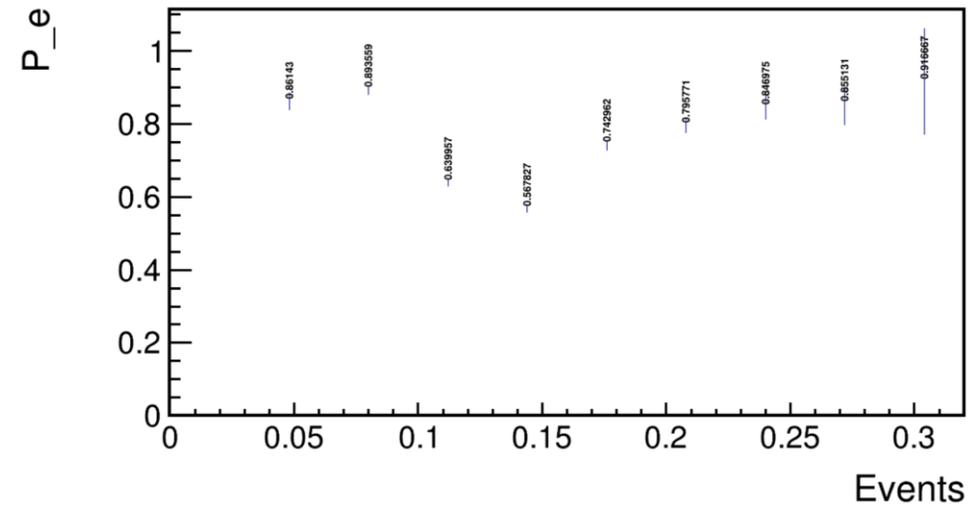
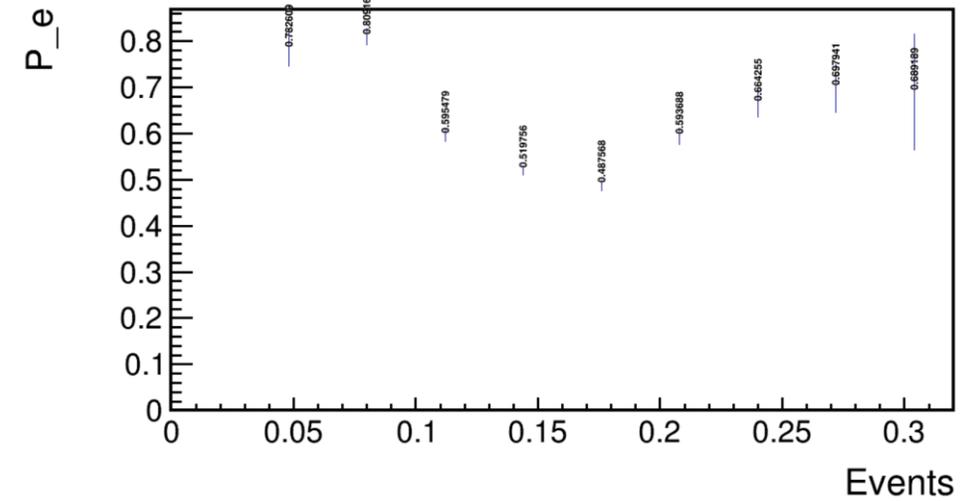
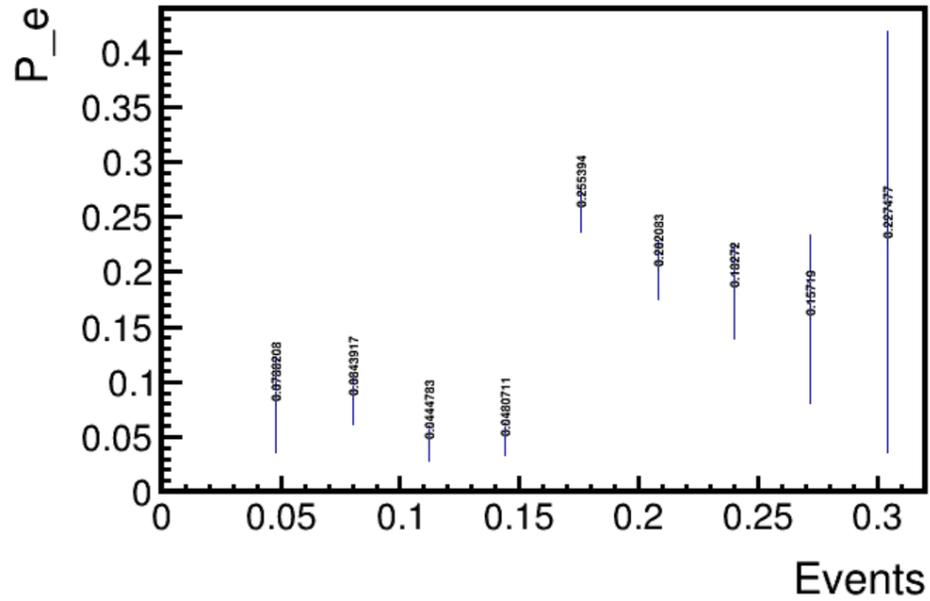
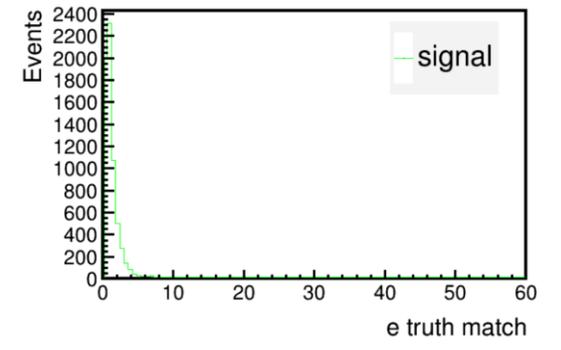
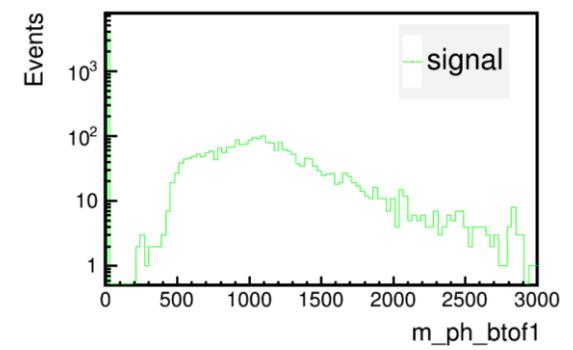
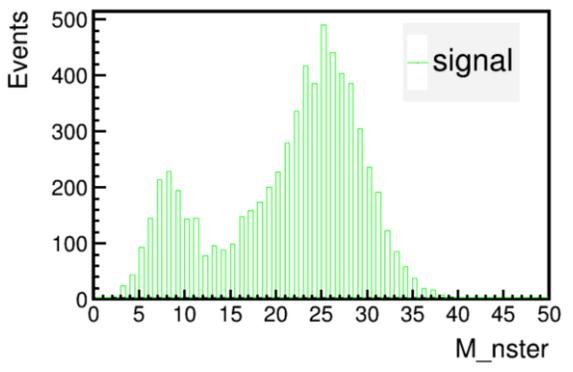
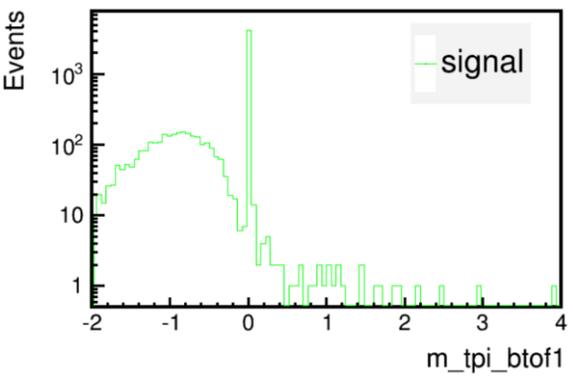
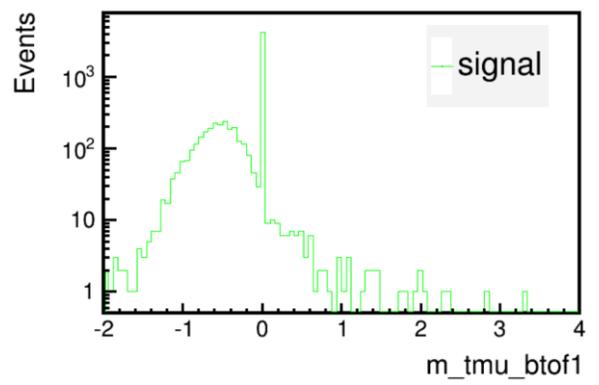
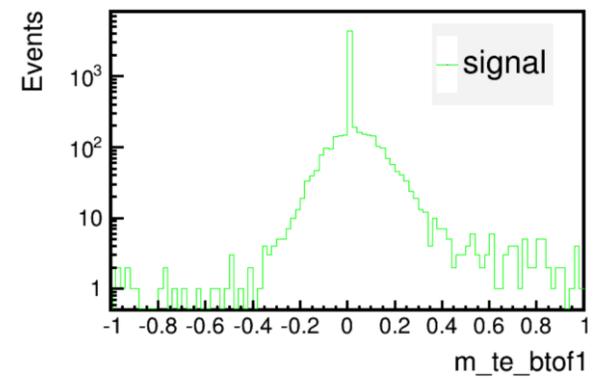
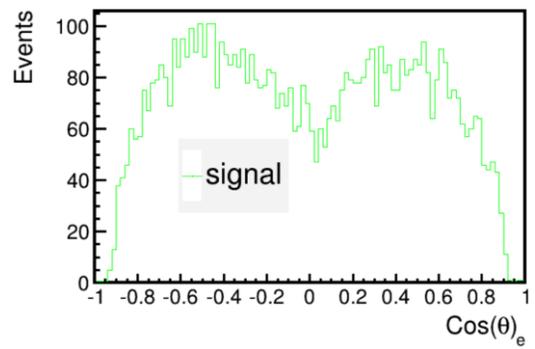
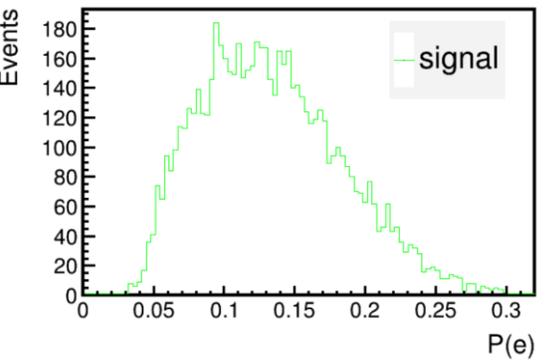
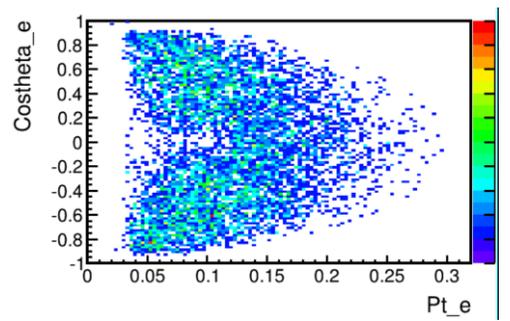
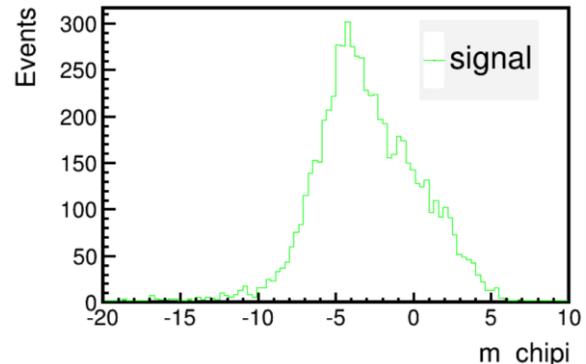
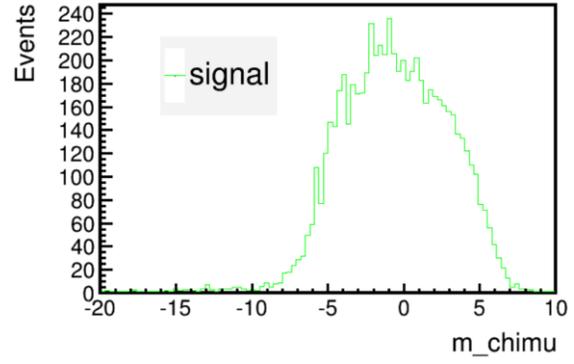
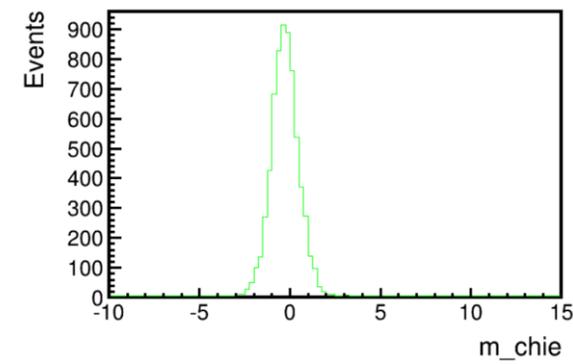


```
if(sqrt(p4electronpointhx*p4electronpointhx+p4electronpointhy*p4electronpointhy+p4electronpointhz*p4electronpointhz)>10000 || sqrt(p4electronpointhx*p4electronpointhx+p4electronpointhy*p4electronpointhy+p4electronpointhz*p4electronpointhz)<5) continue;
```

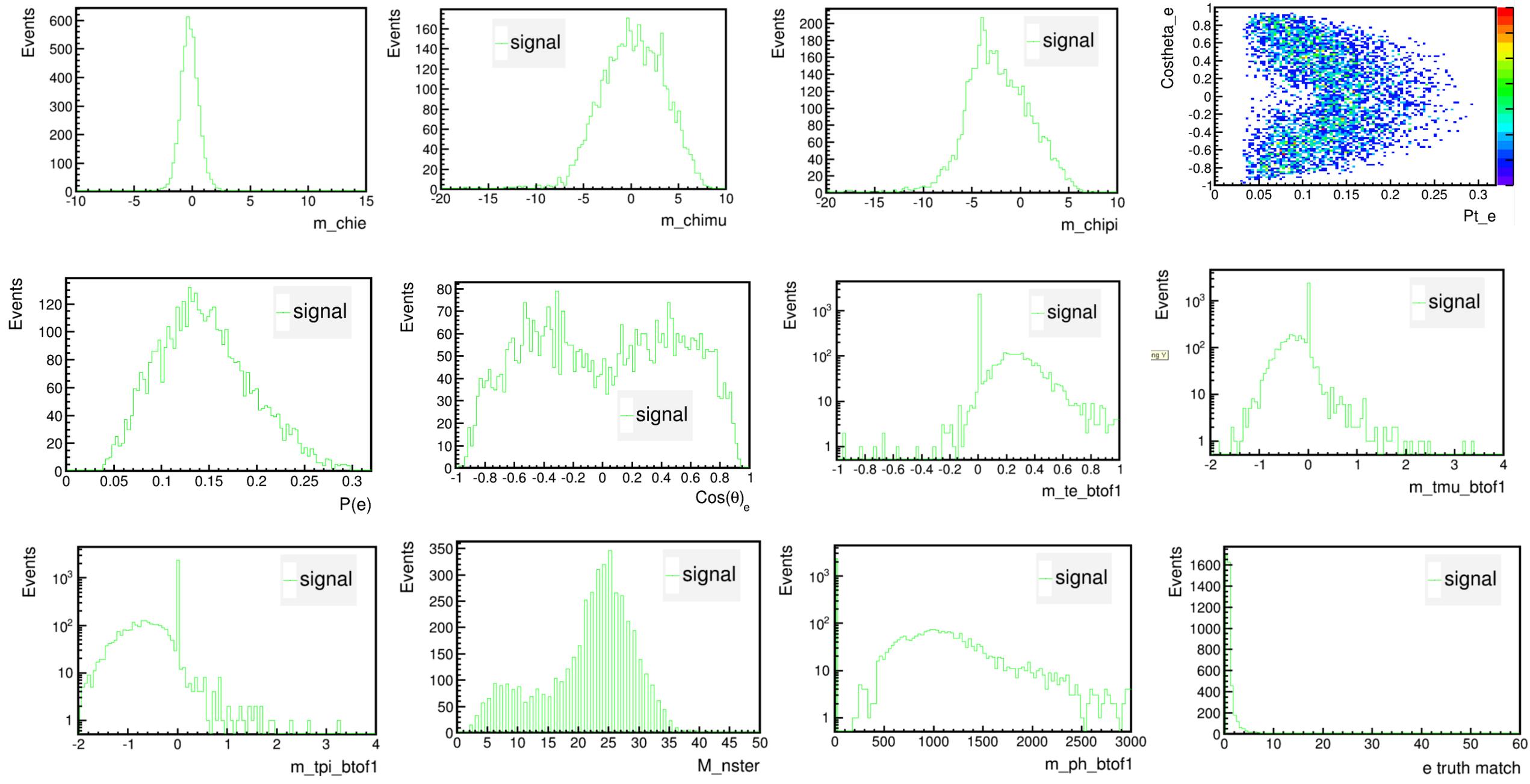
```
if(sqrt(p4electronpointhx*p4electronpointhx+p4electronpointhy*p4electronpointhy+p4electronpointhz*p4electronpointhz)<1&&sqrt(p4electronpointhx*p4electronpointhx+p4electronpointhy*p4electronpointhy+p4electronpointhz*p4electronpointhz)>0){
```



```
if(sqrt(p4electronpointx*p4electronpointx+p4electronpointy*p4electronpointy+p4electronpointz*p4electronpointz)>1) continue;
```



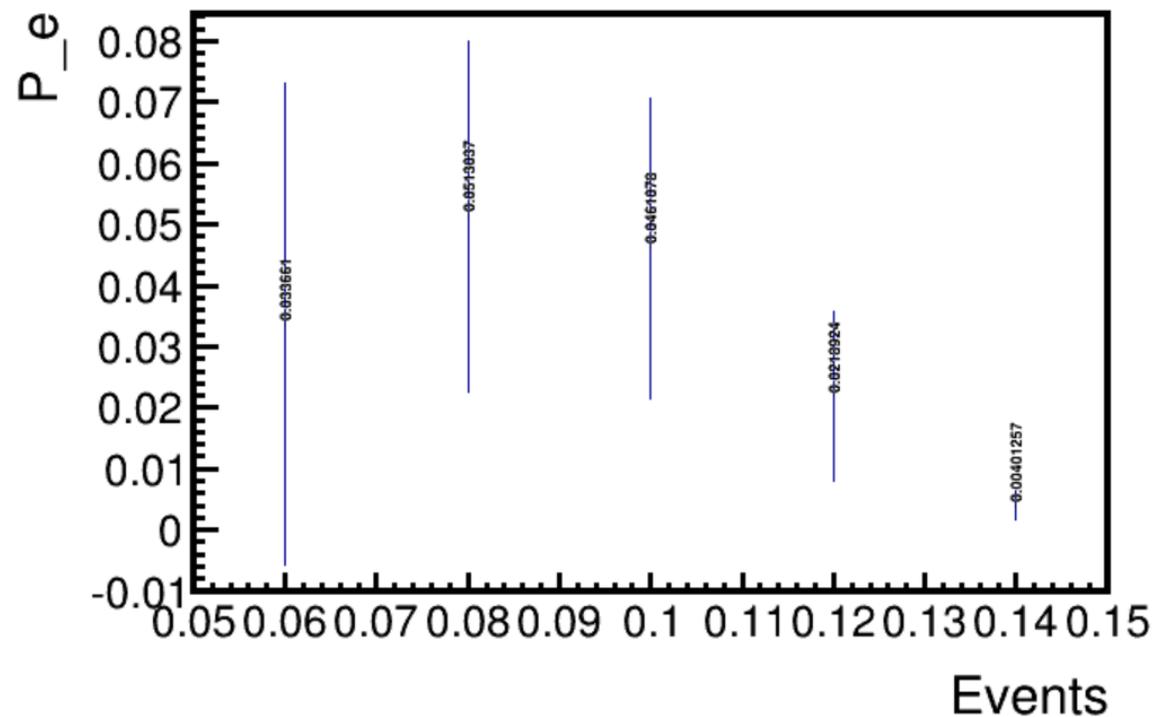
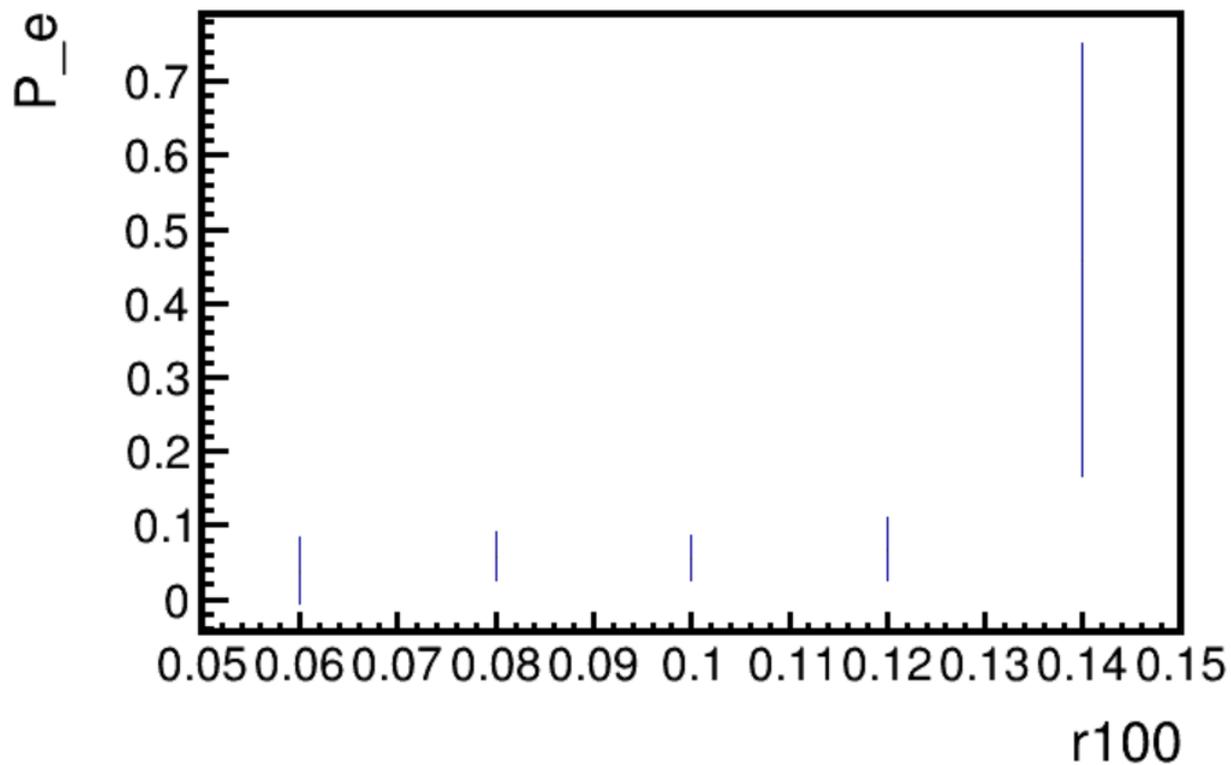
```
if(sqrt(p4electronpointx*p4electronpointx+p4electronpointy*p4electronpointy+p4electronpointz*p4electronpointz)>100 || sqrt(p4electronpointx*p4electronpointx+p4electronpointy*p4electronpointy+p4electronpointz*p4electronpointz)<5) continue;
```



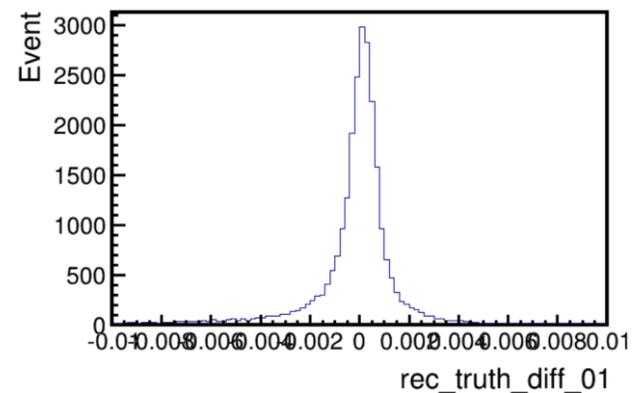
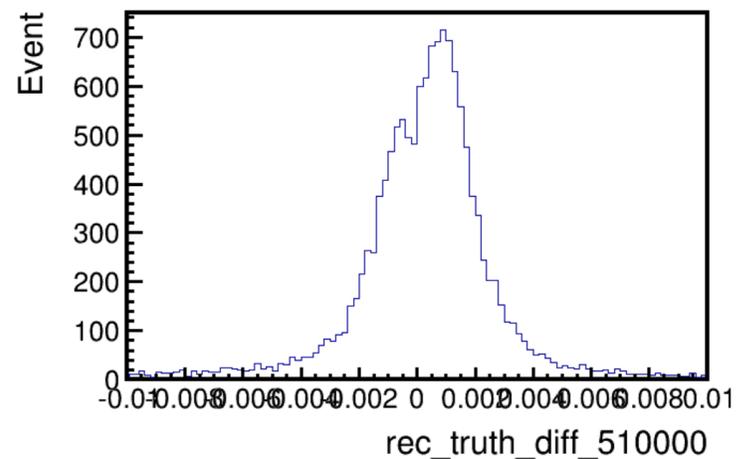
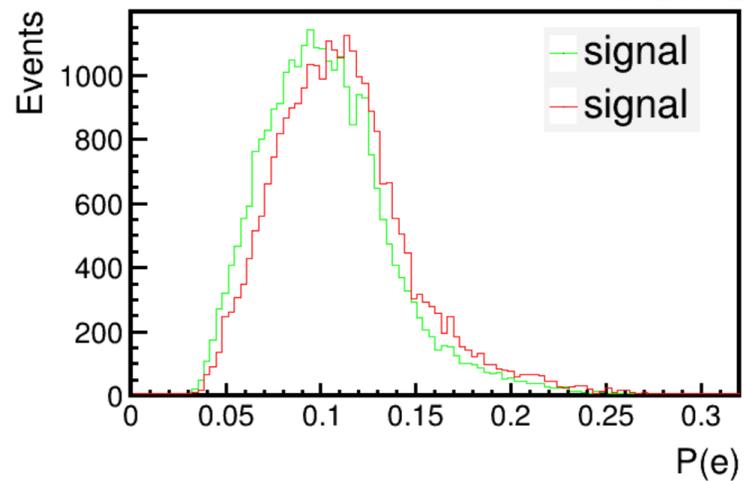
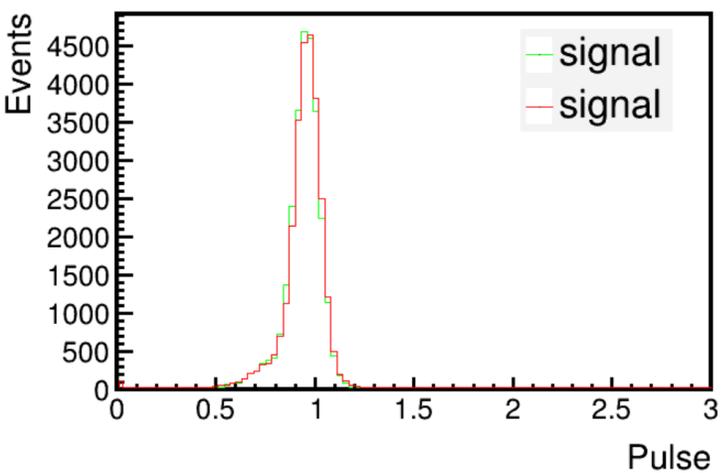
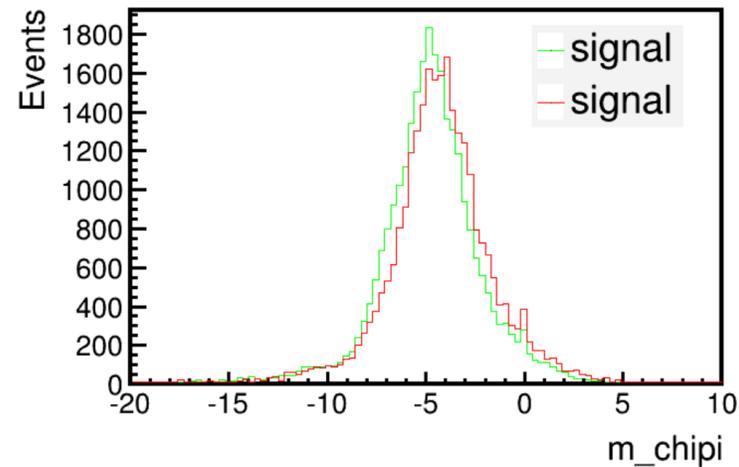
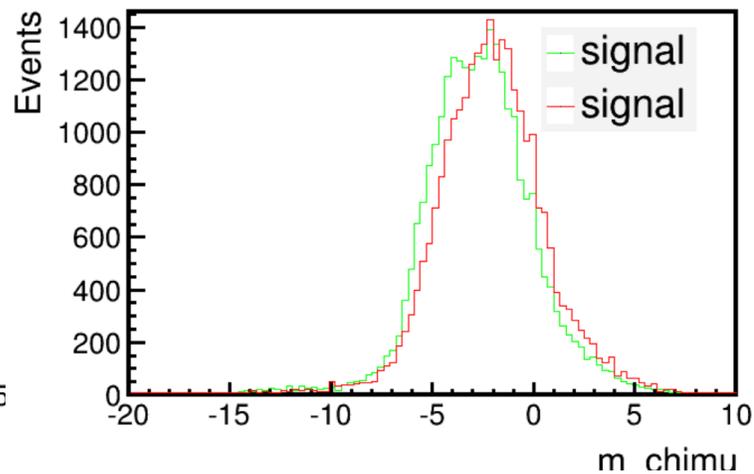
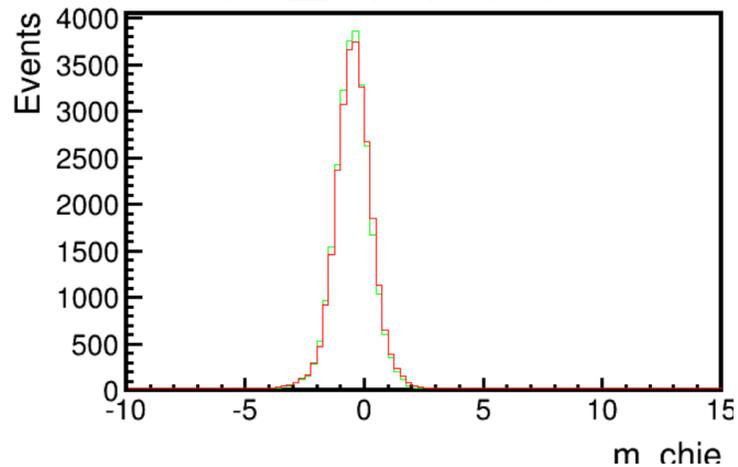
# 不同decay length下的tof notof比例

```
τ=500000  
nsig=213436  
我的图图呢?  
notof_510000= 15338  
tof_510000= 13389  
notof_510000_BDTG= 7157  
tof_510000_BDTG= 8986  
notof_01= 27720  
tof_01= 16091  
notof_01_BDTG= 15622  
tof_01_BDTG= 14698  
root [1] █
```

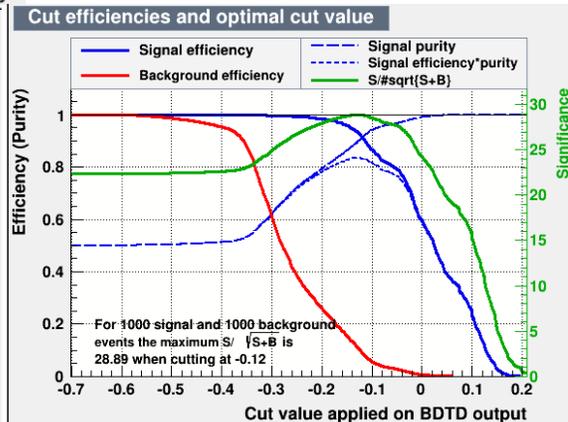
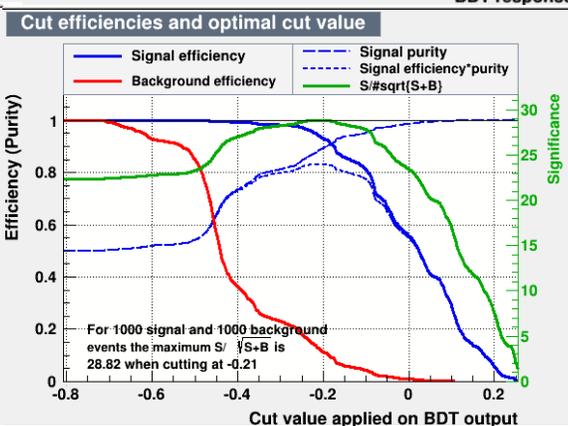
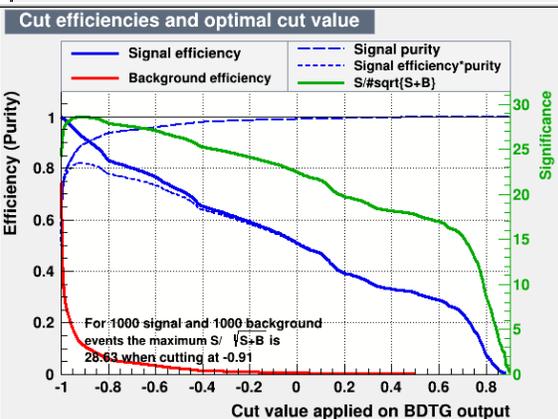
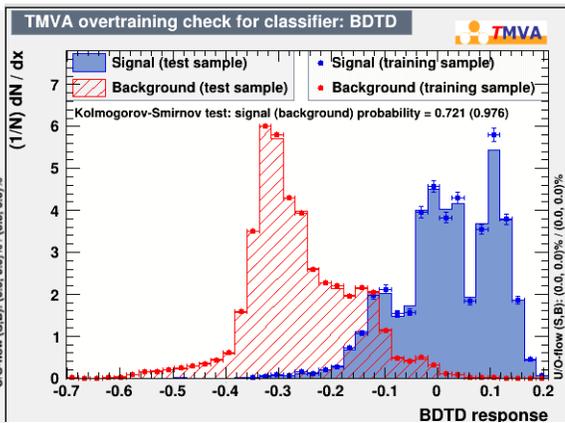
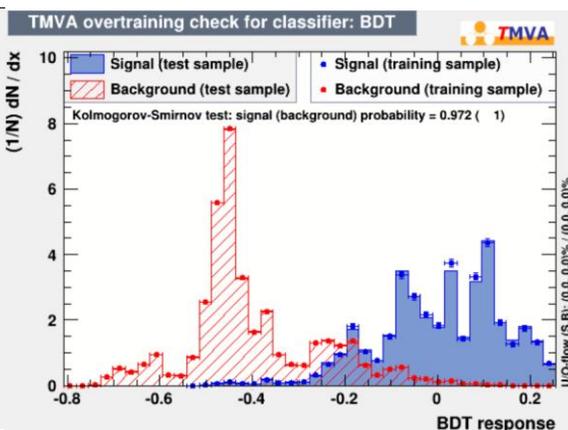
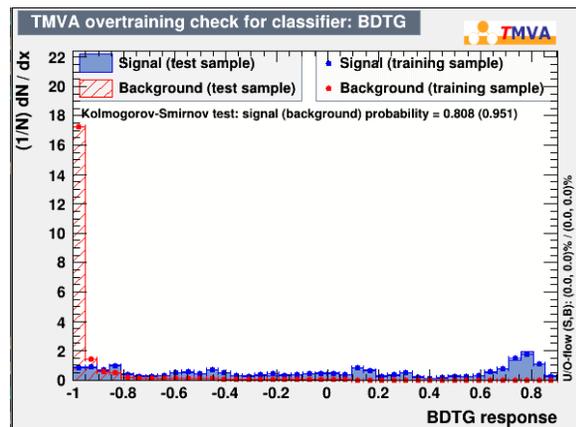
这里我们直接先把tof信息剔除，只要没有tof信息事例进行训练



# 还是看看基本变量有什么区别吧

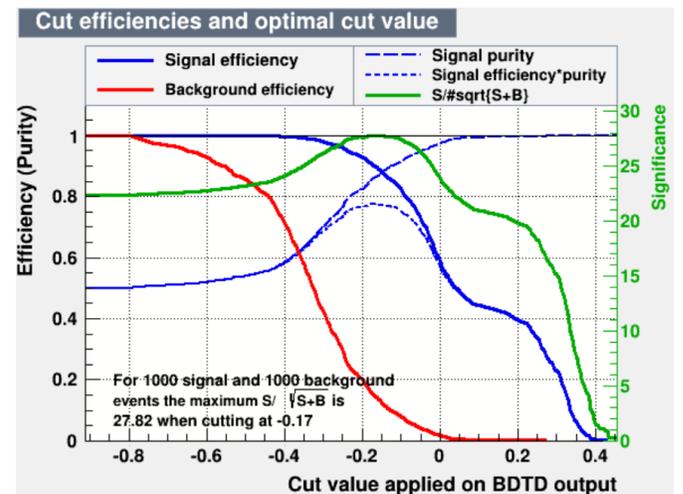
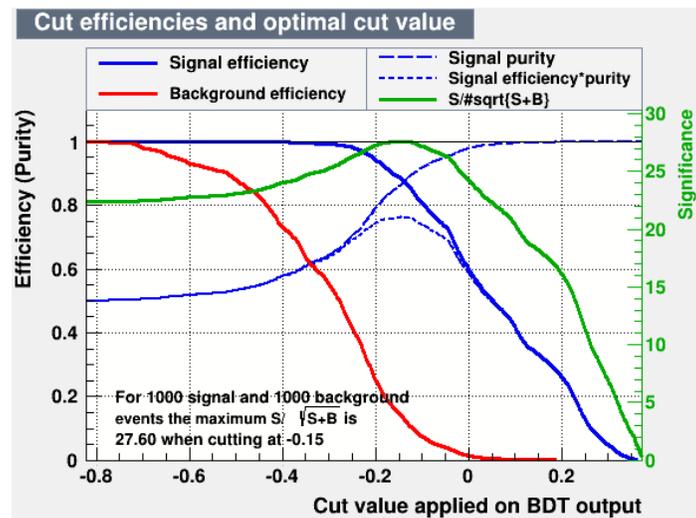
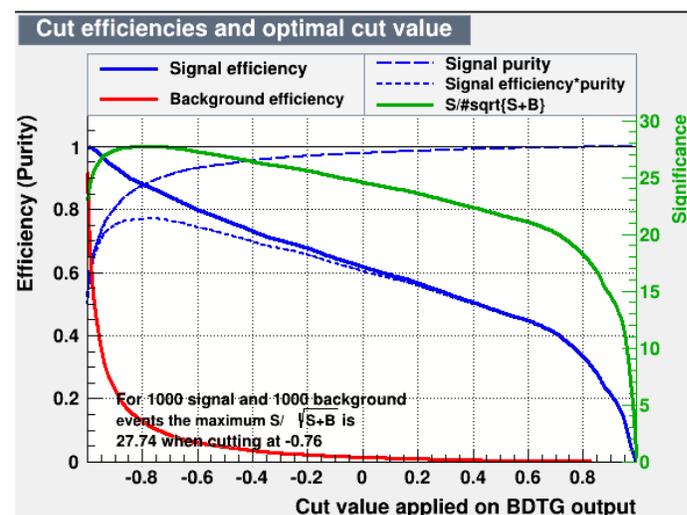
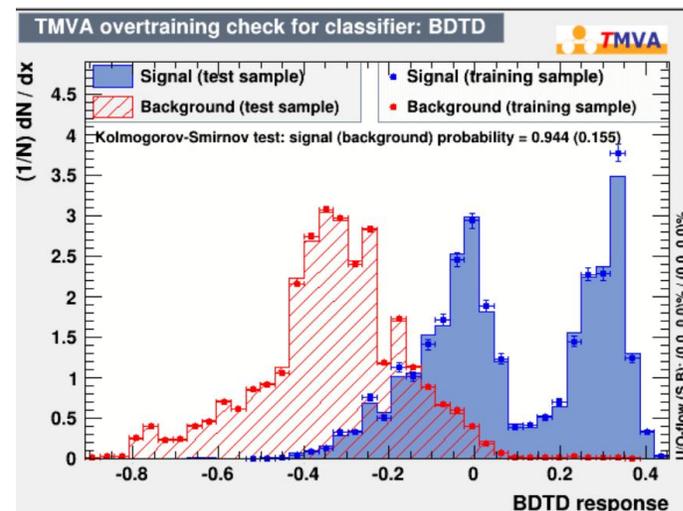
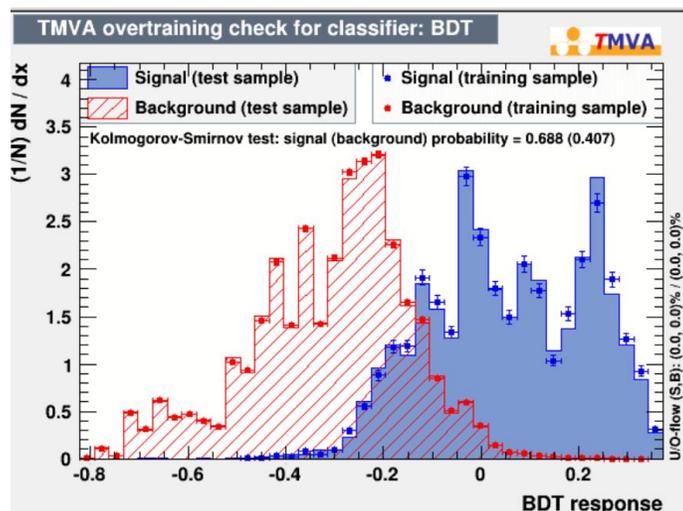
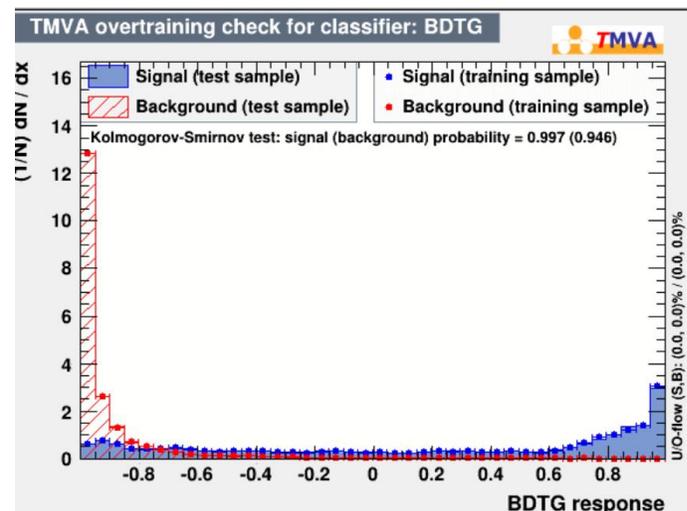


# 现在检查一下边缘事例对bdt的影响， 下面是没有去除边缘事例的

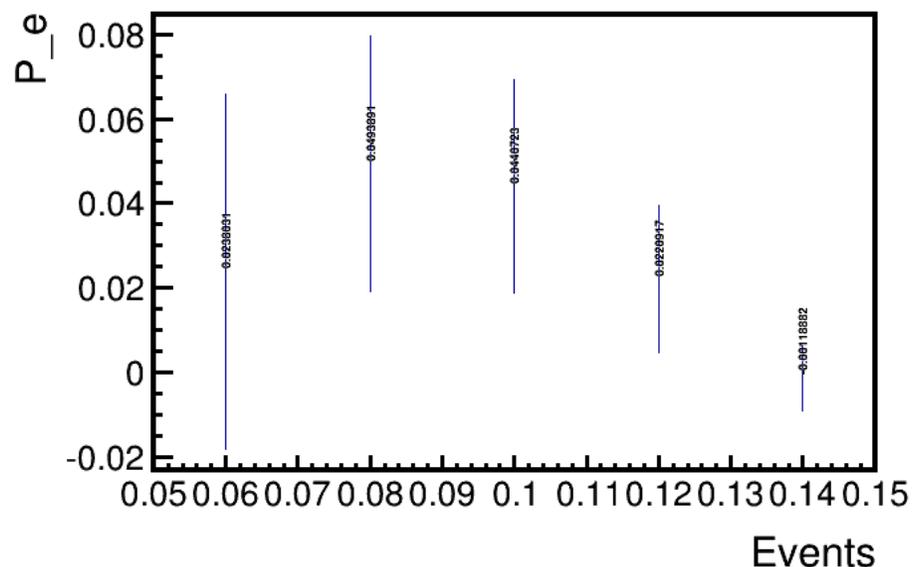
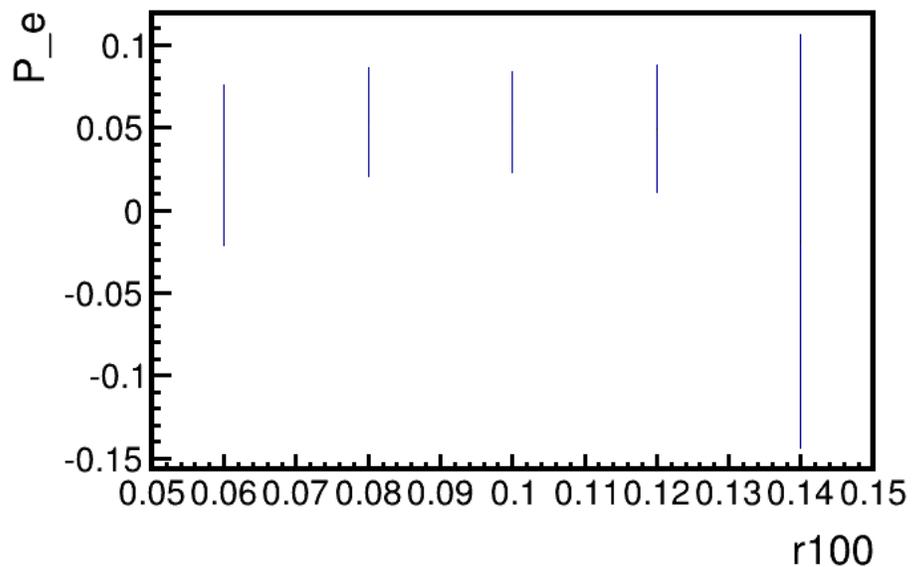


Classifier	( #signal, #backgr.)	Optimal-cut	$S/\sqrt{S+B}$	NSig	NBkg	EffSig	EffBkg
BDTG:	( 1000, 1000)	-0.9140	28.6258	924.5016	118.5374	0.9245	0.1185
BDT:	( 1000, 1000)	-0.2063	28.821	935.368	117.9171	0.9354	0.1179
BDTB:	( 1000, 1000)	-1.0000	22.3607	1000	1000	1	1
BDTD:	( 1000, 1000)	-0.1234	28.8942	924.1236	98.78796	0.9241	0.09879

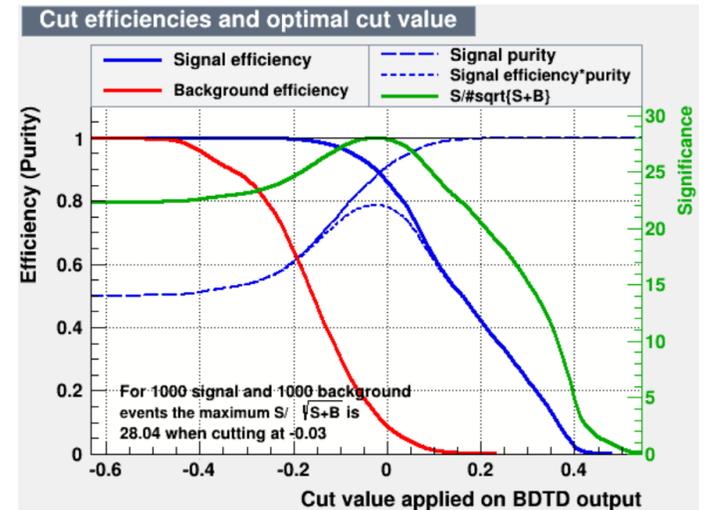
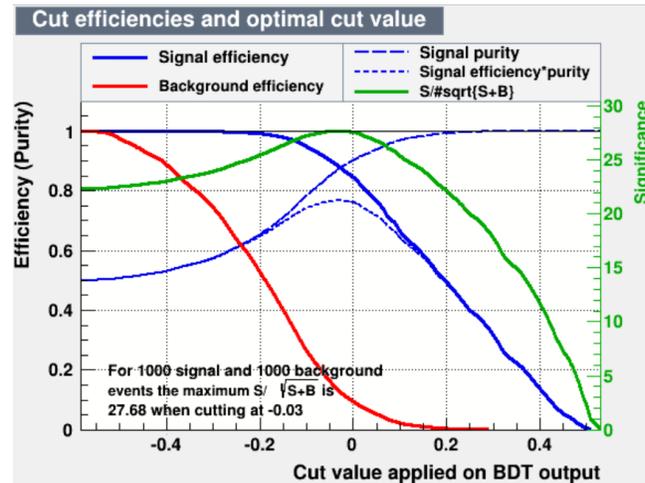
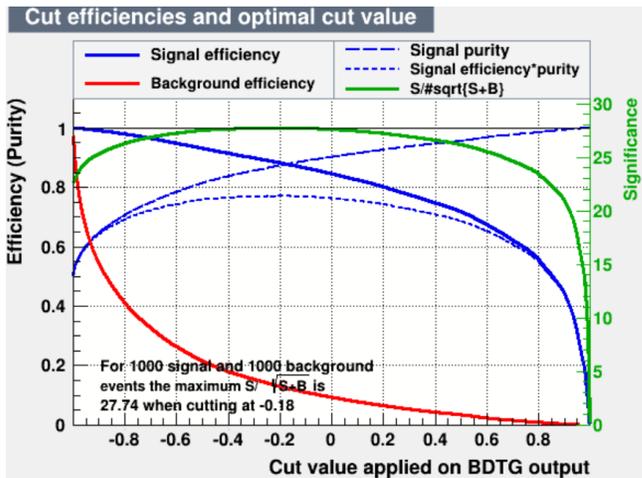
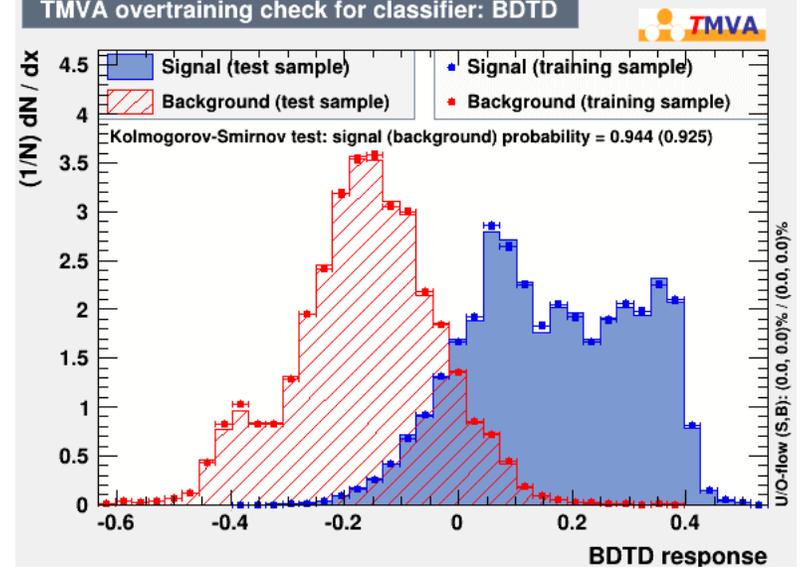
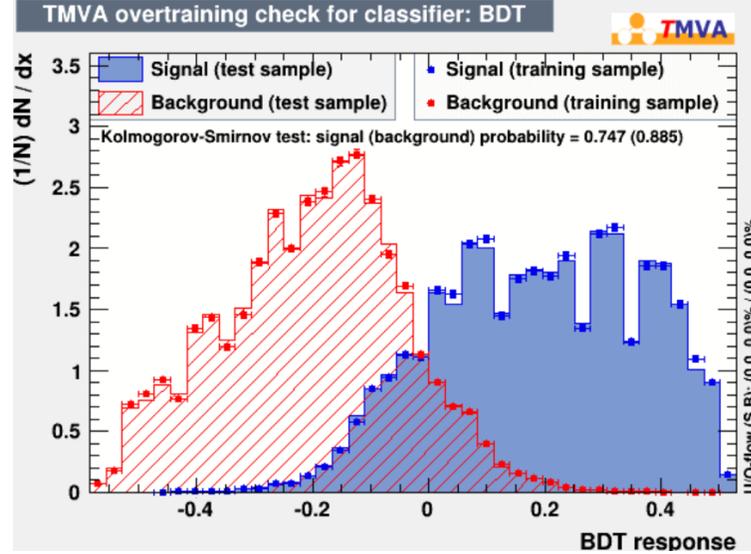
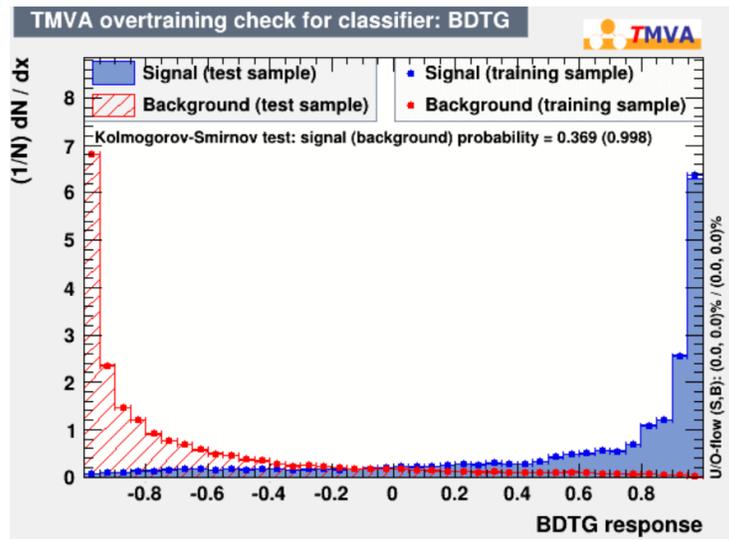
# 下面是去除的边缘事例的



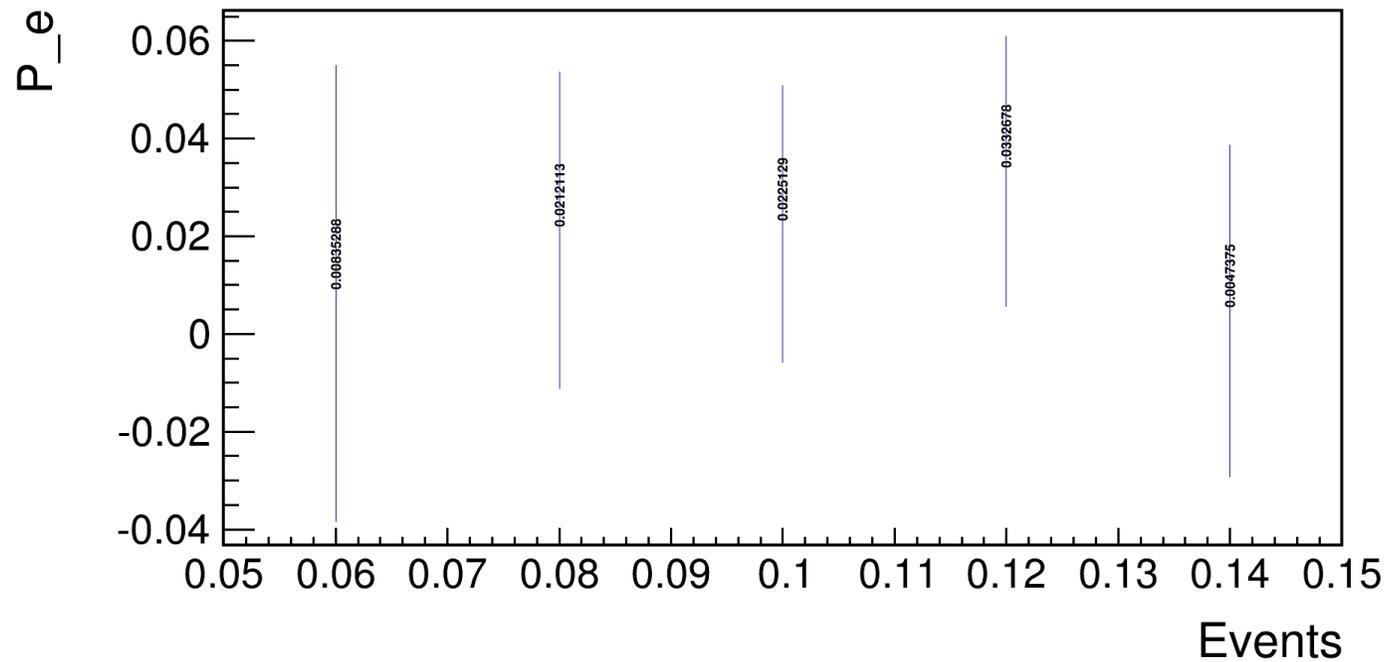
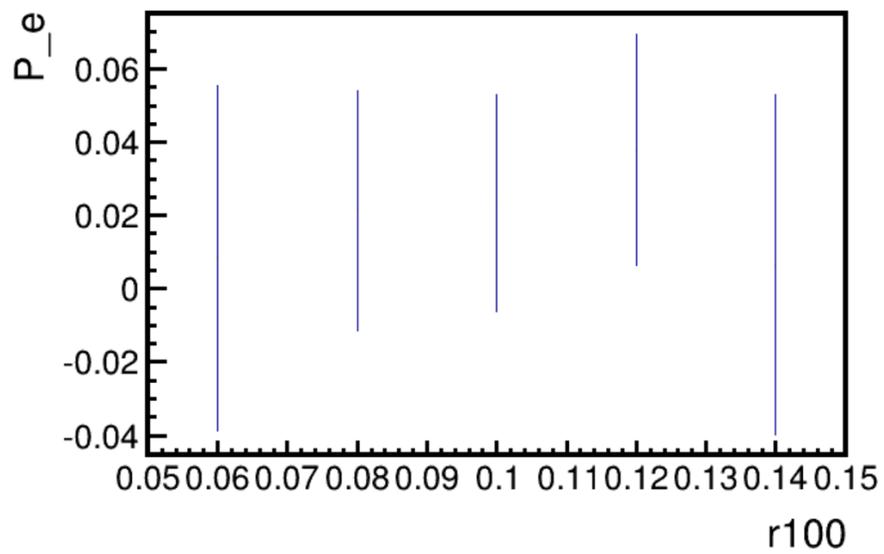
用这些去除边缘事例的训练结果再看，发现还是没什么作用



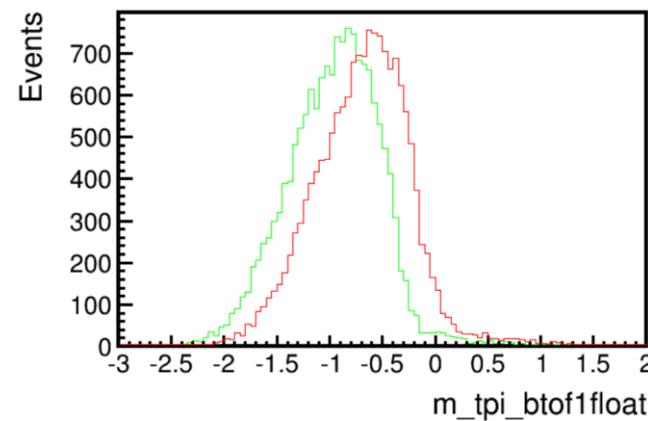
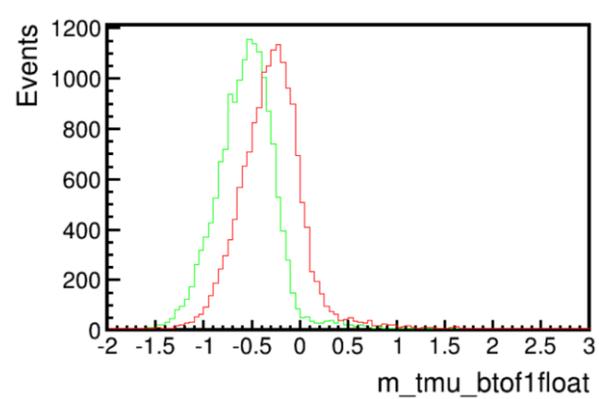
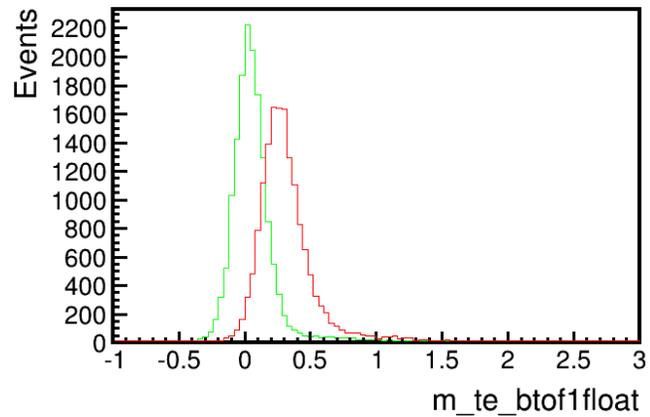
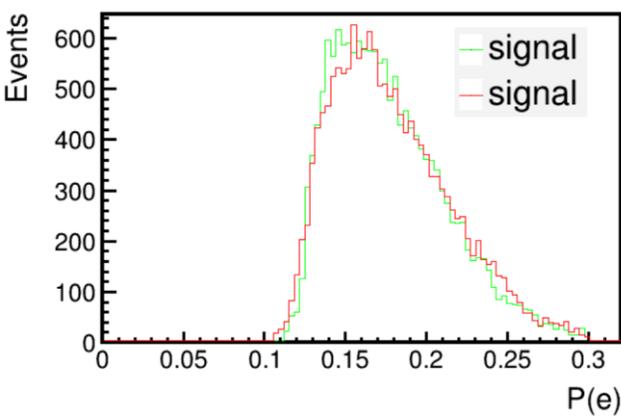
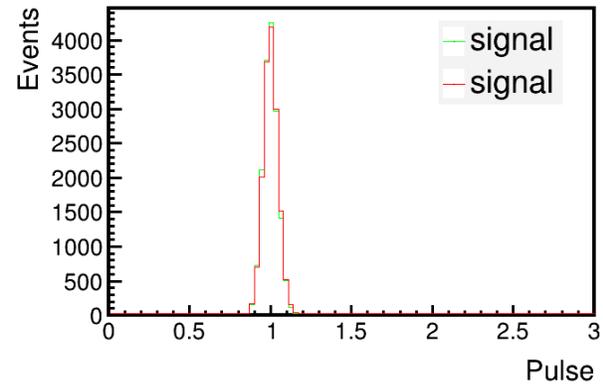
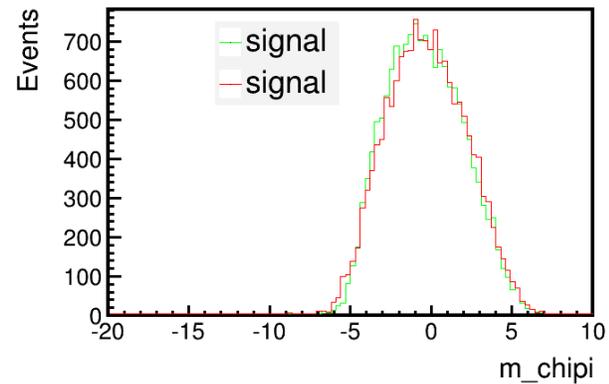
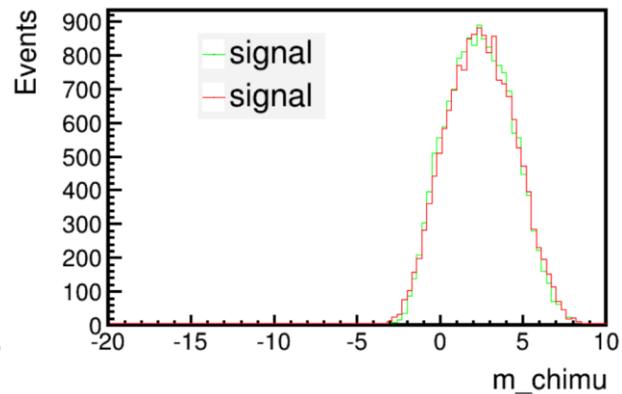
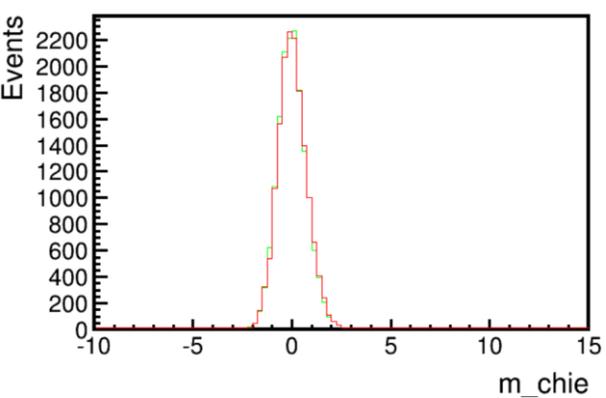
# 虽然与效率问题可能无关但是，还是检查一下训练样本的统计量不同有什么差别



然后发现有改善



# 现在看看有tof的怎么说



# Tof有信息的事例

