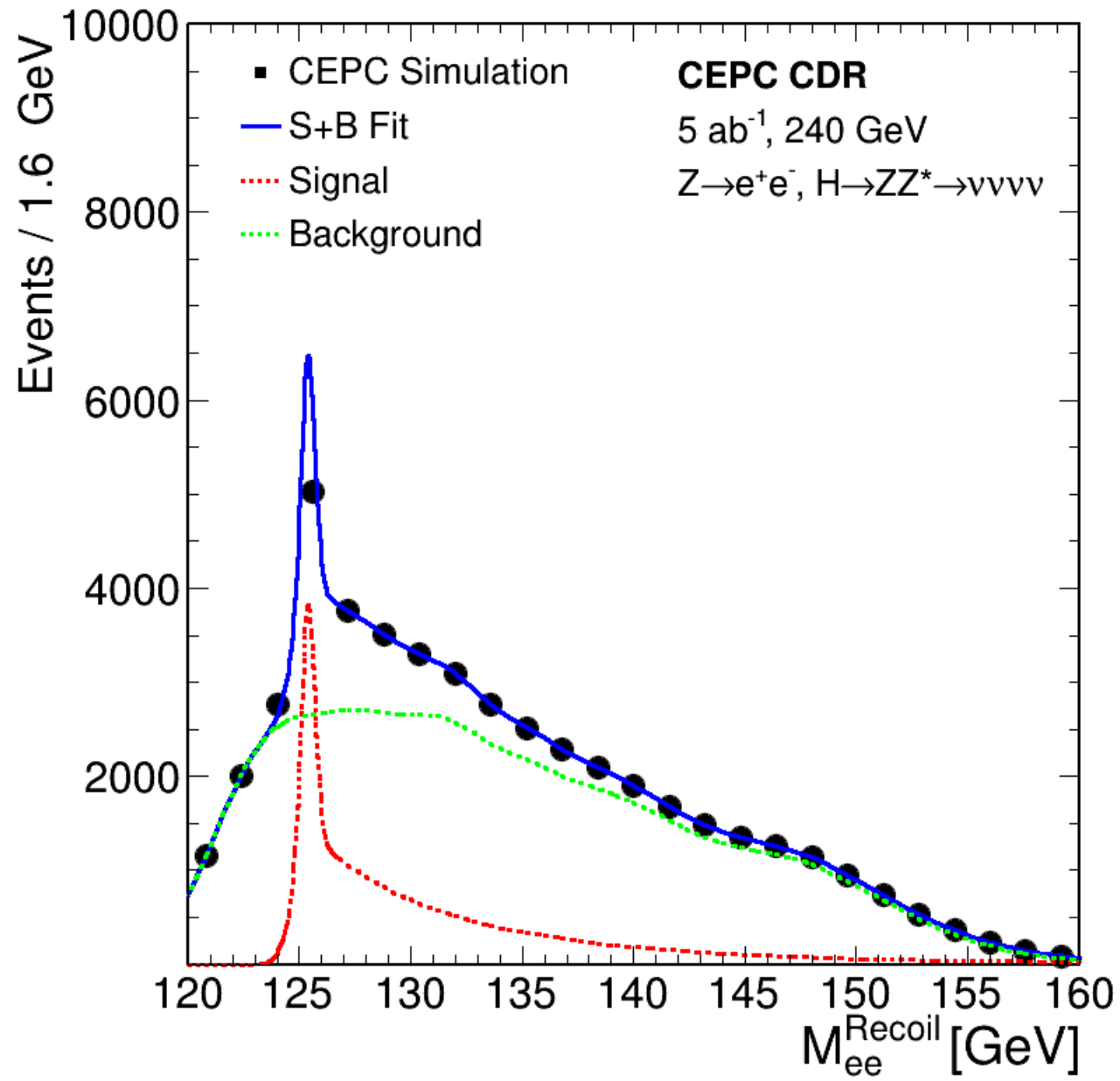


Higgs -> invisible

Tanyh
2018.12.27

1. Completed memo 0.4.3 : add the channel of eeH_inv.
2. Print MC Truth to check information.

Fit result of eeH_inv:



The upper limit of $\text{Br}(H \rightarrow \text{inv})$ is 0.89% in the channel of eeH_inv.

Question: Neutral PID = 21120 ?

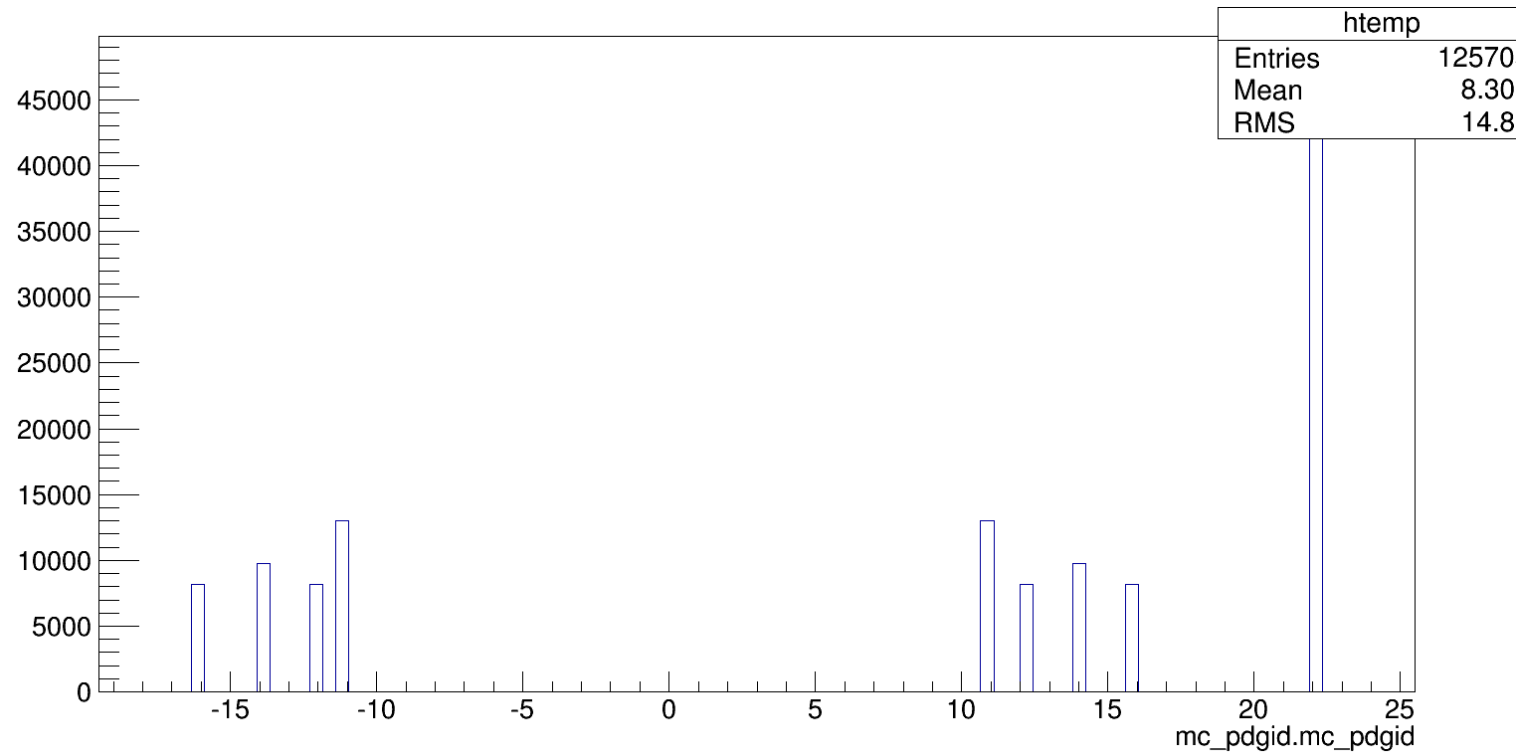
1). [/afs/ihep.ac.cn/soft/common/gcc/v01-17-05/lcio/v02-04-03/include/EVENT/ReconstructedParticle.h](https://afs.ihep.ac.cn/soft/common/gcc/v01-17-05/lcio/v02-04-03/include/EVENT/ReconstructedParticle.h) -LiGang

```
/** Type of reconstructed particle.  
* Check/set collection parameters ReconstructedParticleTypeNames and  
* ReconstructedParticleTypeValues.  
*/  
virtual int getType() const = 0;
```

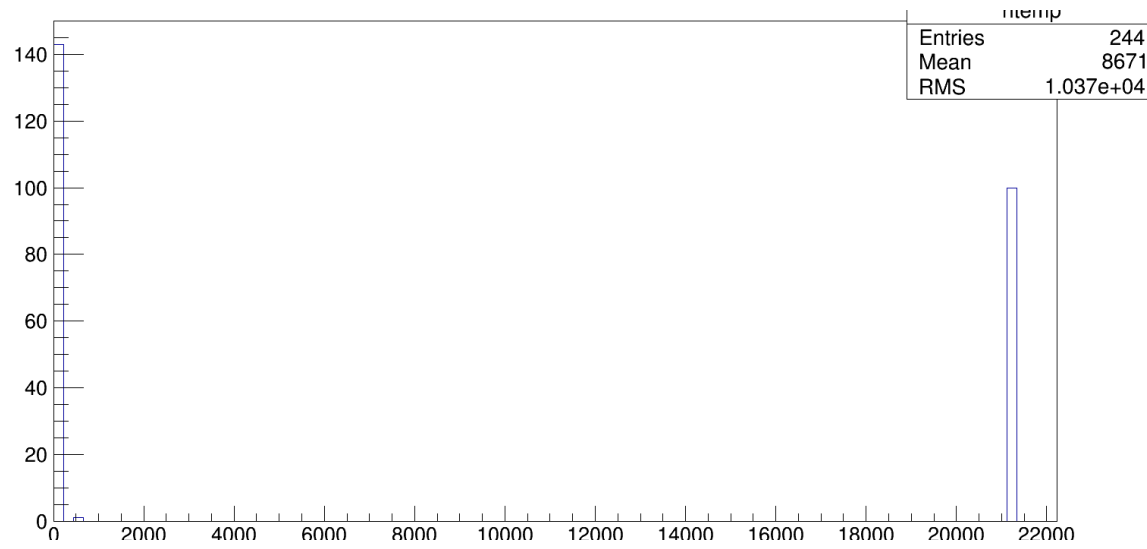
I don't find the file of defining the PID. May need to ask other teachers ?

2).MC Truth:

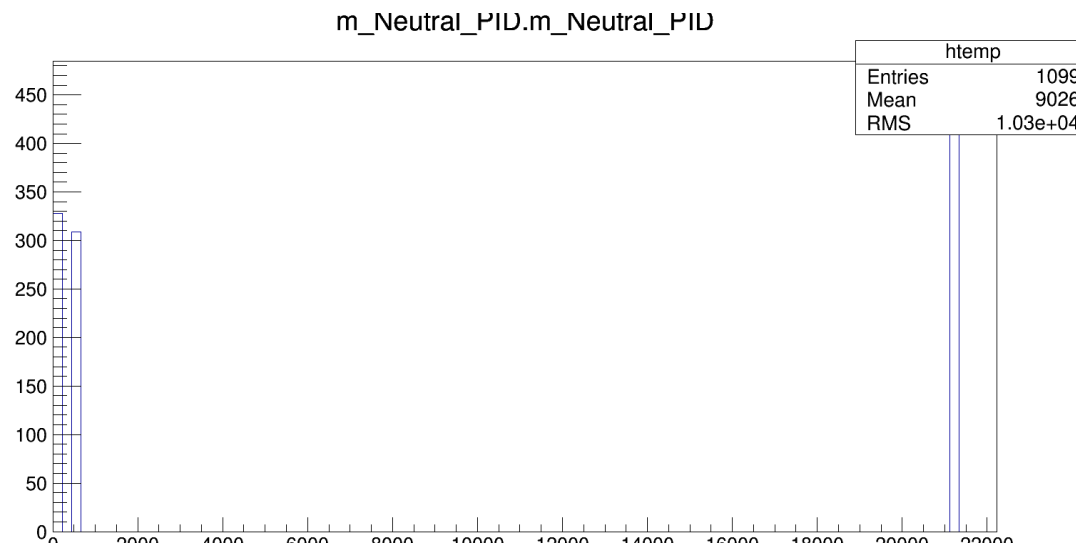
The distribution of PID after cuts in the eeH_inv channel. Include e+, e- , photon , neutrino. It's normal.



MumuH_inv: neutral PID:



eeH_inv: neutral PID:



Thank you.