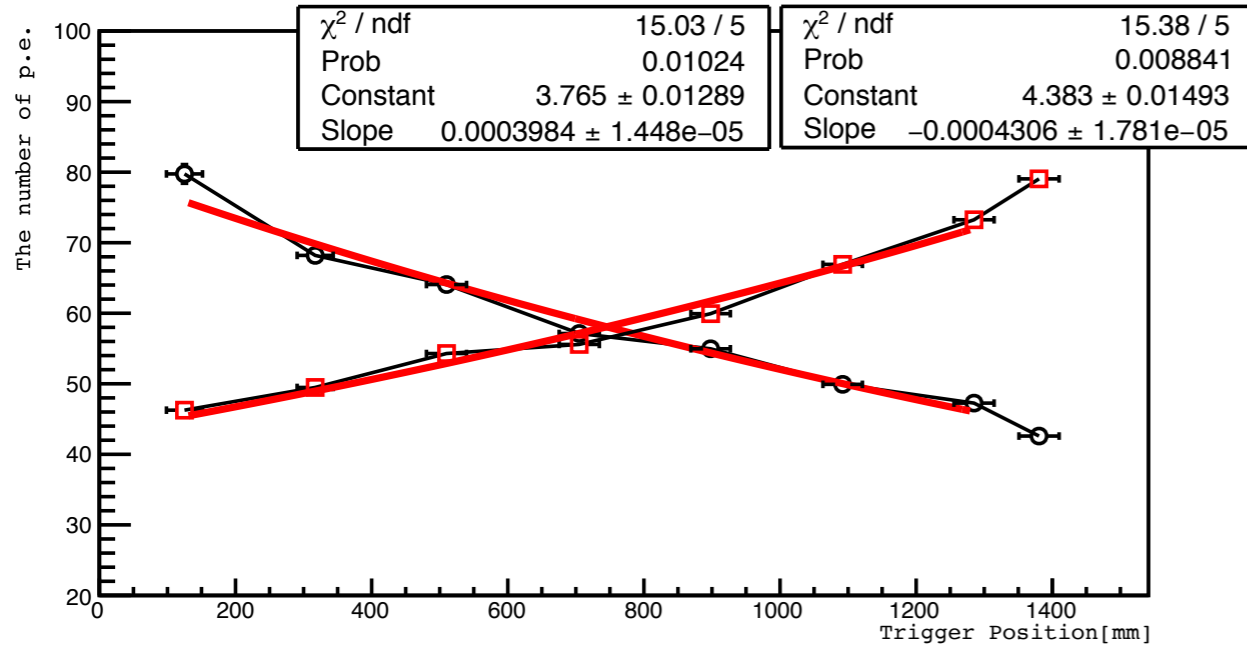


# Daily report

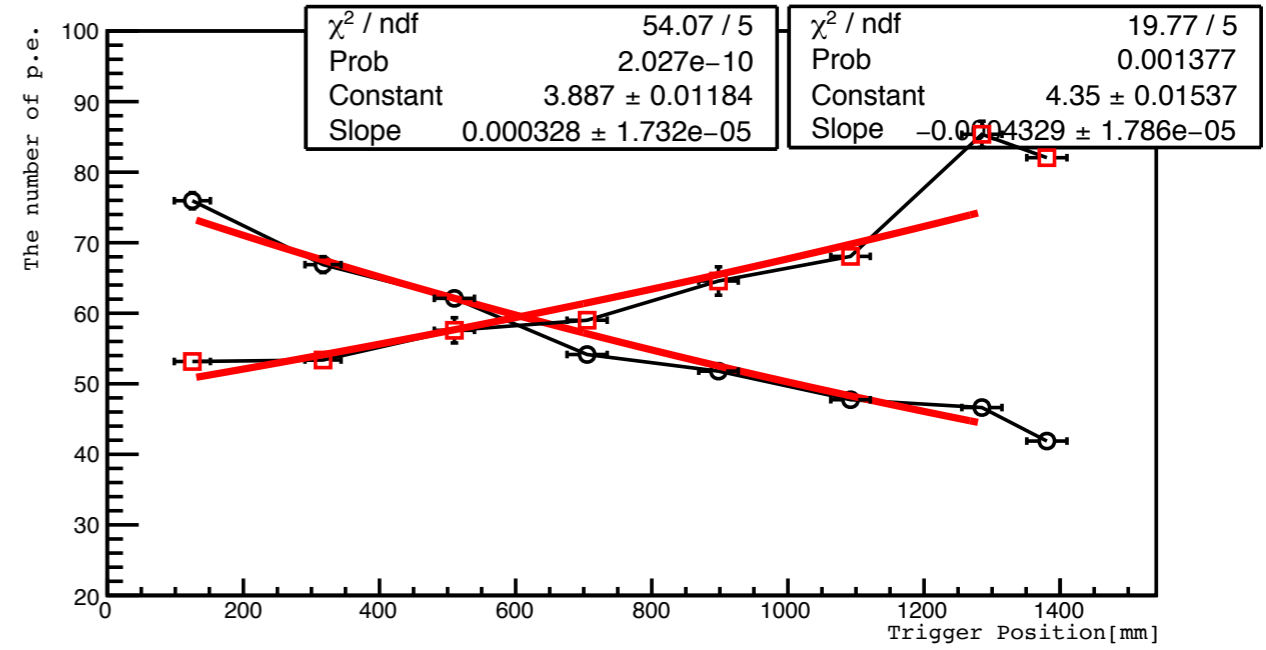
06 March, 2019

# DCV1(p.e.)

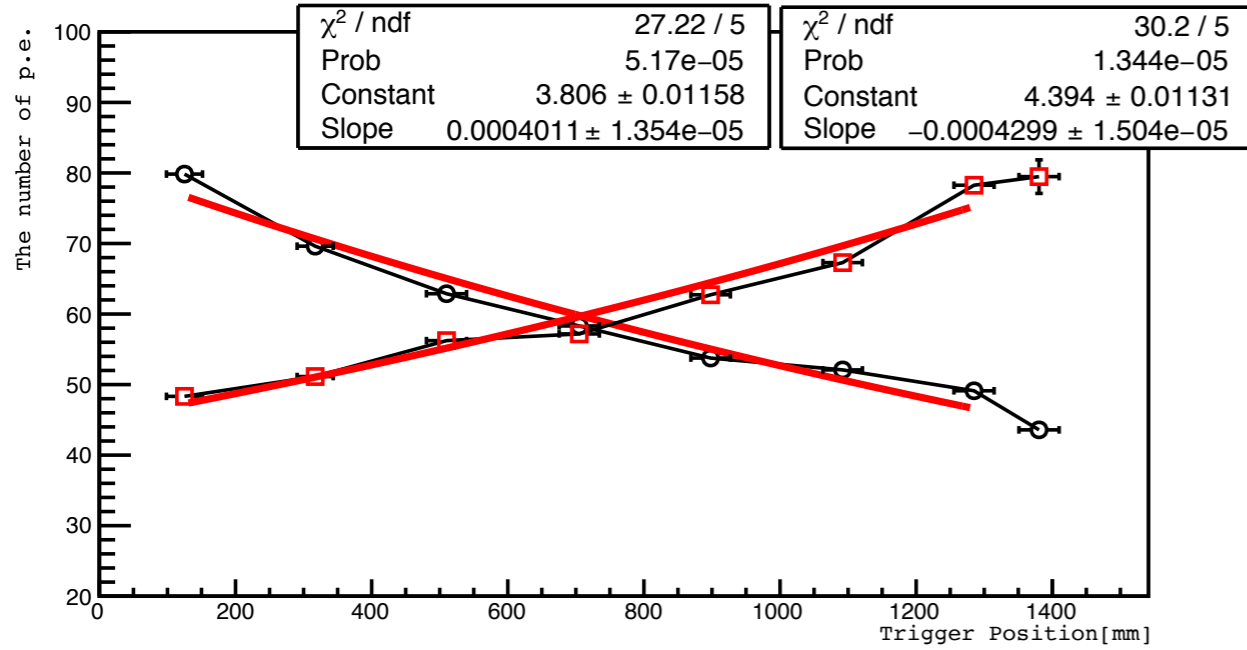
DCV1 Module0



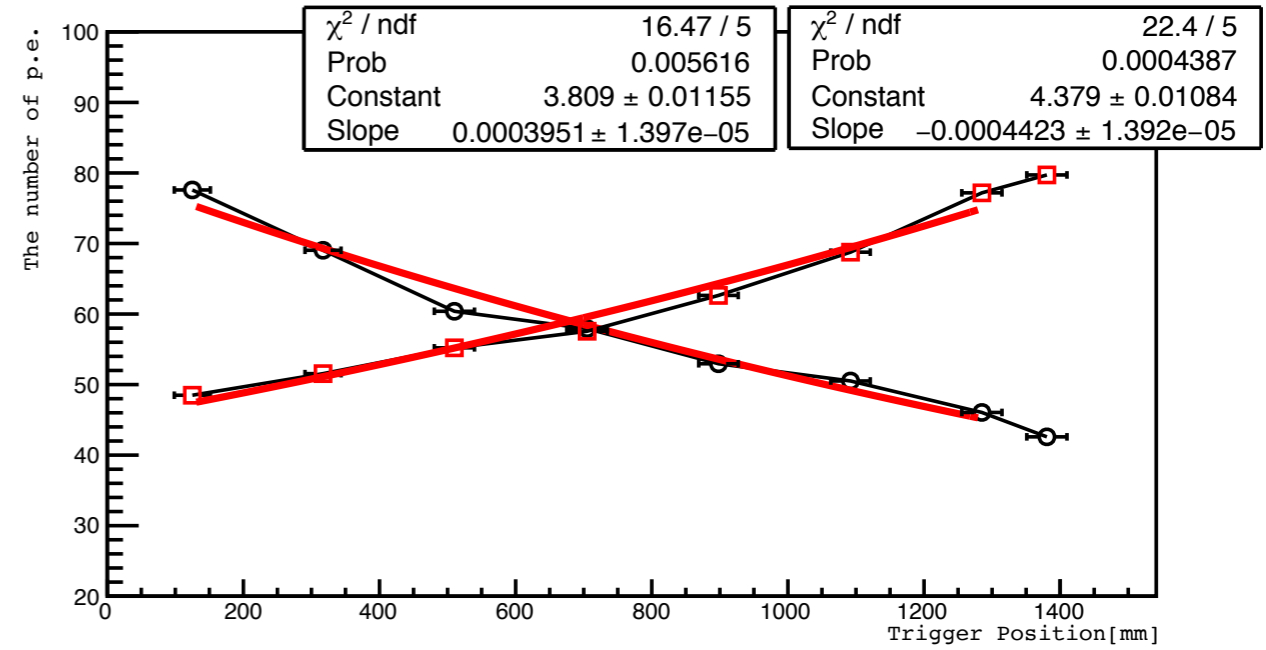
DCV1 Module1



DCV1 Module2



DCV1 Module3

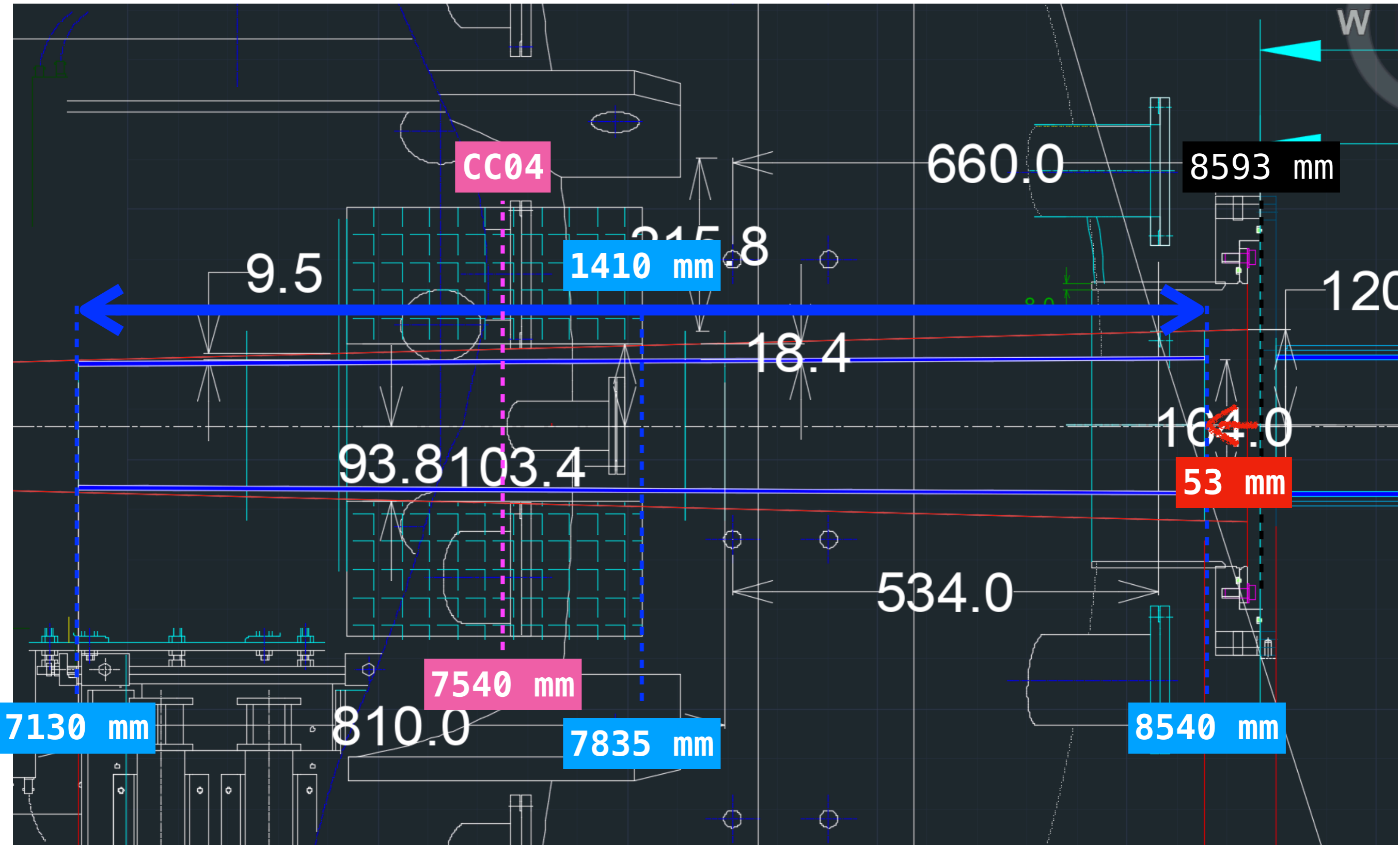


# DCV1

	Mod 0		Mod 1		Mod 2		Mod 3	
	F	R	F	R	F	R	F	R
Const.	4.383	3.765	4.35	3.887	4.394	3.806	4.379	3.809
Slope	4.306 e-04	3.984 e-04	4.329 e-04	3.28 e-04	4.299 e-04	4.011 e-04	4.423 e-04	3.951 e-04

$$\text{Average } 1/\lambda = 0.0004073$$

# DCV1 Position



```

float foc_MPPC[32]={0.,0.,0.,0.,
                   5529.,4512.,4035.,3110.,
                   0.,0.,0.,0.,
                   6247.,5710.,3948.,3779.};
float foc_Combined[32]={0.,0.,0.,0.,
                       1.102,1.035,1.207,1.048,
                       0.,0.,0.,0.,
                       1.094,1.036,1.094,1.161};
float foc_All[32]={0.,0.,0.,0.,
                  1.654,1.797,1.654,1.797,
                  0.,0.,0.,0.,
                  1.617,1.782,1.617,1.782 };

```



Calibration factor for energy =

1

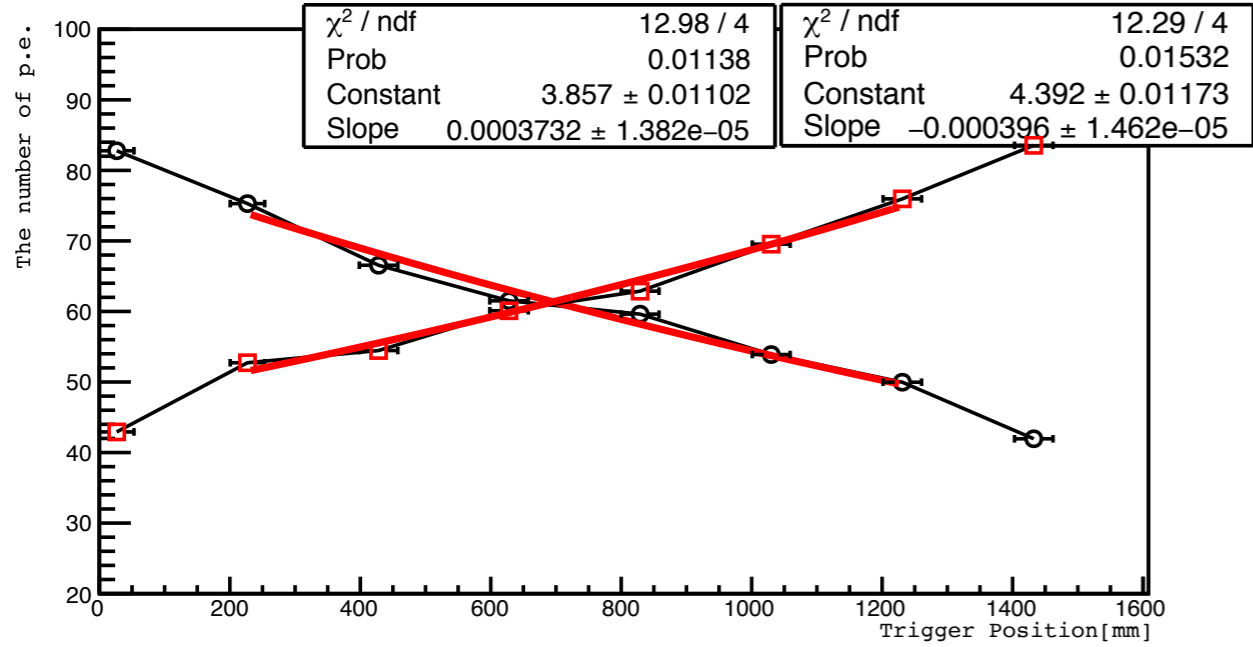
---

$\text{foc\_MPPC}[i] * \text{foc\_Combined}[i] * \text{foc\_All}[i] * \text{attenuation effect}$

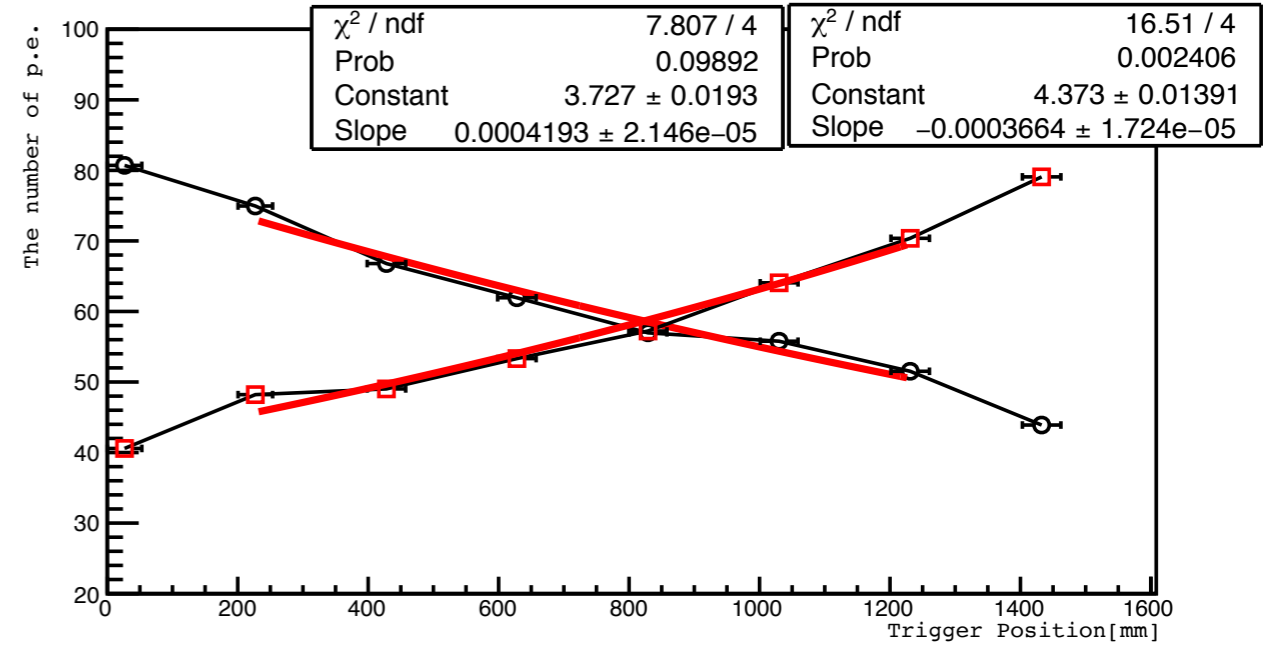
Ch 0		Ch 1		Ch 2		Ch 3	
Ch 4		Ch 5		Ch 6		Ch 7	
Ch 8		Ch 9		Ch 10		Ch 11	
Ch 12		Ch 13		Ch 14		Ch 15	

# DCV2(p.e.)

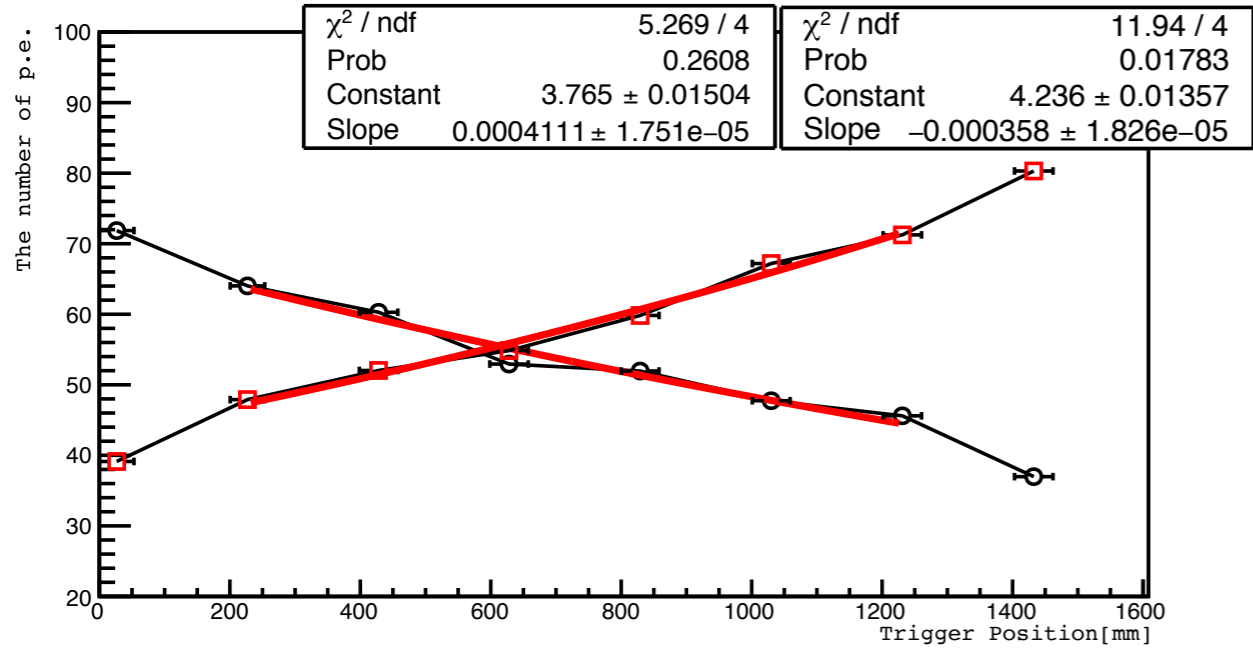
DCV2 Module0



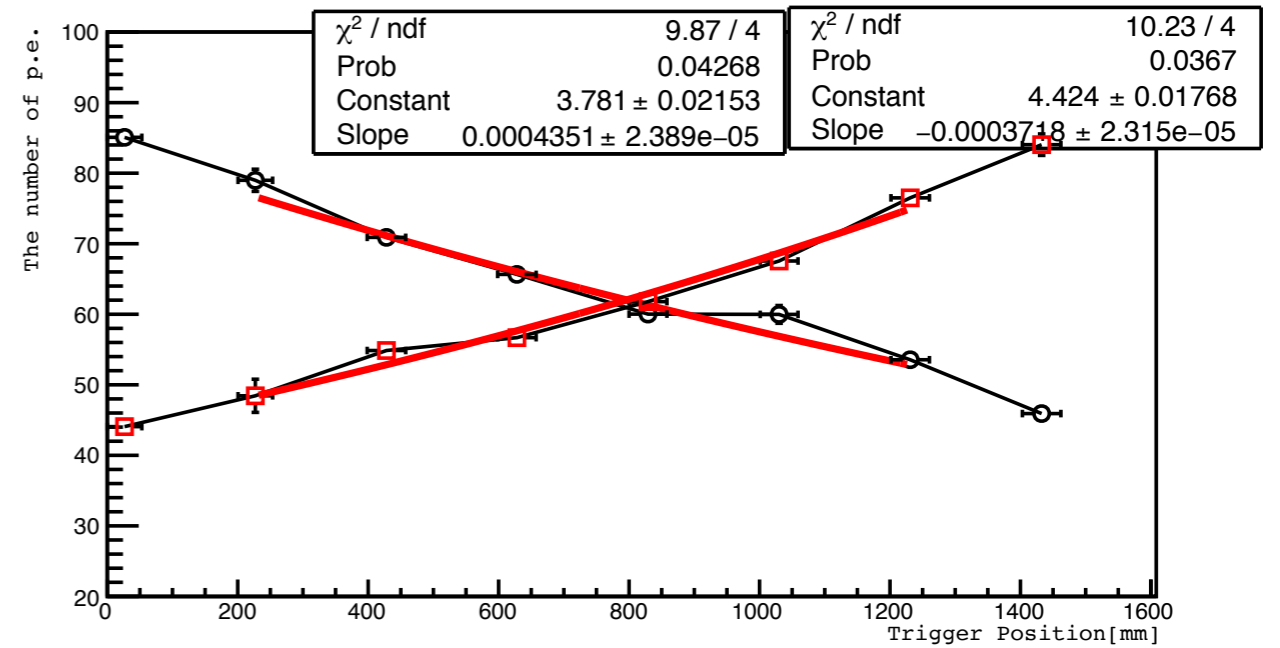
DCV2 Module1



DCV2 Module2



DCV2 Module3



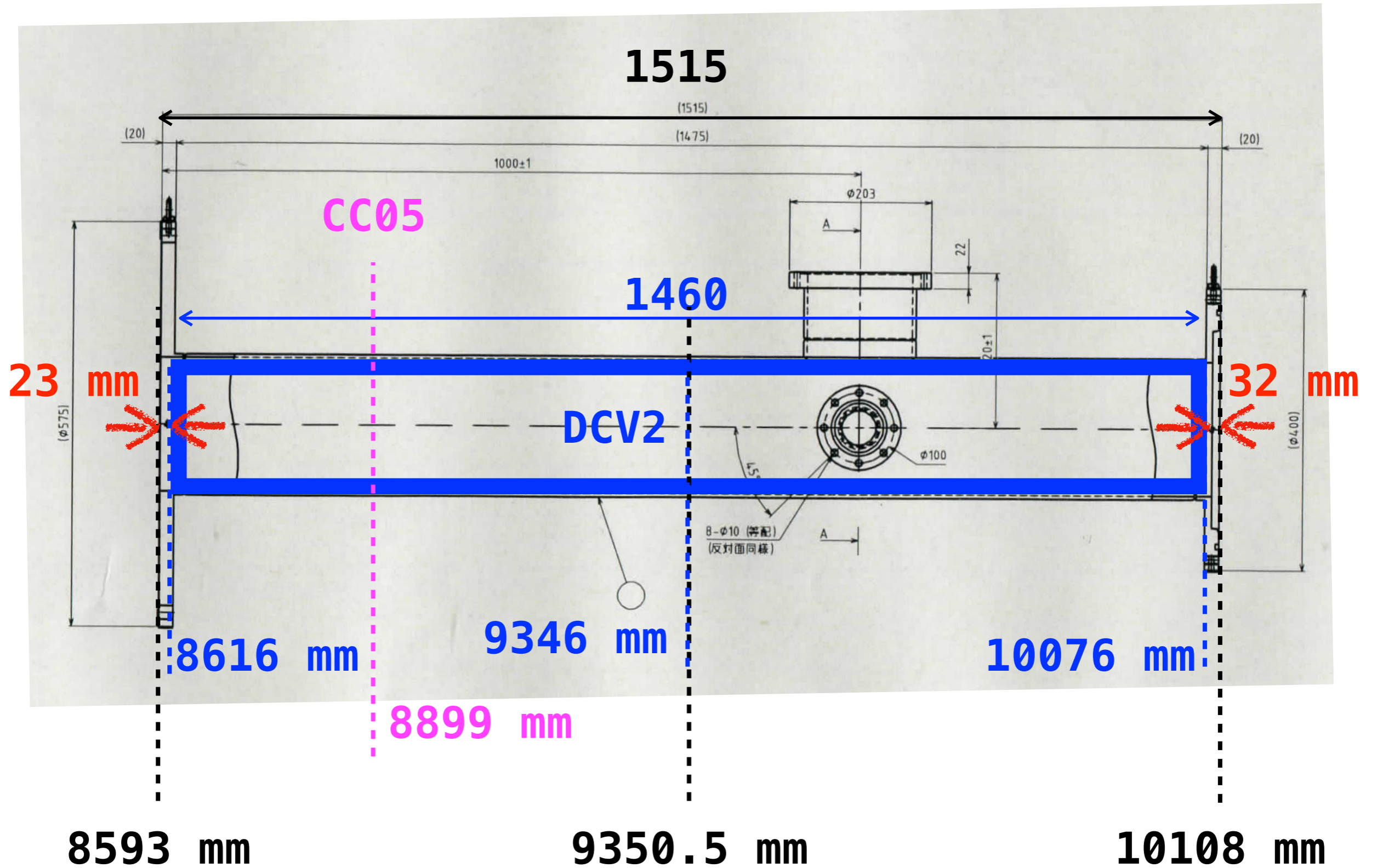
# DCV2

	Mod 0		Mod 1		Mod 2		Mod 3	
	F	R	F	R	F	R	F	R
Const.	3.857	4.392	3.727	4.373	3.765	4.236	3.781	4.424
Slope	3.96 e-04	3.732 e-04	3.664 e-04	4.193 e-04	3.58 e-04	4.111 e-04	3.718 e-04	4.351 e-04

**Average  $1/\lambda = 0.0003914$**



# DCV2 Position



```

float foc_MPPC[32]={1.,1.,1.,1.,1.,1.,1.,1.,
                  1.,1.,1.,1.,1.,1.,1.,1.,
                  1.,1.,1.,1.,
                  4934.,4257.,3627.,3577.,
                  1.,1.,1.,1.,
                  4992.,4968.,3558.,3967.};
float foc_Combined[32]={1.,1.,1.,1.,1.,1.,1.,1.,
                       1.,1.,1.,1.,1.,1.,1.,1.,
                       1.,1.,1.,1.,
                       1.133,1.177,1.201,1.136,
                       1.,1.,1.,1.,
                       1.116,1.037,1.108,1.014};
float foc_All[32]={1.,1.,1.,1.,1.,1.,1.,1.,
                  1.,1.,1.,1.,1.,1.,1.,1.,
                  1.,1.,1.,1.,
                  1.618.,1.639.,1.618,1.639,
                  1.,1.,1.,1.,
                  1.624,1.763,1.624,1.763};

```



Calibration factor for energy =

---

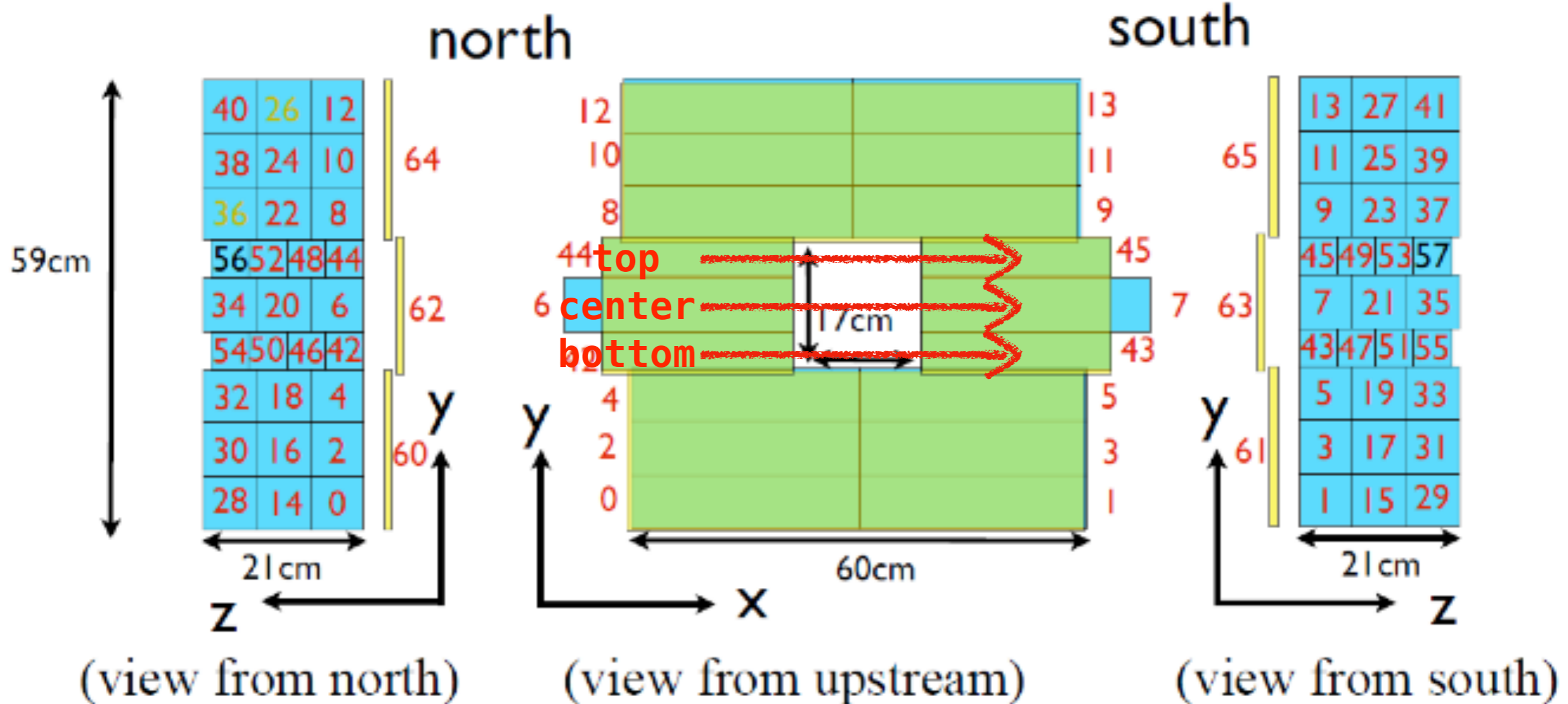
$\text{foc\_MPPC}[i] * \text{foc\_Combined}[i] * \text{foc\_All}[i] *$   
 attenuation effect

Ch 16		Ch 17		Ch 18		Ch 19	
Ch 20		Ch 21		Ch 22		Ch 23	
Ch 24		Ch 25		Ch 26		Ch 27	
Ch 28		Ch 29		Ch 30		Ch 31	

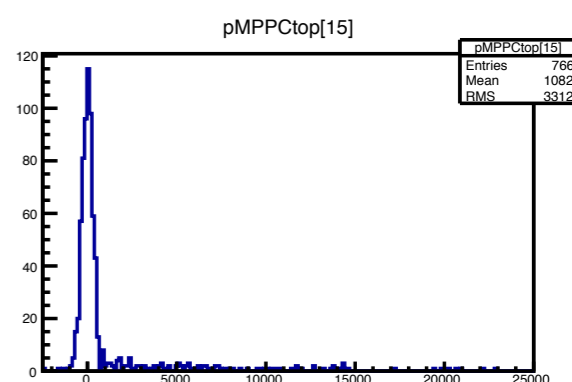
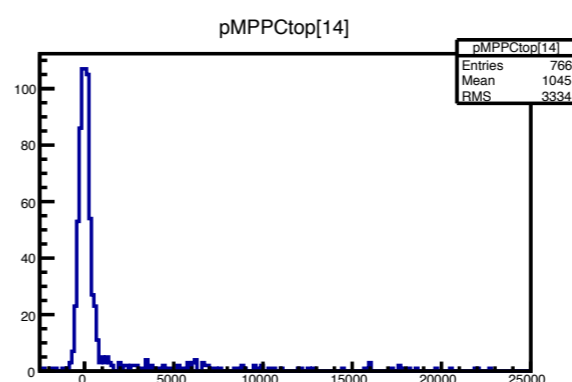
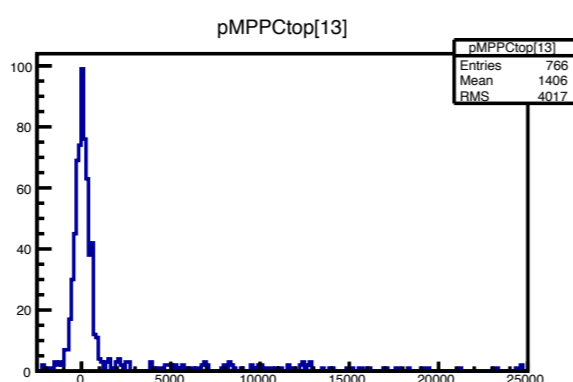
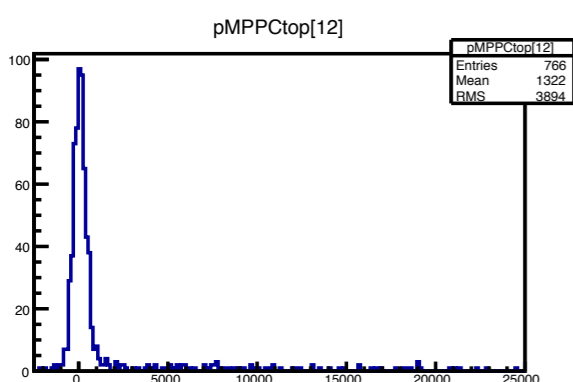
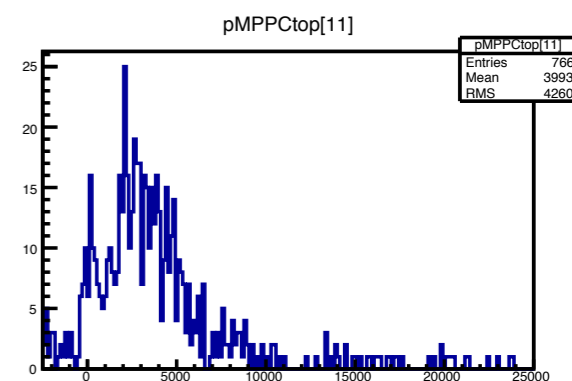
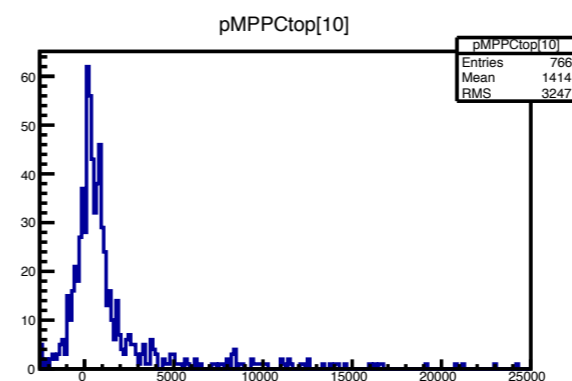
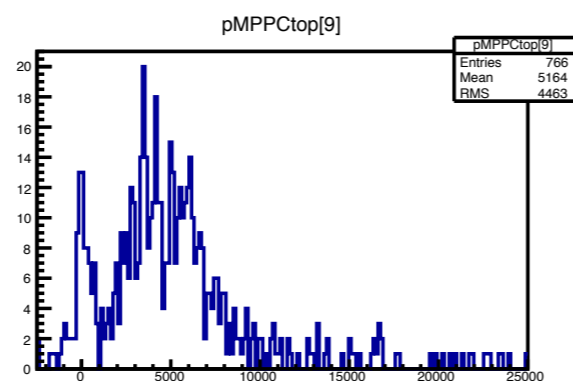
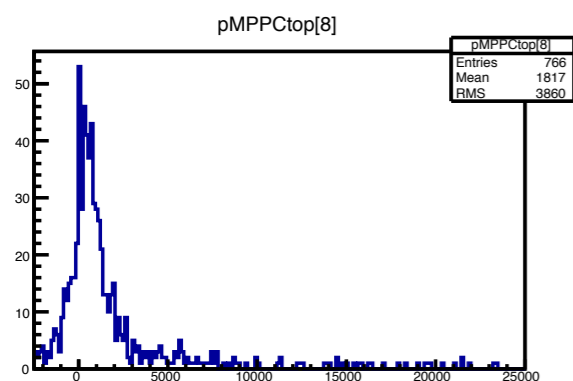
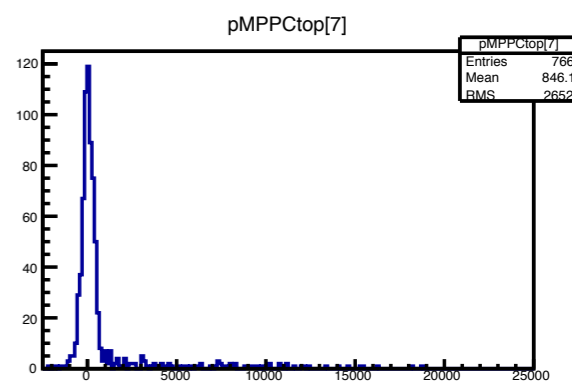
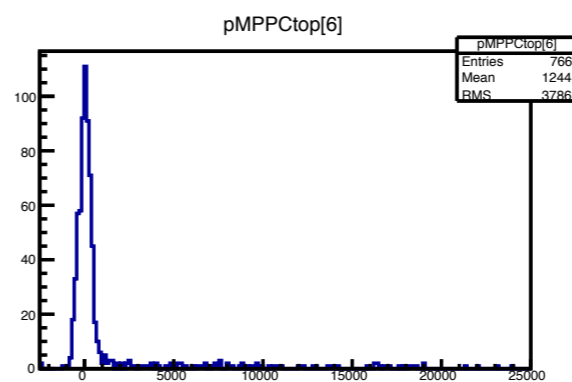
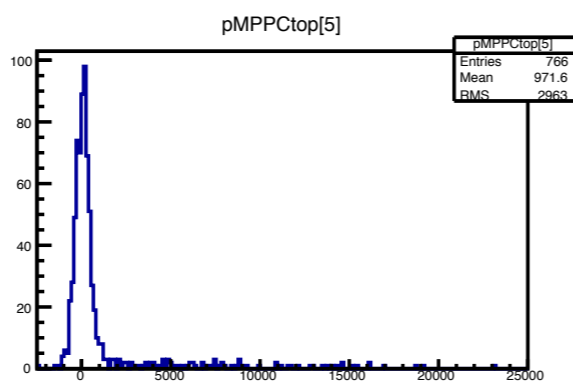
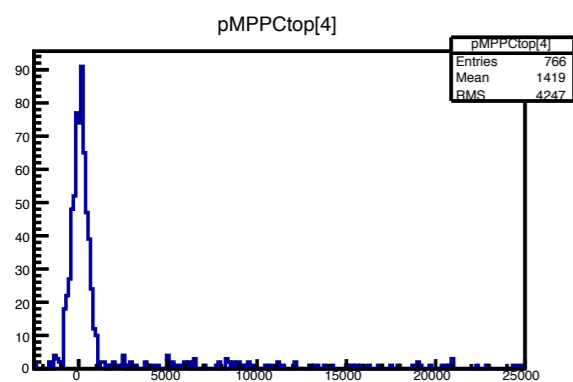
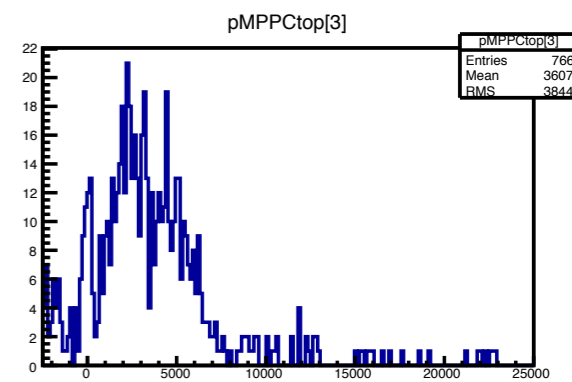
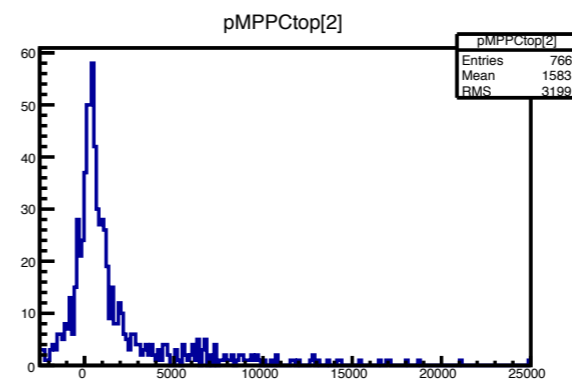
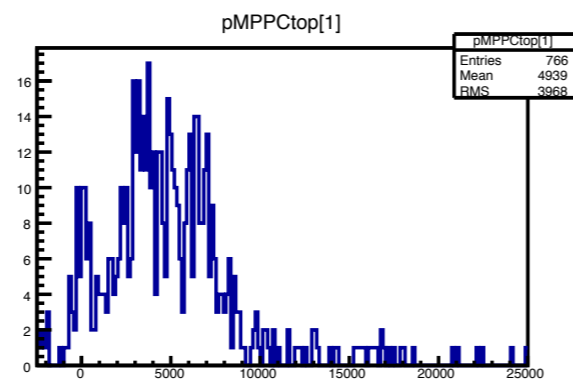
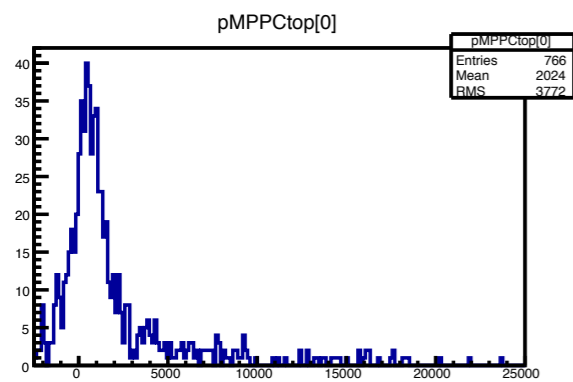
# CC04

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

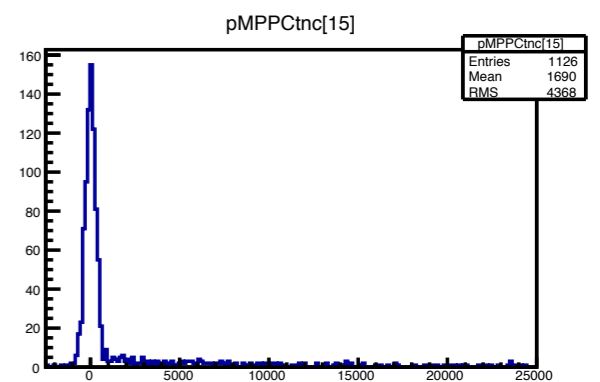
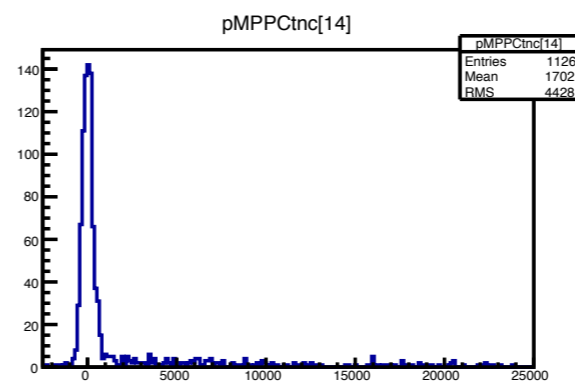
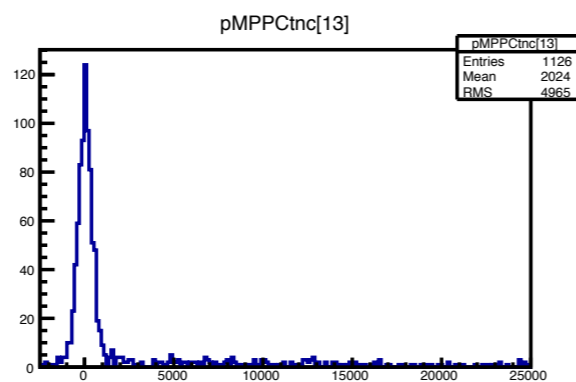
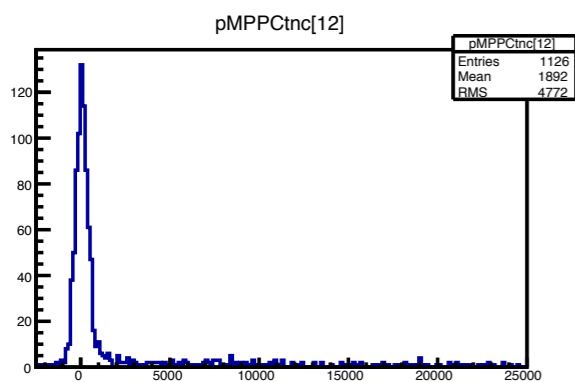
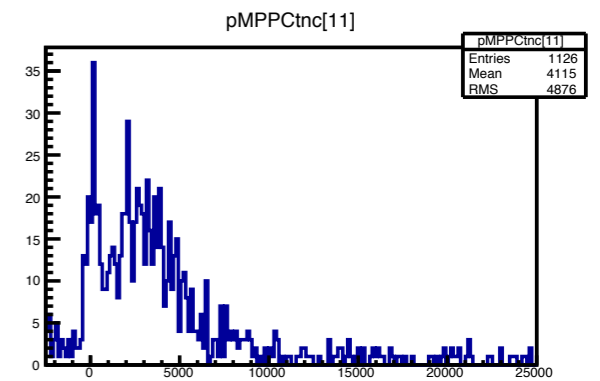
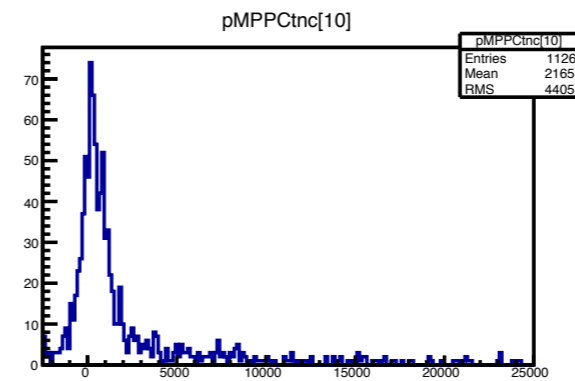
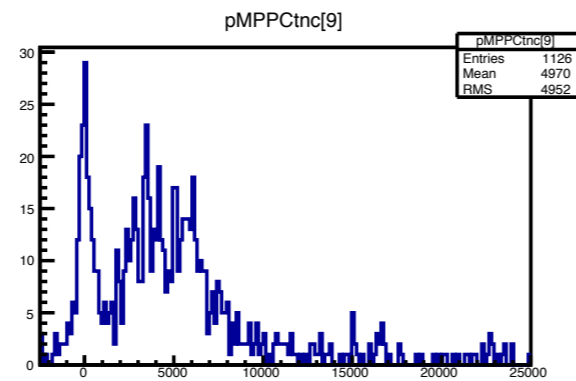
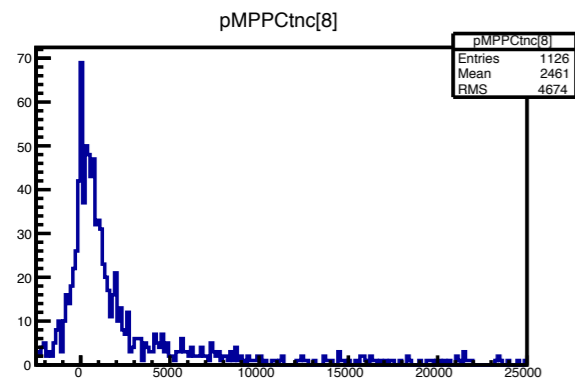
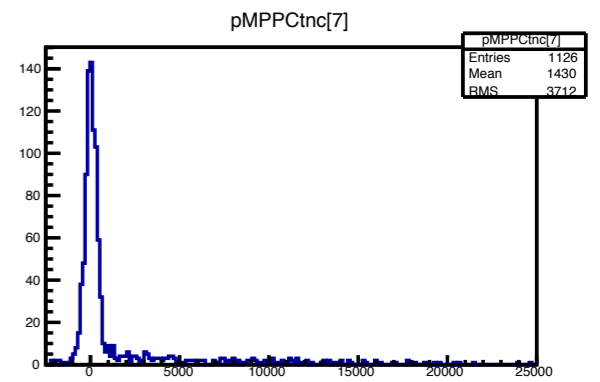
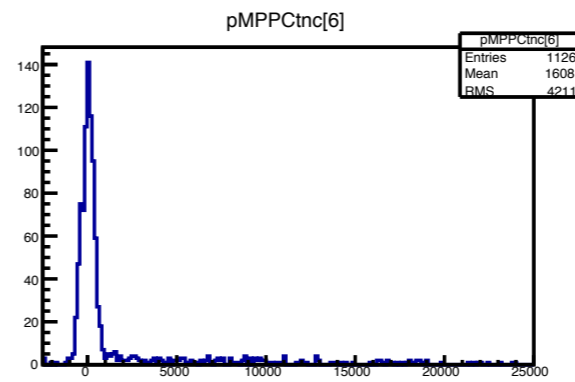
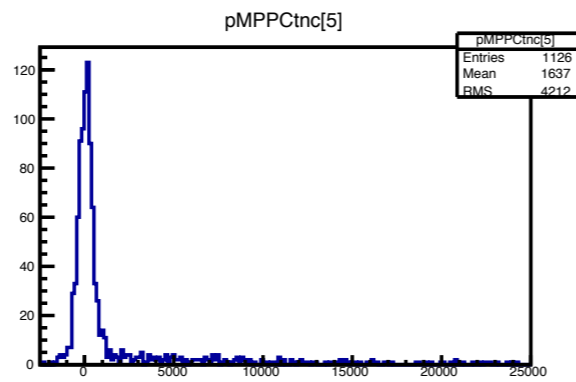
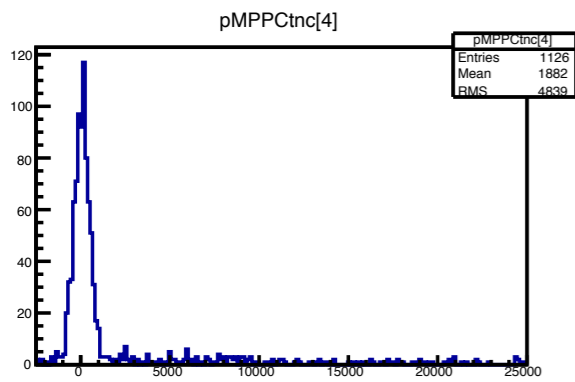
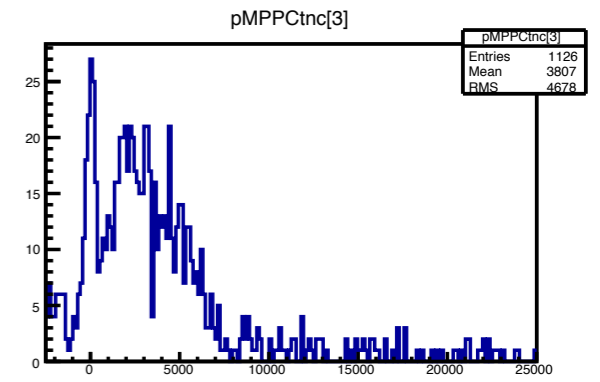
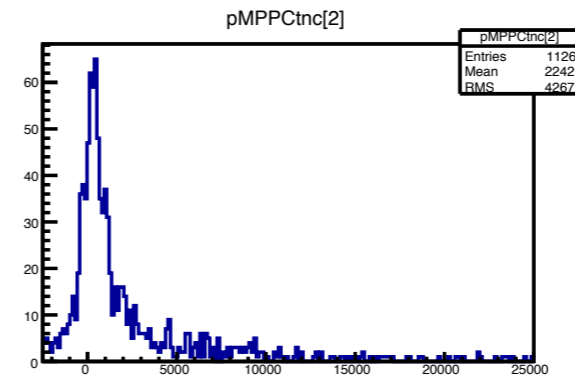
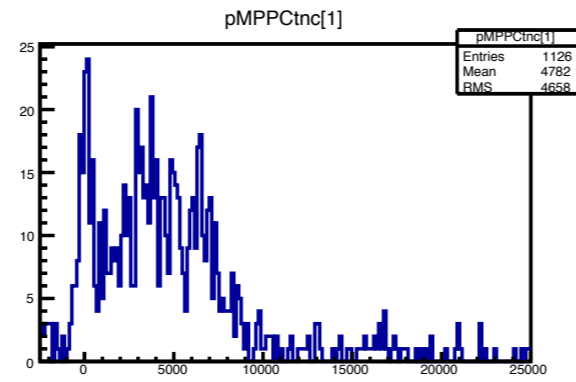
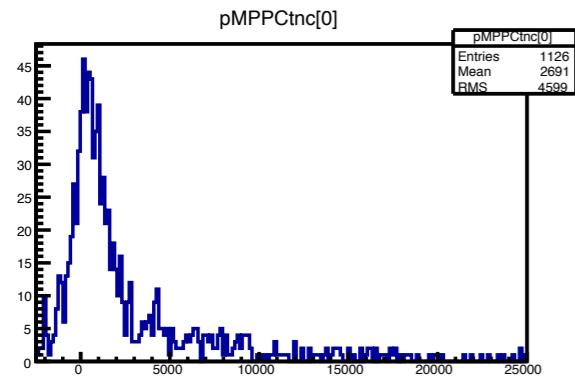
- 42 CsI crystals of 70×70×300mm,  
 16 CsI crystals of 50×50×250mm,  
 4 scintillator of thickness 10mm



# DCV1 mod02 only top trigger



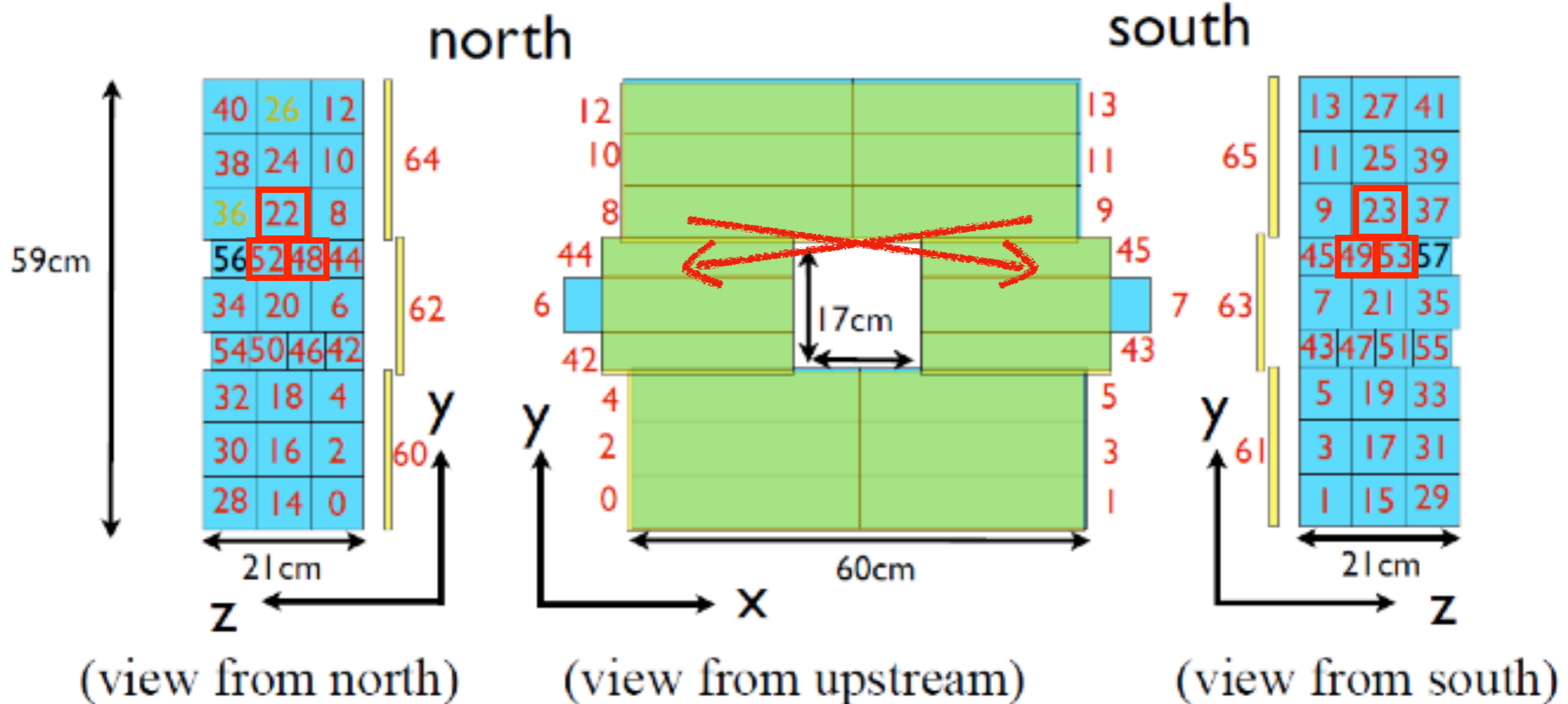
# DCV1 mod02 top & center trigger



# 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



```
else if( CC04Ene[22] > cc04Ethre && CC04Ene[49] > cc04Ethre_low
        && CC04Ene[23] < cc04Ethre && CC04Ene[21] < cc04Ethre){ track = 90; }

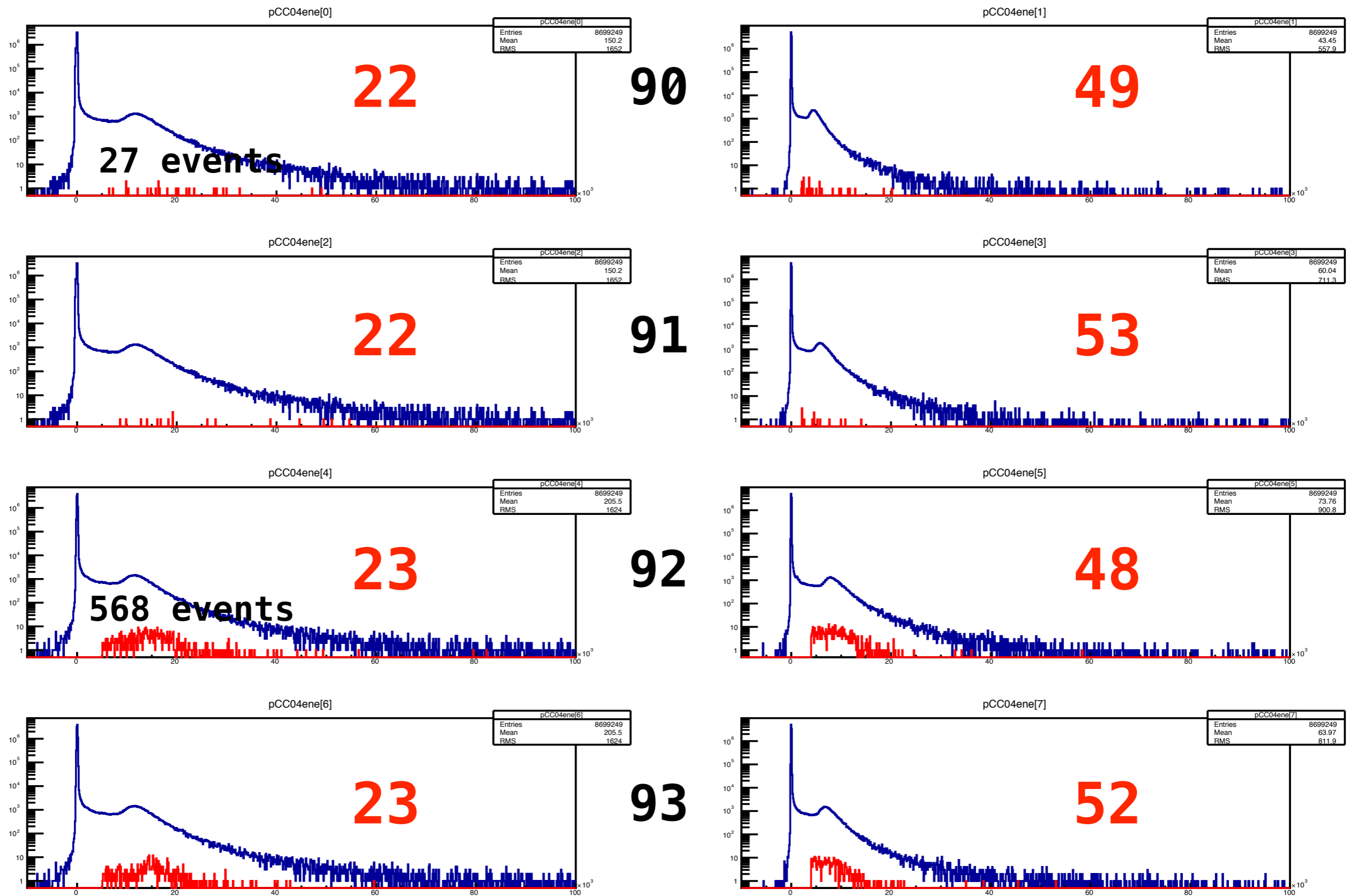
else if( CC04Ene[22] > cc04Ethre && CC04Ene[53] > cc04Ethre_low
        && CC04Ene[23] < cc04Ethre && CC04Ene[21] < cc04Ethre){ track = 91; }

else if( CC04Ene[23] > cc04Ethre && CC04Ene[48] > cc04Ethre_low2
        && CC04Ene[22] < cc04Ethre && CC04Ene[20] < cc04Ethre){ track = 92; }

else if( CC04Ene[23] > cc04Ethre && CC04Ene[52] > cc04Ethre_low2
        && CC04Ene[22] < cc04Ethre && CC04Ene[20] < cc04Ethre){ track = 93; }
```



# CC04Ene distribution



# DCV1 mod02 top trigger(include track 90~93)

