



Preparatory work of MFT QC Operation

Pengyao Cui

What I had done

```
cuipengyao@cuipengyao:~/MFT/code$ o2-sim-serial -m MFT -e TGeant3 -n 10000 -g b  
oxgen --configKeyValues 'BoxGun.pdg=13; BoxGun.eta[0]=-4.; BoxGun.eta[1]=-2.; B  
oxGun.prange[0]=0.0; BoxGun.prange[1]=10.0; BoxGun.number=10;Diamond.width[2]=1  
0.'
```

```
cuipengyao@cuipengyao:~/MFT/code$ o2-sim-digitizer-workflow -b
```

- Generate 10 000 events
- Got root files: mfttracks.root, mftclusters.root et. al.

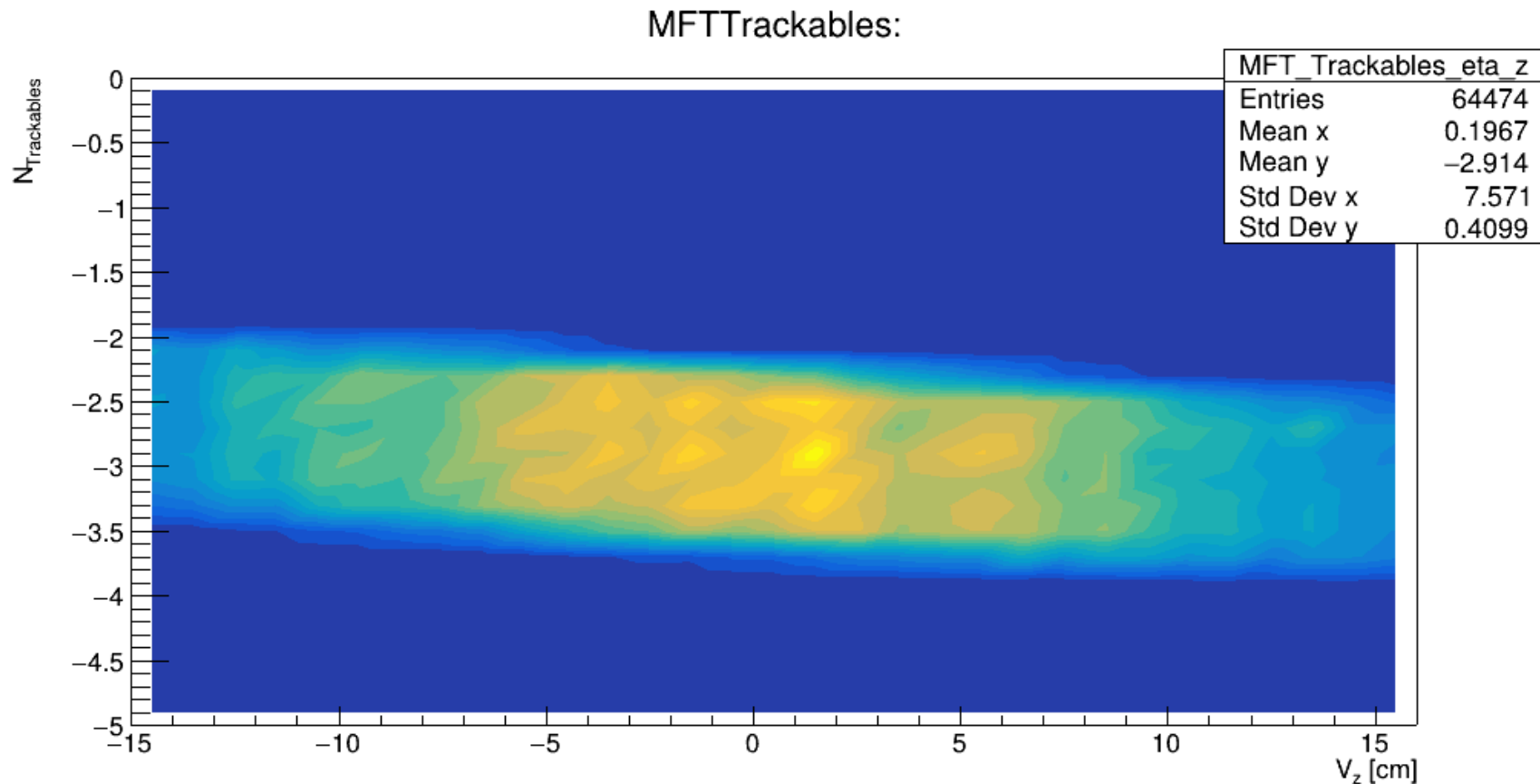
```
bash varyMFTRecoParamLocal.sh
```

- Got root file:RCut_0.0100/MFTEffCheck.root

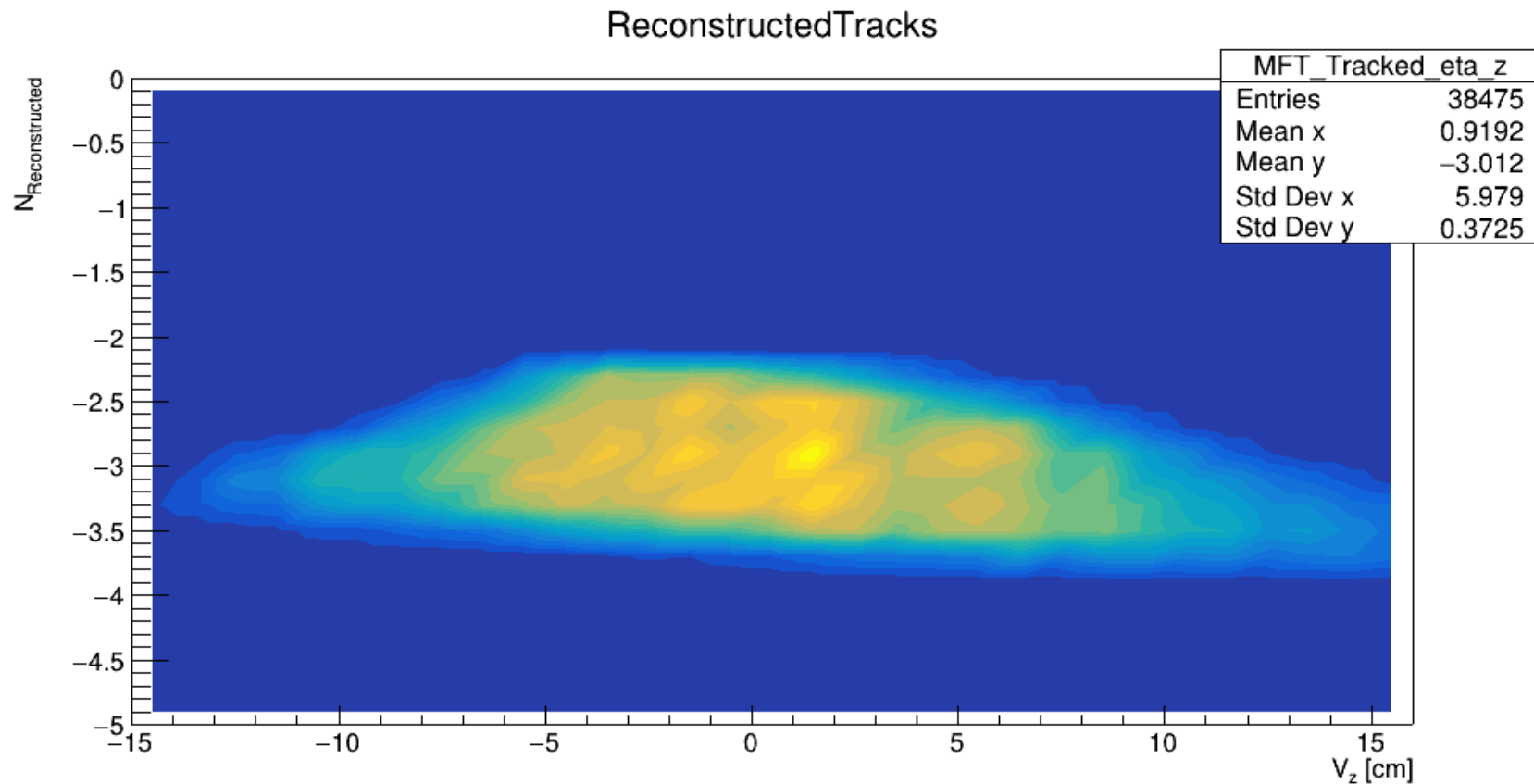
```
root -l CompToAE.C
```

- Got eps files

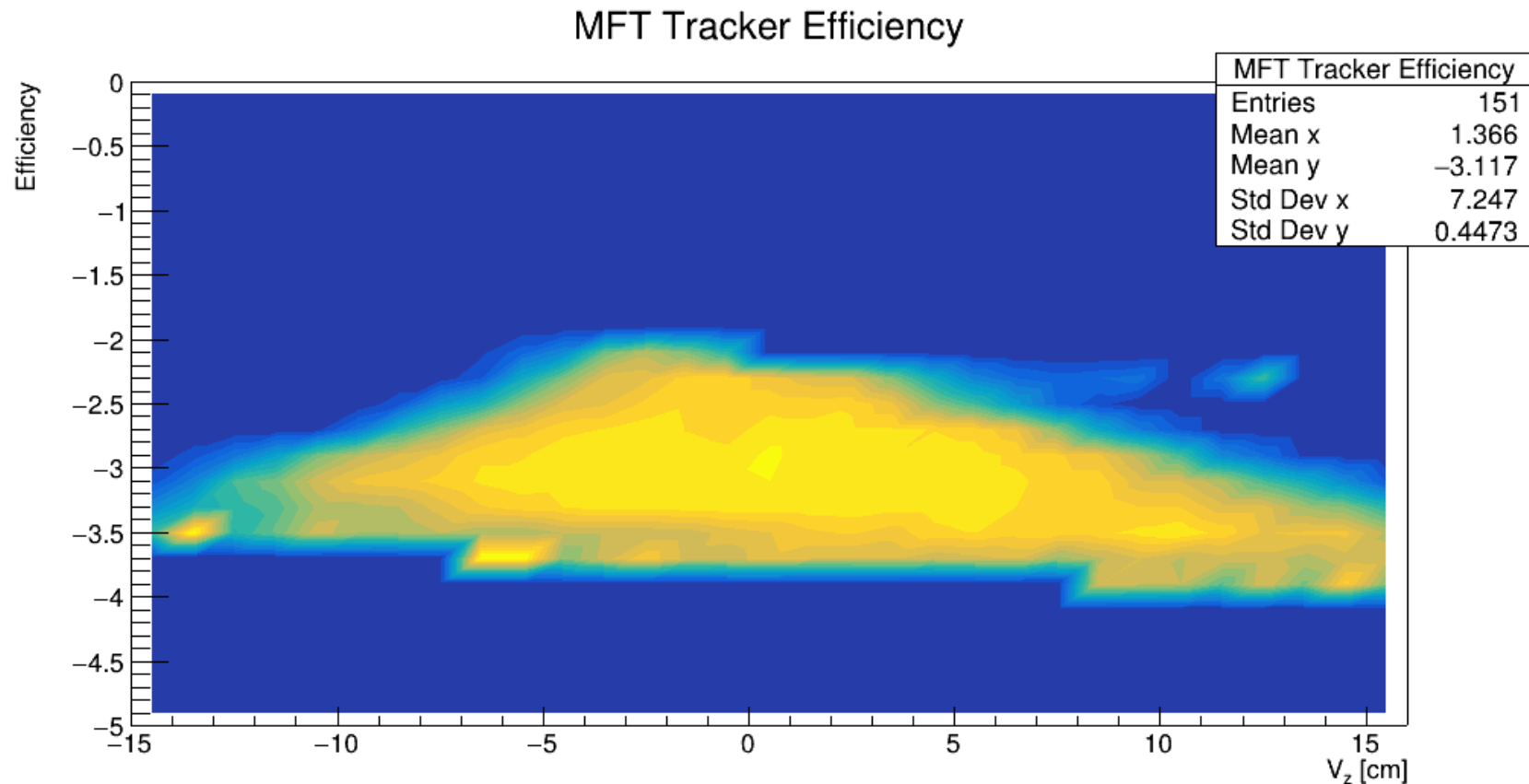
Some of plots in MFTEffCheck.root



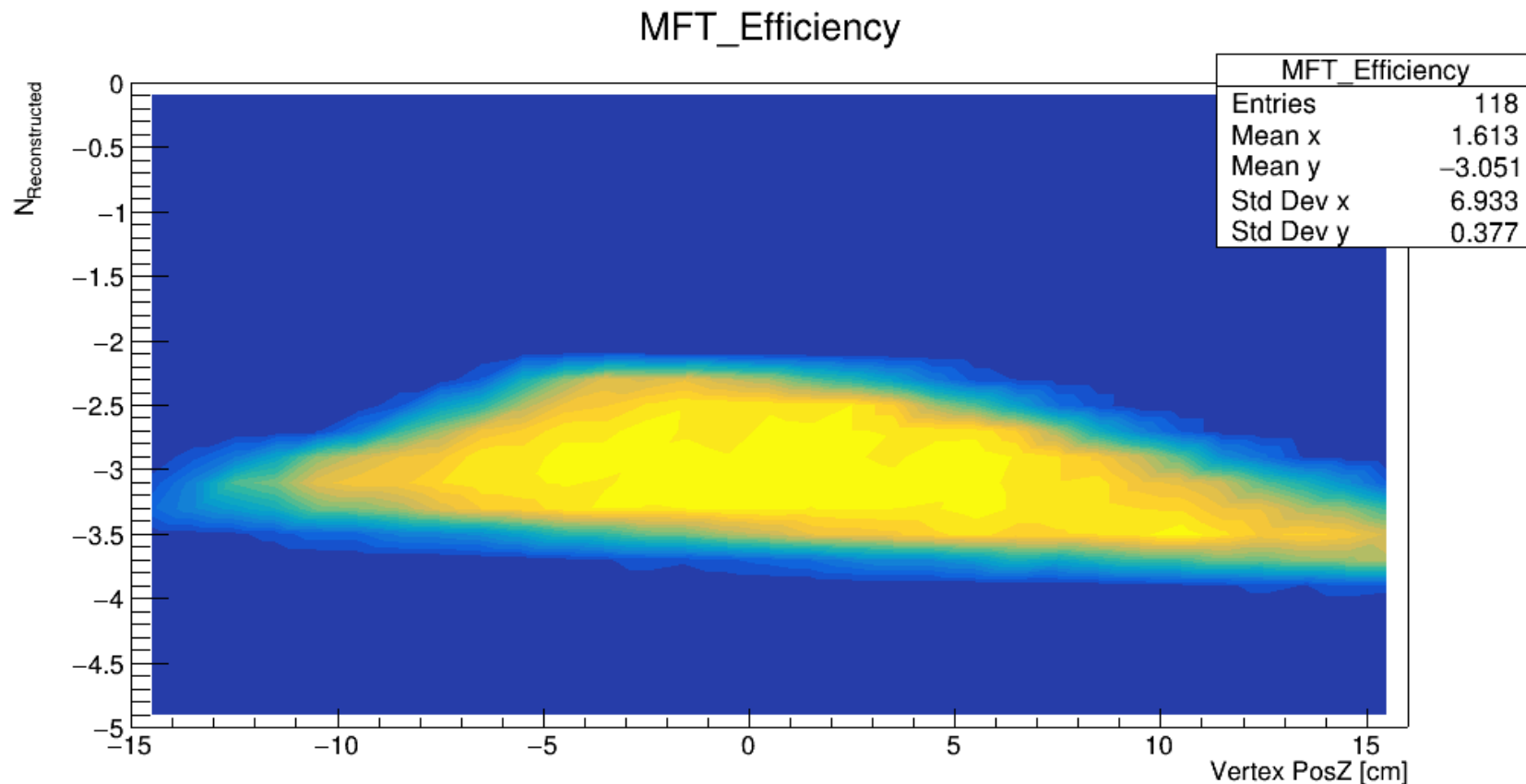
Some of plots in MFTEffCheck.root



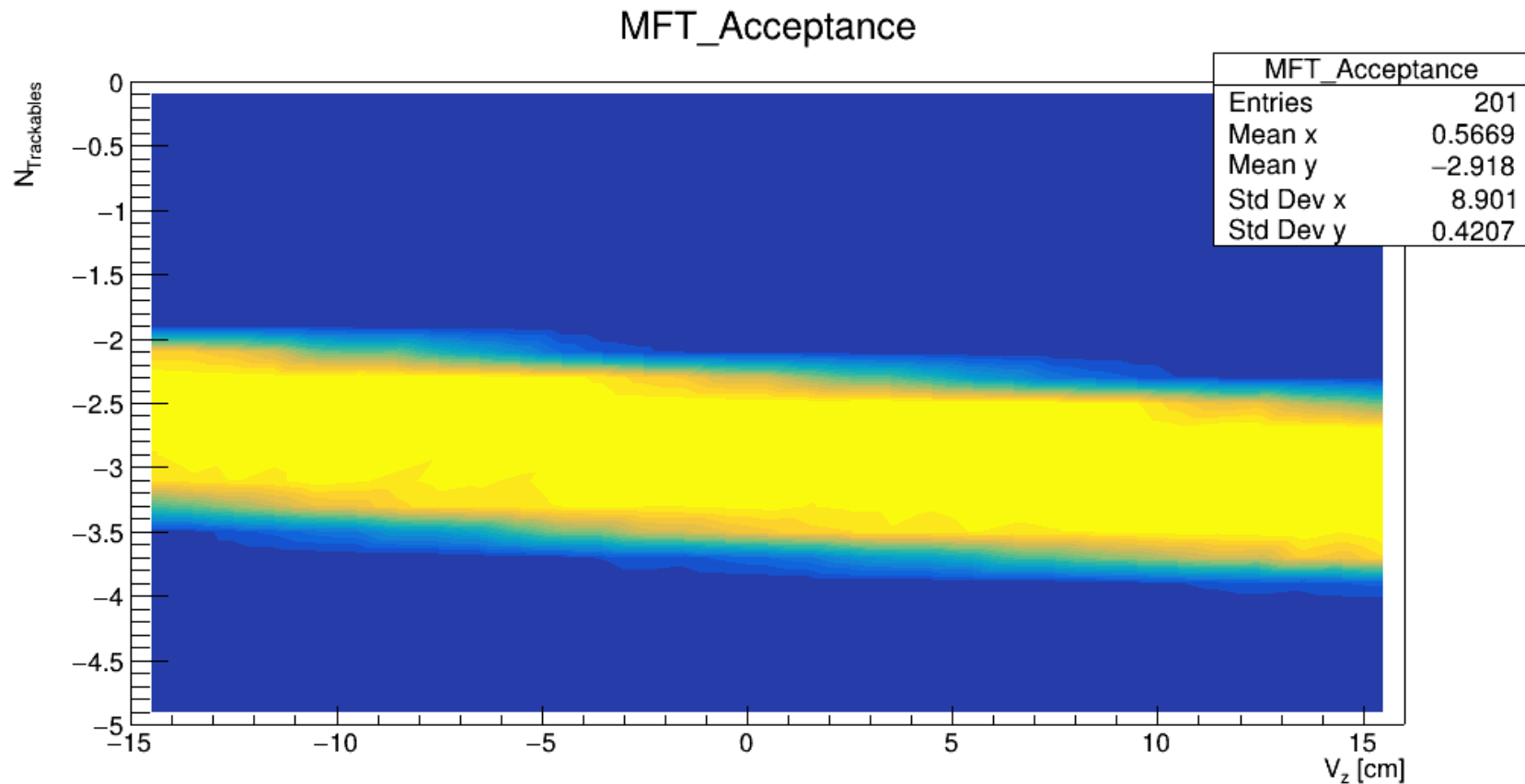
Some of plots in MFTEffCheck.root



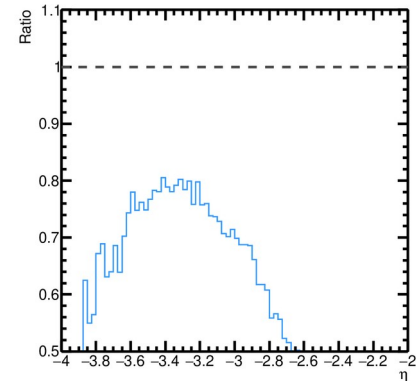
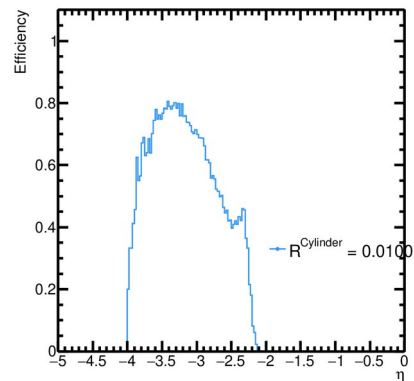
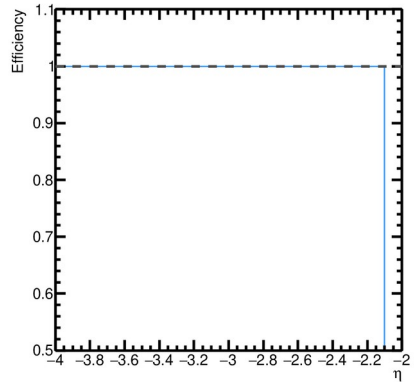
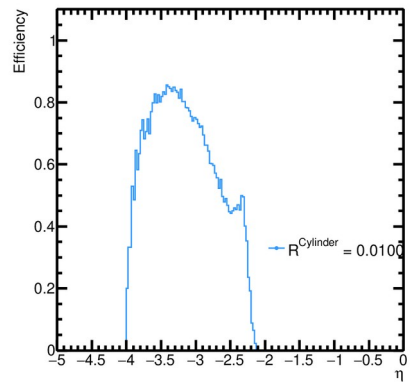
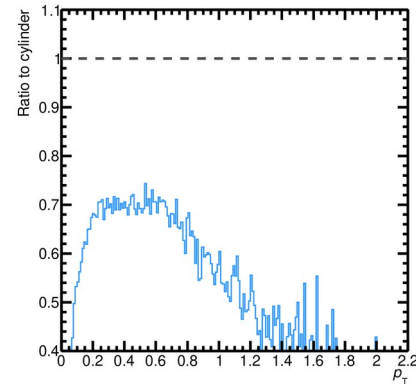
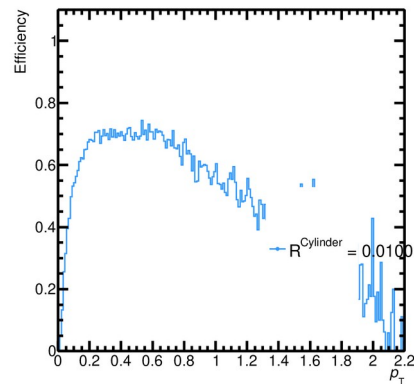
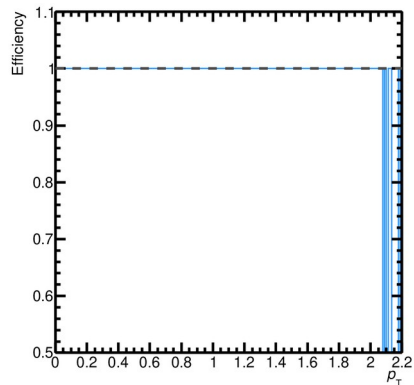
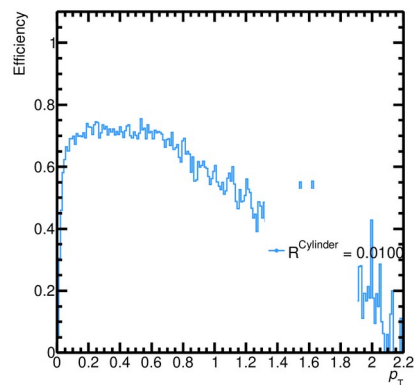
Some of plots in MFTEffCheck.root



Some of plots in MFTEffCheck.root



Got plots run CompToAE.C



Got plots run CompToAE.C

