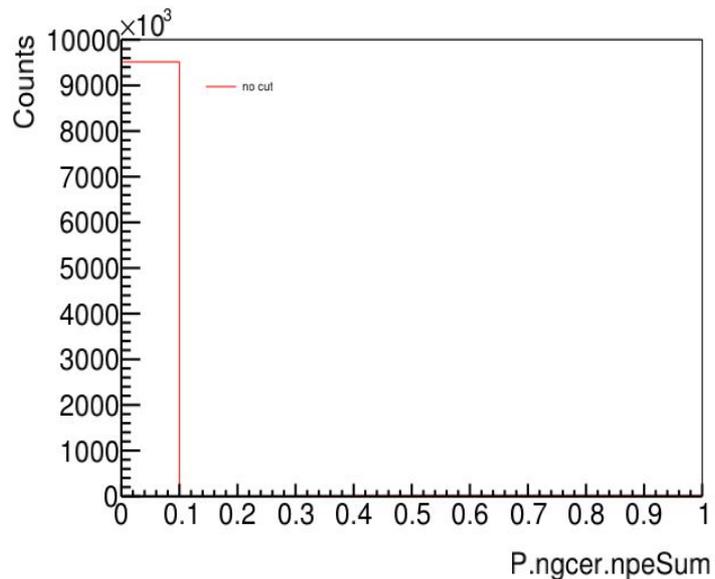


# NGCer Calibration for LD2-

Nermin Sadoun  
University of Regina

# NGC before Calibration Check

Only Acceptance cuts applied

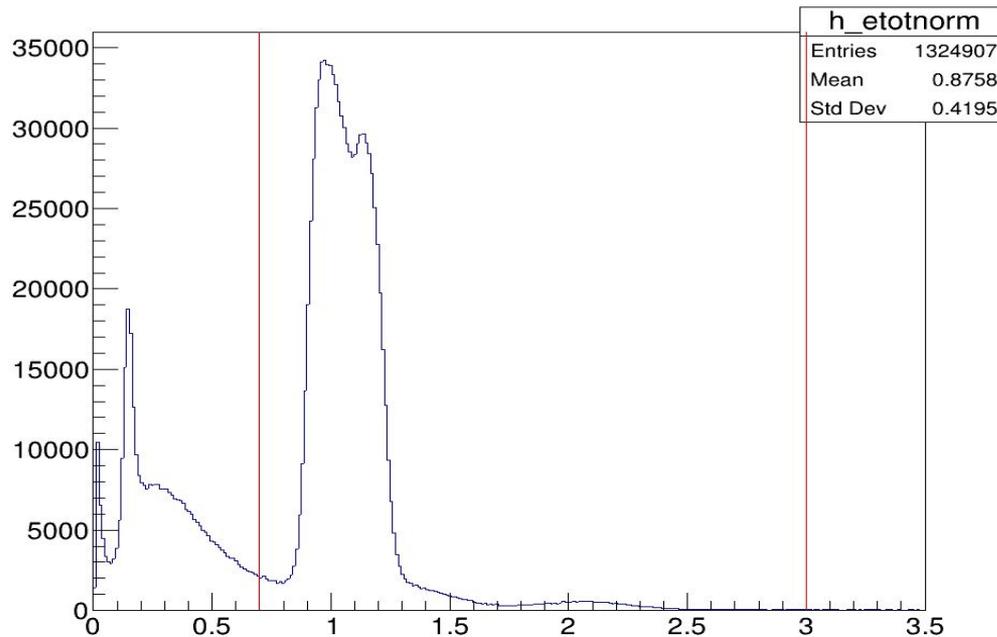


# Cuts for a Clean Electron Sample

Run 12035

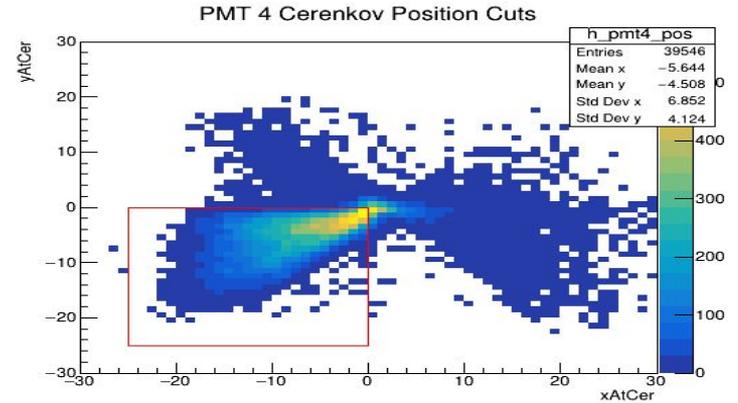
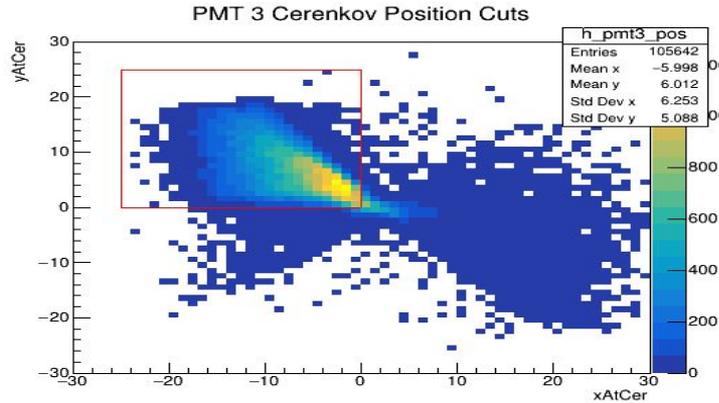
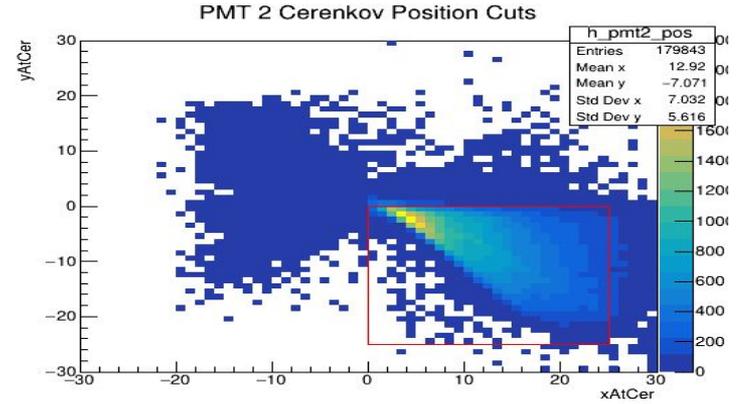
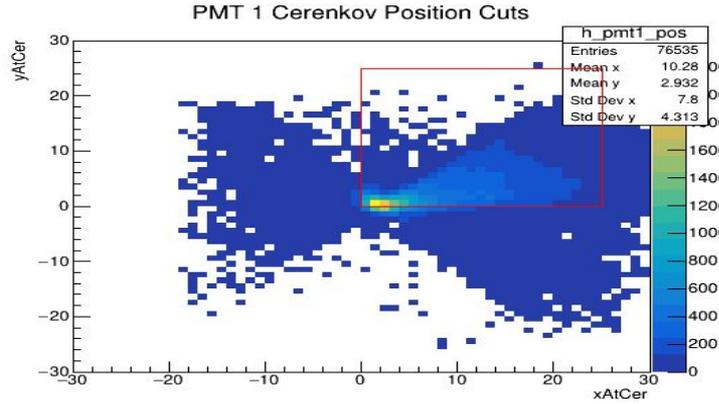
SHMS momentum accept cut:  
 $-10 < dp < 22$

P.cal.etotnorm Cuts on All Events

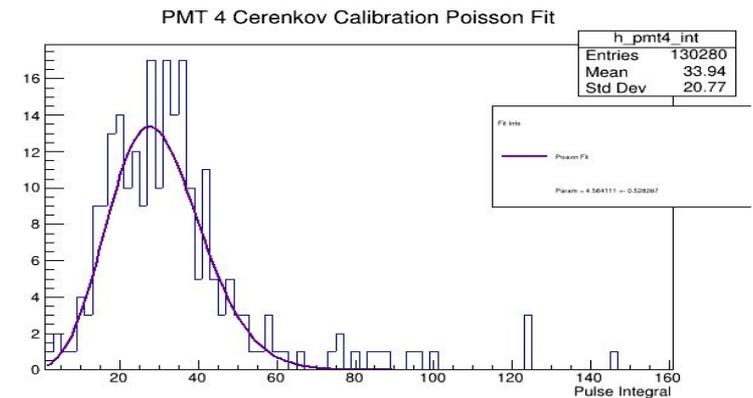
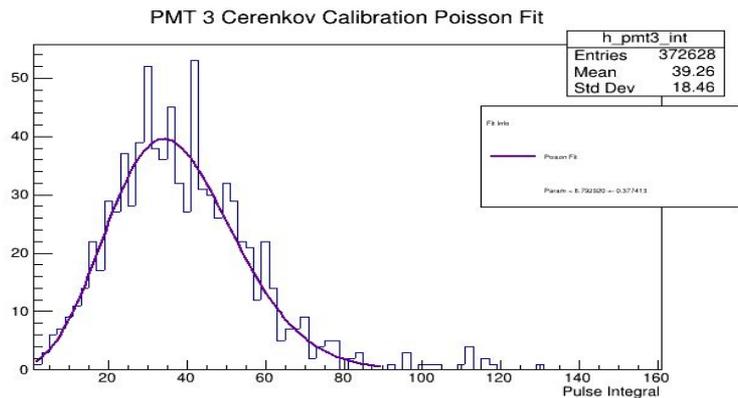
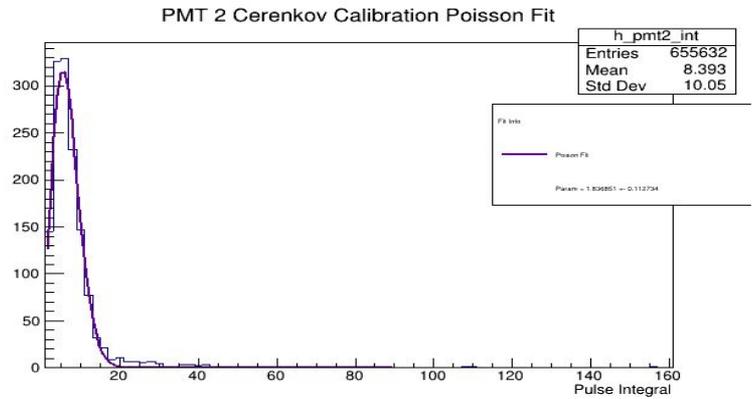
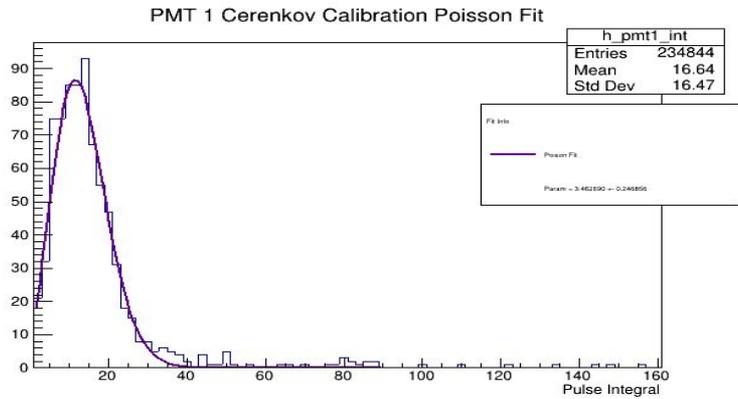


# Multiplicity and Position Cuts

Run 12035



# Pulse integral distributions and Poisson fits



# Gain Factors

## Run 12035

```
1/PMT1 Calibration Constant Poisson: 3.46269  
1/PMT2 Calibration Constant Poisson: 1.83685  
1/PMT3 Calibration Constant Poisson: 6.79292  
1/PMT4 Calibration Constant Poisson: 4.56411
```

## Run 12029&12026

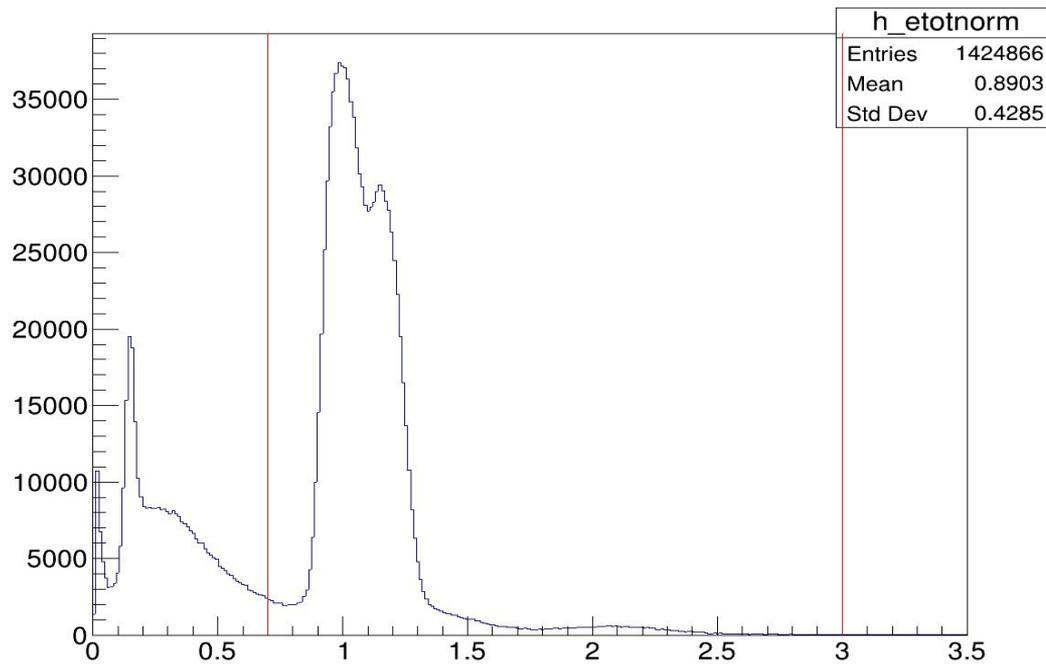
```
1/PMT1 Calibration Constant Poisson: 3.08888  
1/PMT2 Calibration Constant Poisson: 1.60786  
1/PMT3 Calibration Constant Poisson: 5.67756  
1/PMT4 Calibration Constant Poisson: 5.79194
```

## Run 12029&12026&12035

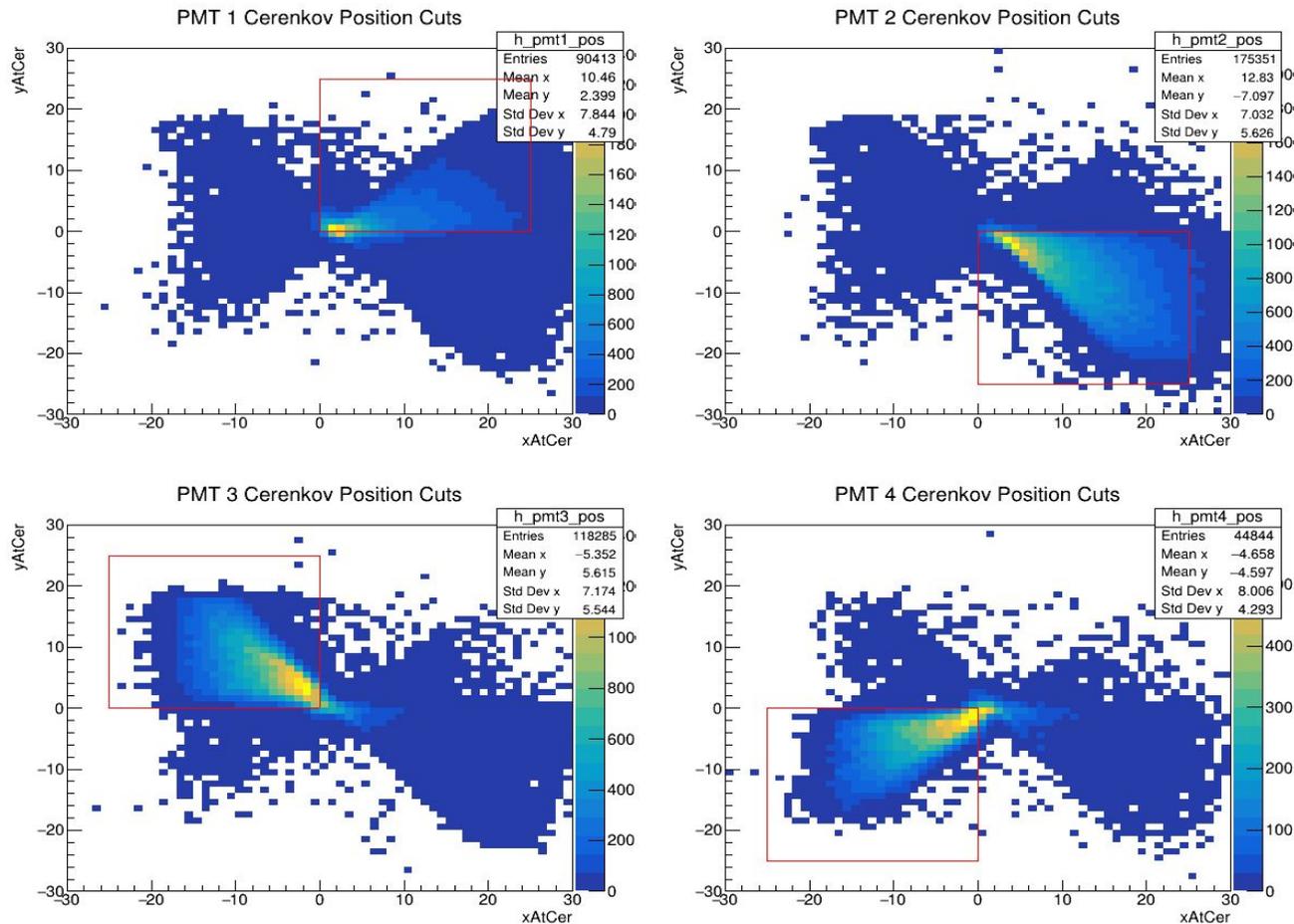
```
1/PMT1 Calibration Constant Poisson: 3.38967  
1/PMT2 Calibration Constant Poisson: 1.73535  
1/PMT3 Calibration Constant Poisson: 6.37653  
1/PMT4 Calibration Constant Poisson: 4.91154
```

**Runs 12026&12029**

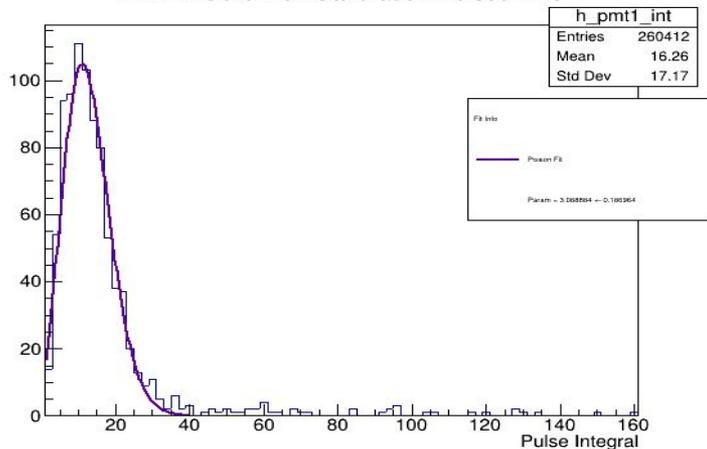
P.cal.etotnorm Cuts on All Events



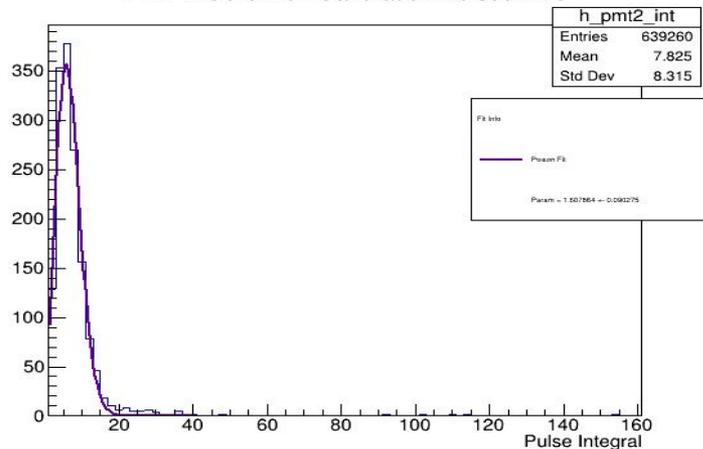
# Runs 12026&12029



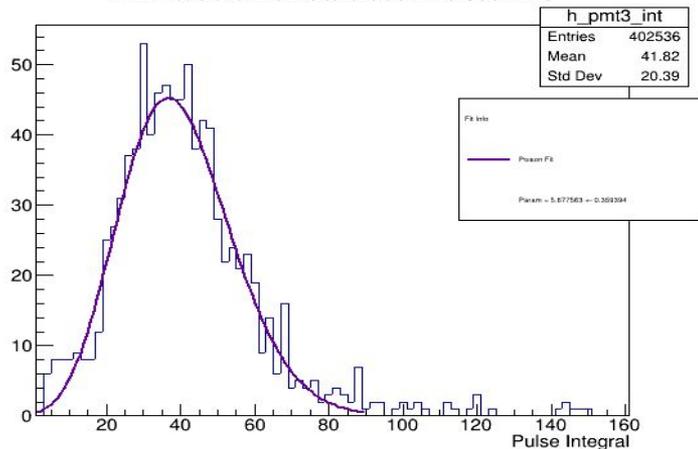
PMT 1 Cerenkov Calibration Poisson Fit



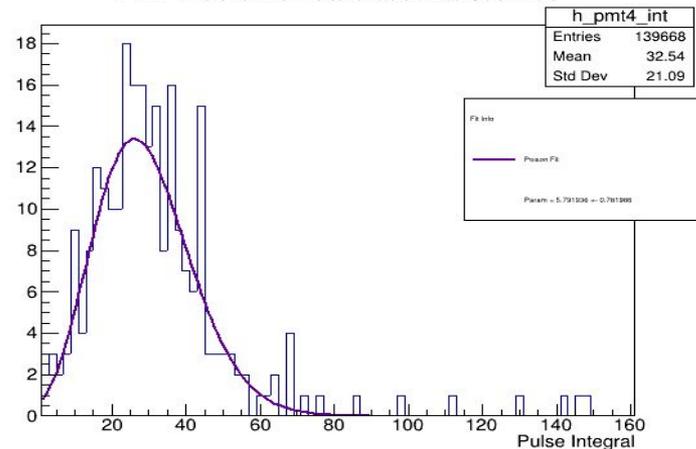
PMT 2 Cerenkov Calibration Poisson Fit



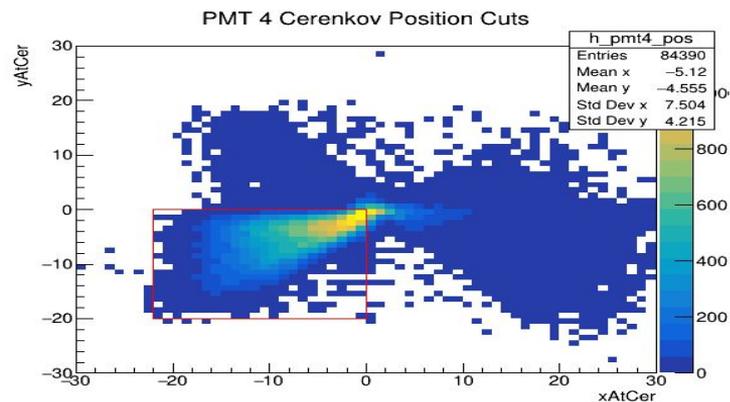
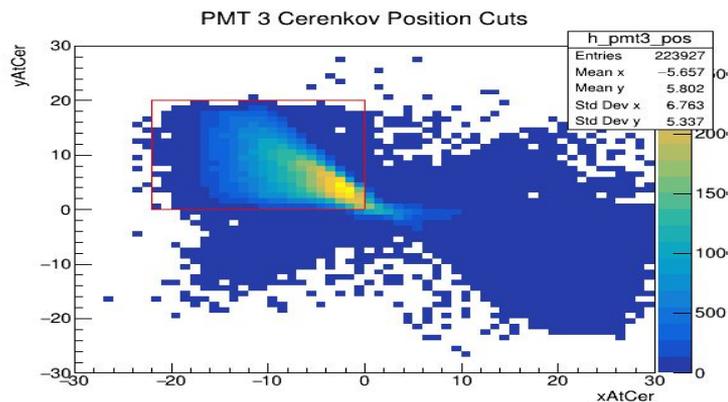
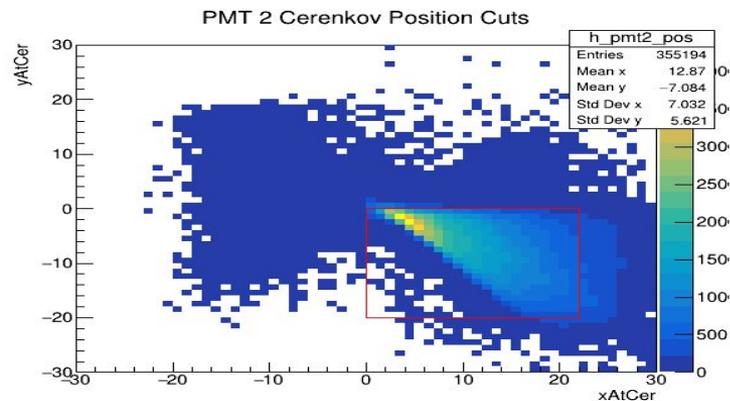
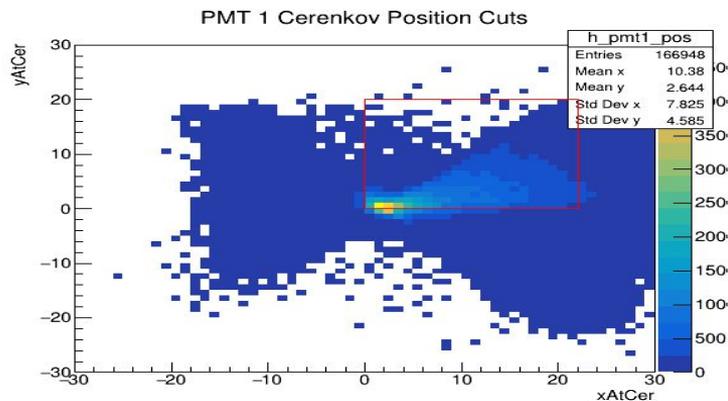
PMT 3 Cerenkov Calibration Poisson Fit



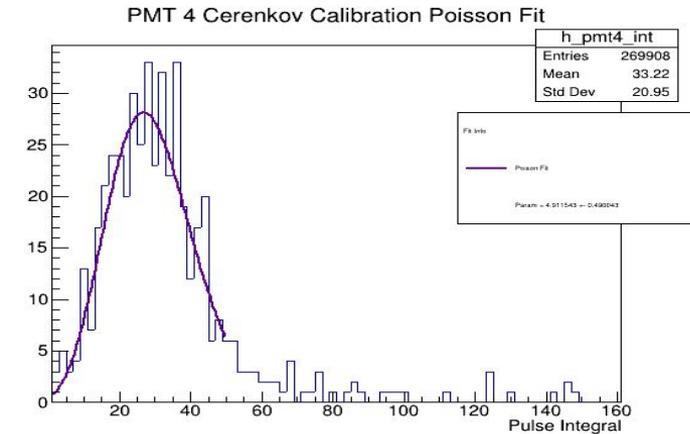
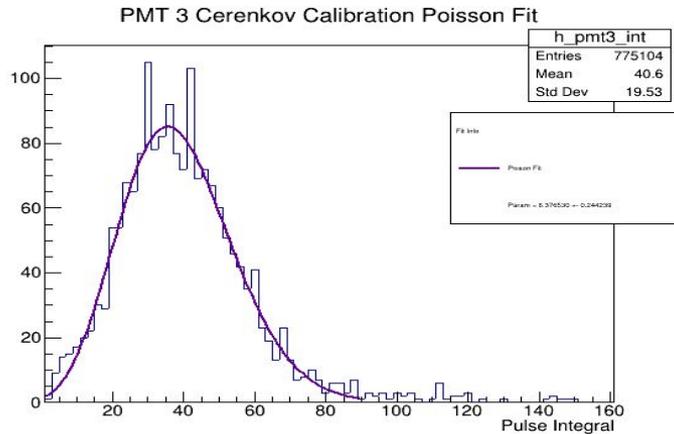
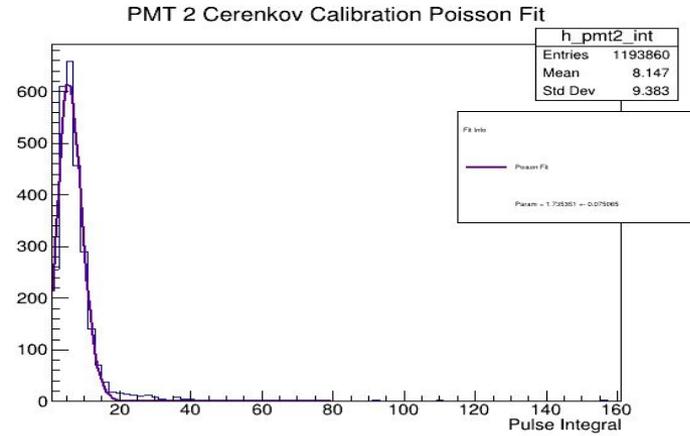
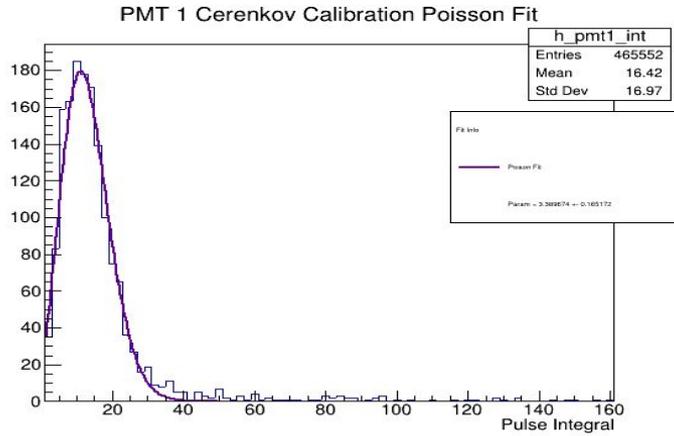
PMT 4 Cerenkov Calibration Poisson Fit



# Runs 12029&12026&12035

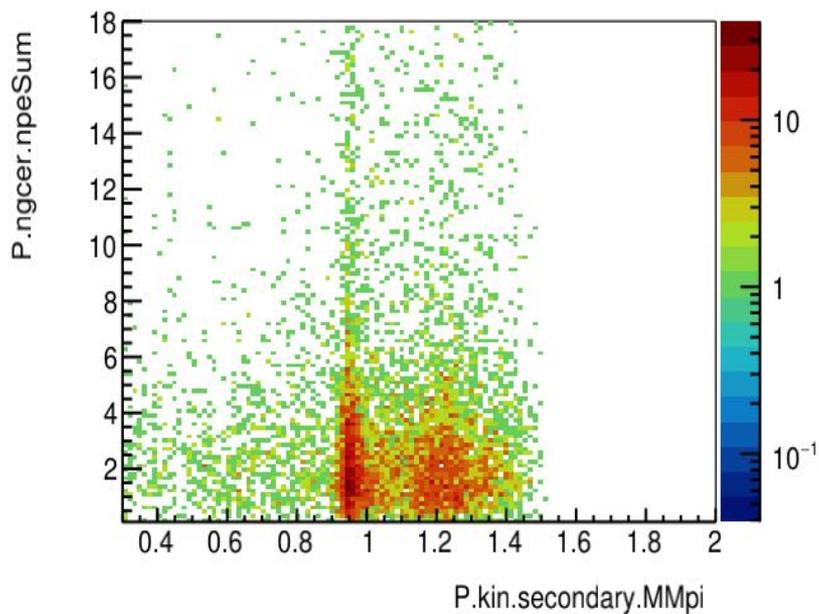


# Runs 12029&12026&12035



# NGC After Calibration

With Accept+CT+Pcal



With Acceptance cuts

