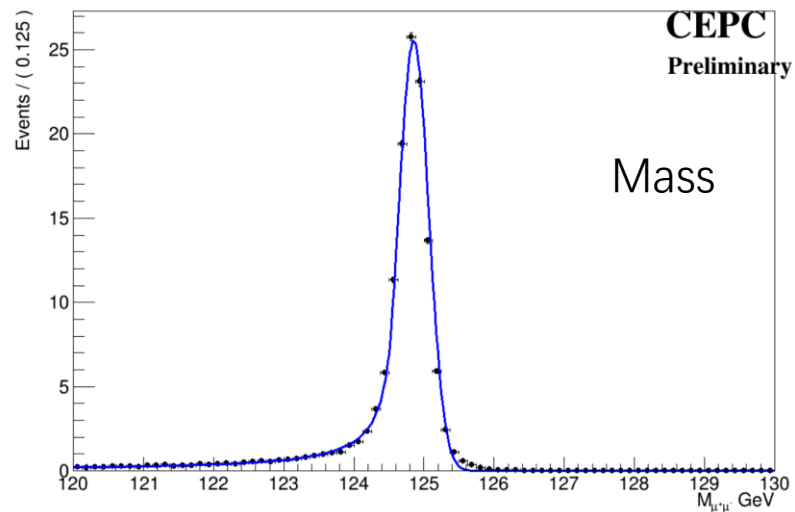


the Impact of the Change of the Magnetic Field on the Analysis of $H \rightarrow \mu\mu$

Zhenwei Cui

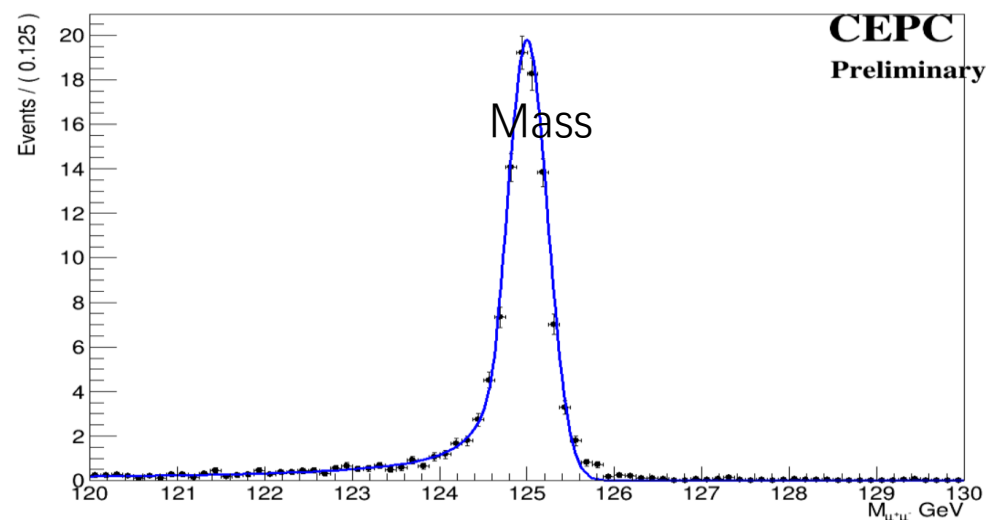
2018/1/29

3.5T



124.85 0.21

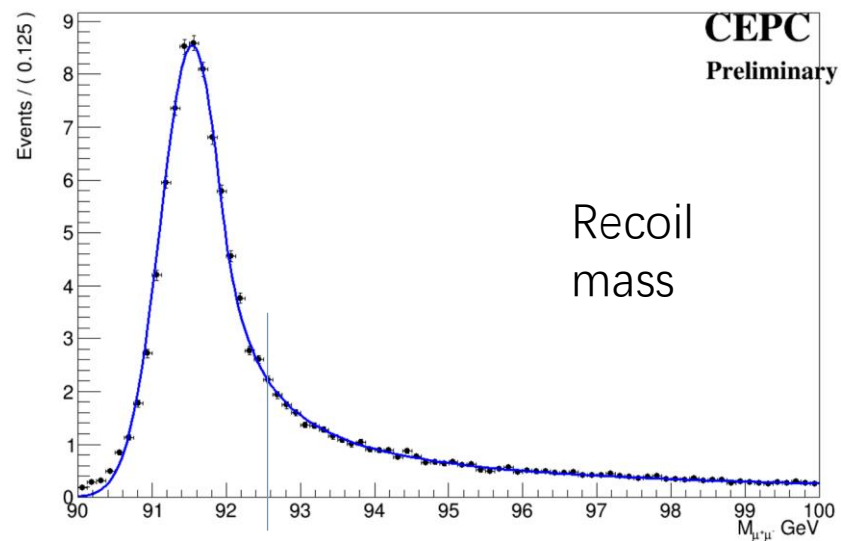
3T



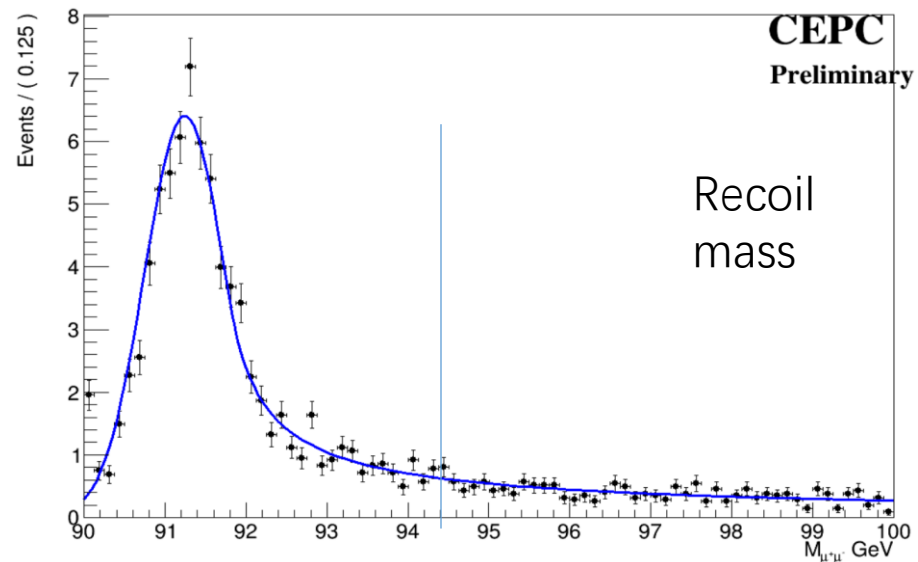
125 0.235

Mean, Sigma

Simulation is $0.857 \times 3.5T$
Reconstruction 3T



91.3 0.43



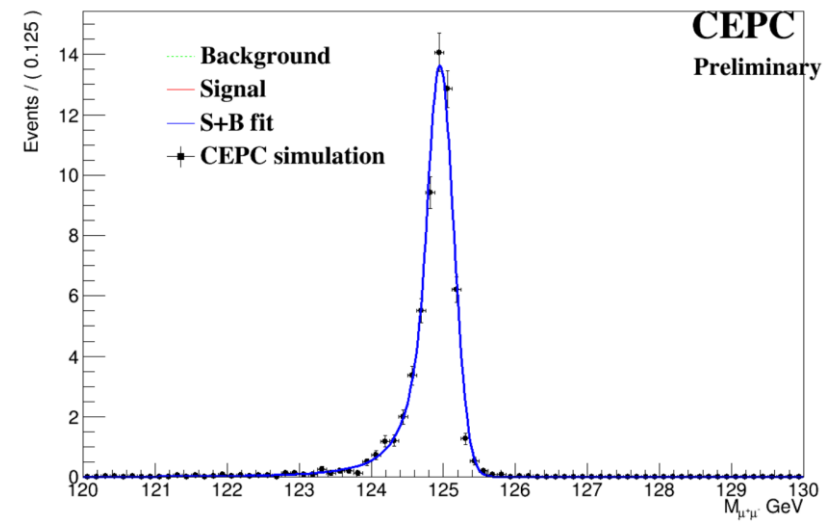
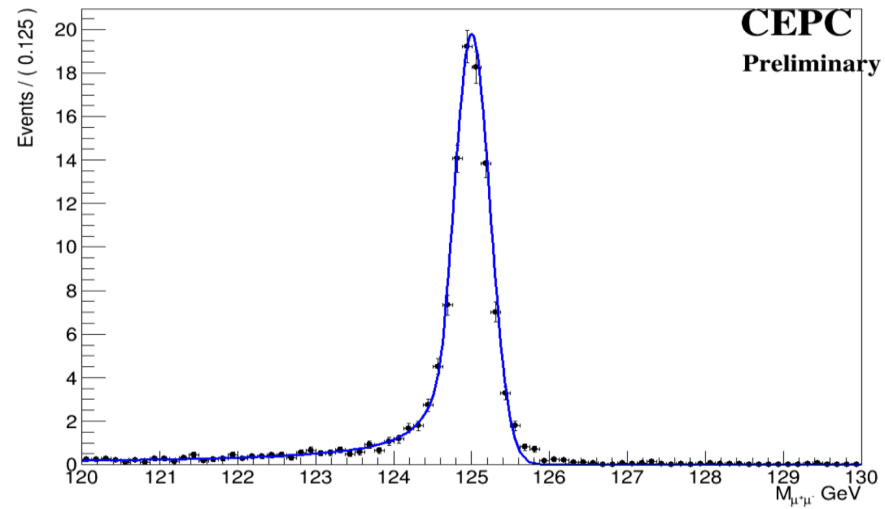
91.5 0.50

 $90.9 < M_{recoil_u} < 93.5$

The difference cause the
bias of the mean.

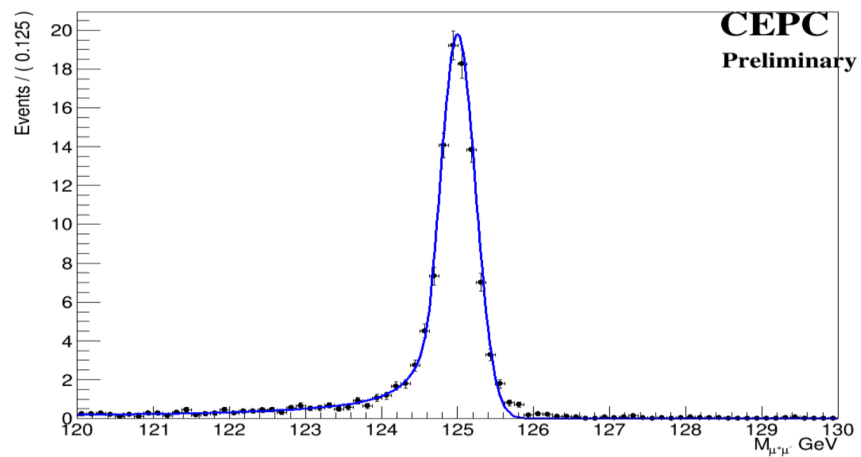
3T

After the recoil cut



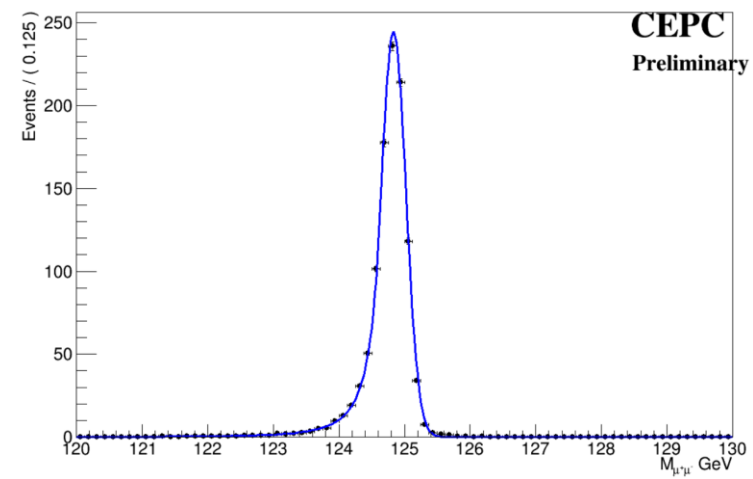
0.235

3.5T



0.21

0.19



0.19