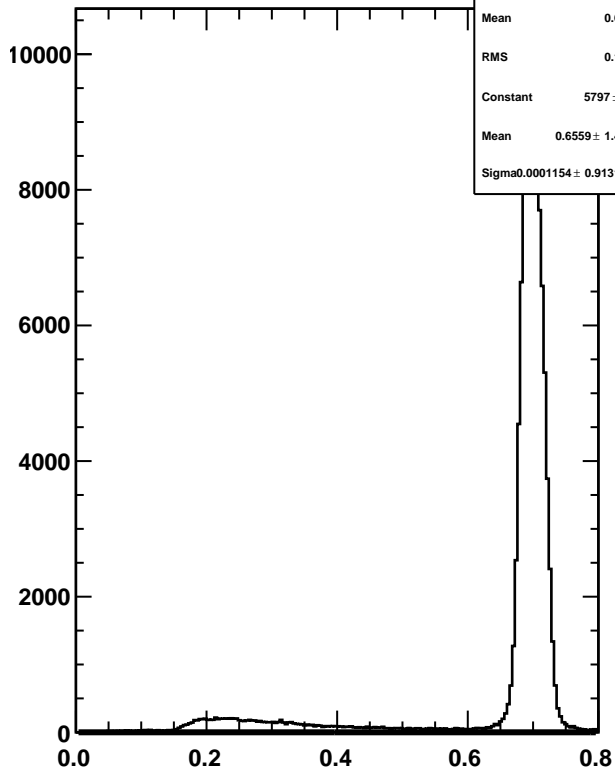
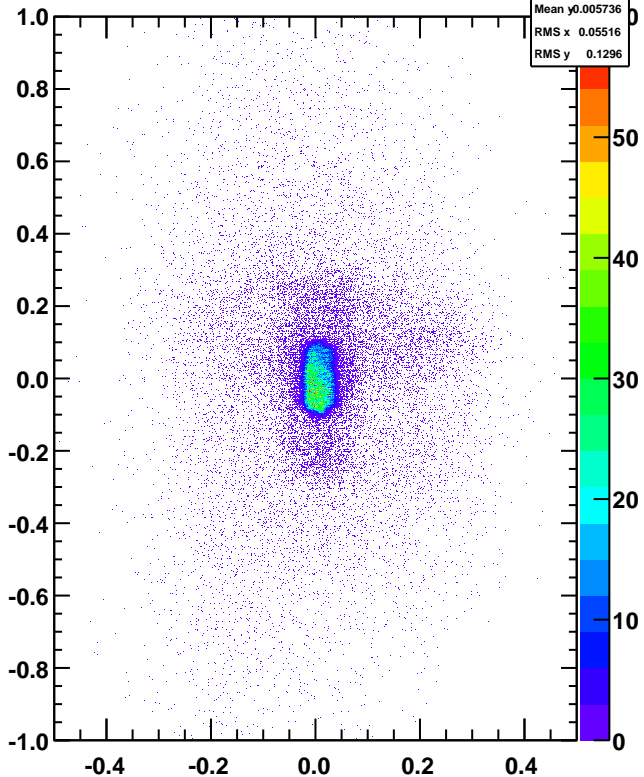


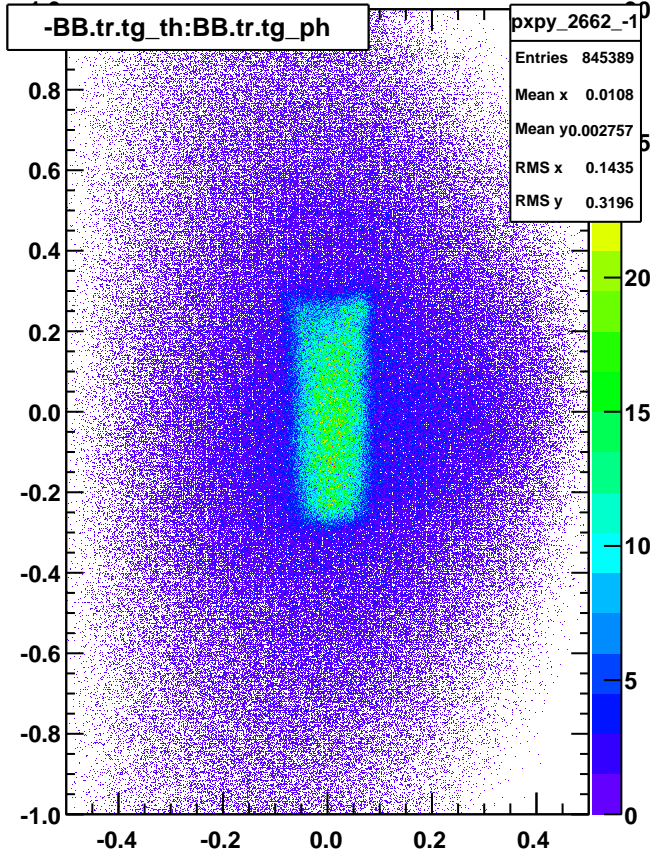
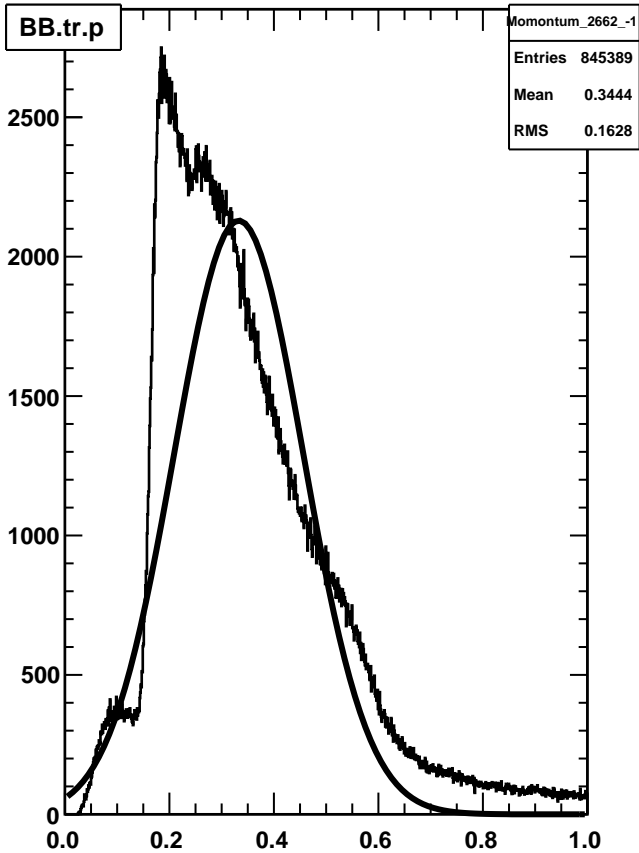
**BB.tr.p****Momontum\_2531\_-1**

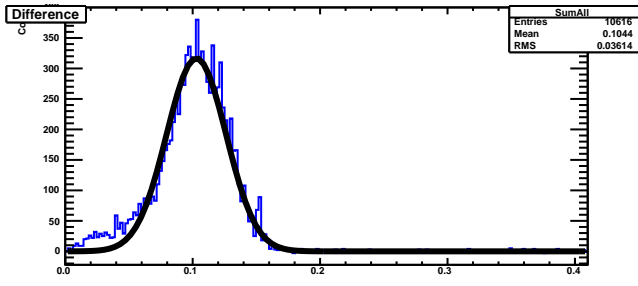
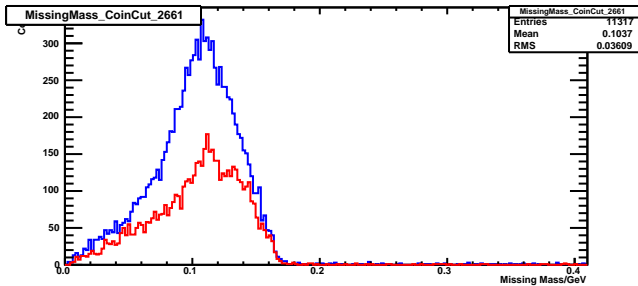
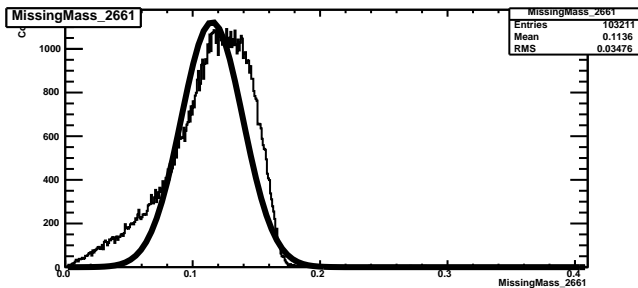
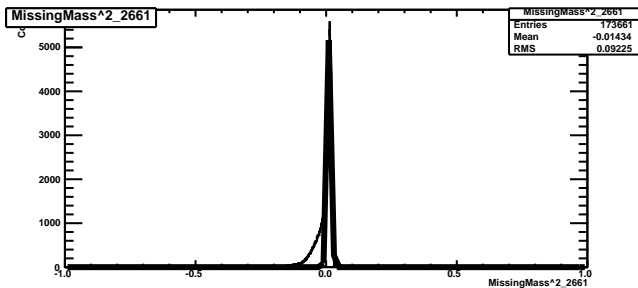
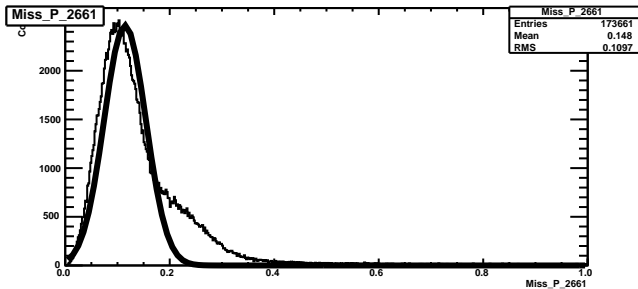
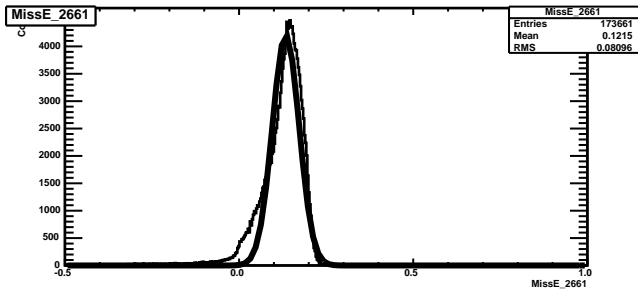
Entries	121038
Mean	0.6559
RMS	0.1293
Constant	$5797 \pm 1.4$
Mean	$0.6559 \pm 1.4142$
Sigma0.0001154	$\pm 0.9131455$

**-BB.tr.tg\_th:BB.tr.tg\_ph****pxpy\_2531\_-1**

Entries	121038
Mean x	0.00652
Mean y	0.005736
RMS x	0.05516
RMS y	0.1296

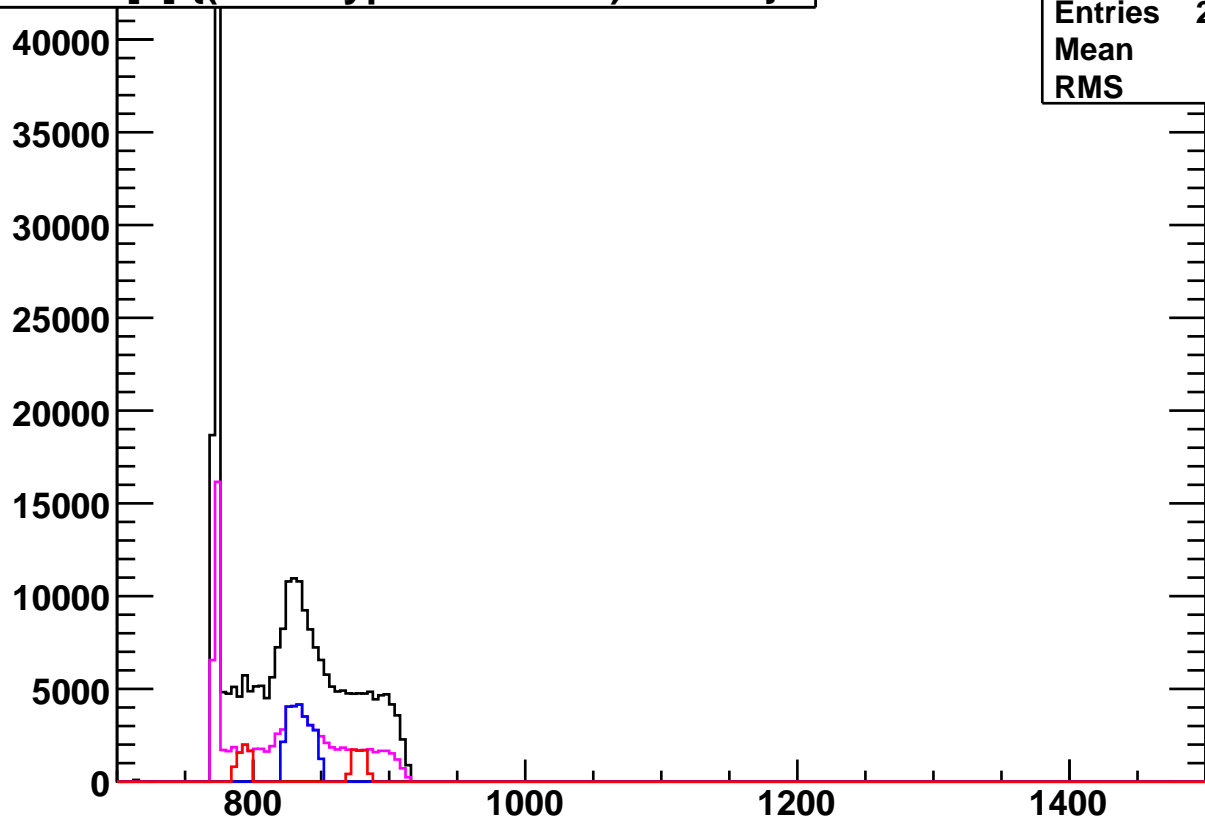






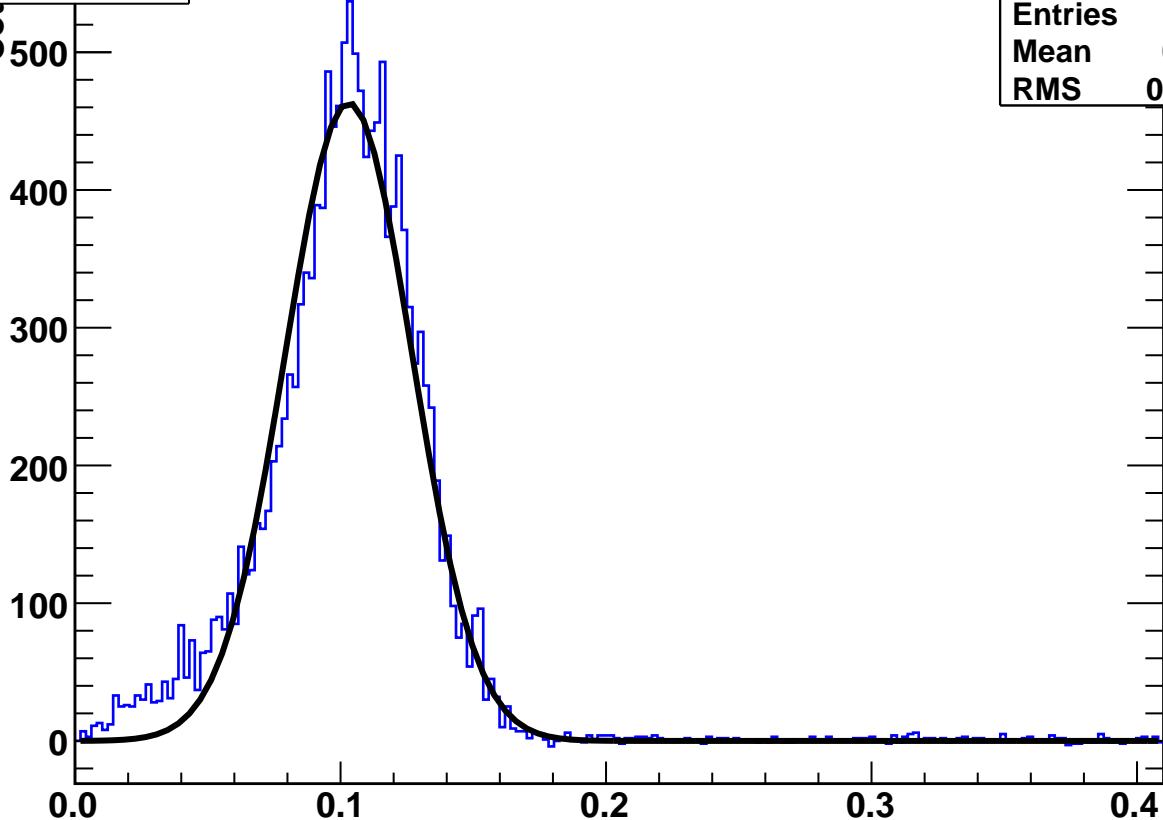
DL.t3[0] {(DL.evtypebits&1<<5)==1<<5}

HistCoinTime	
Entries	273825
Mean	823.8
RMS	42.13



**Difference**

Count

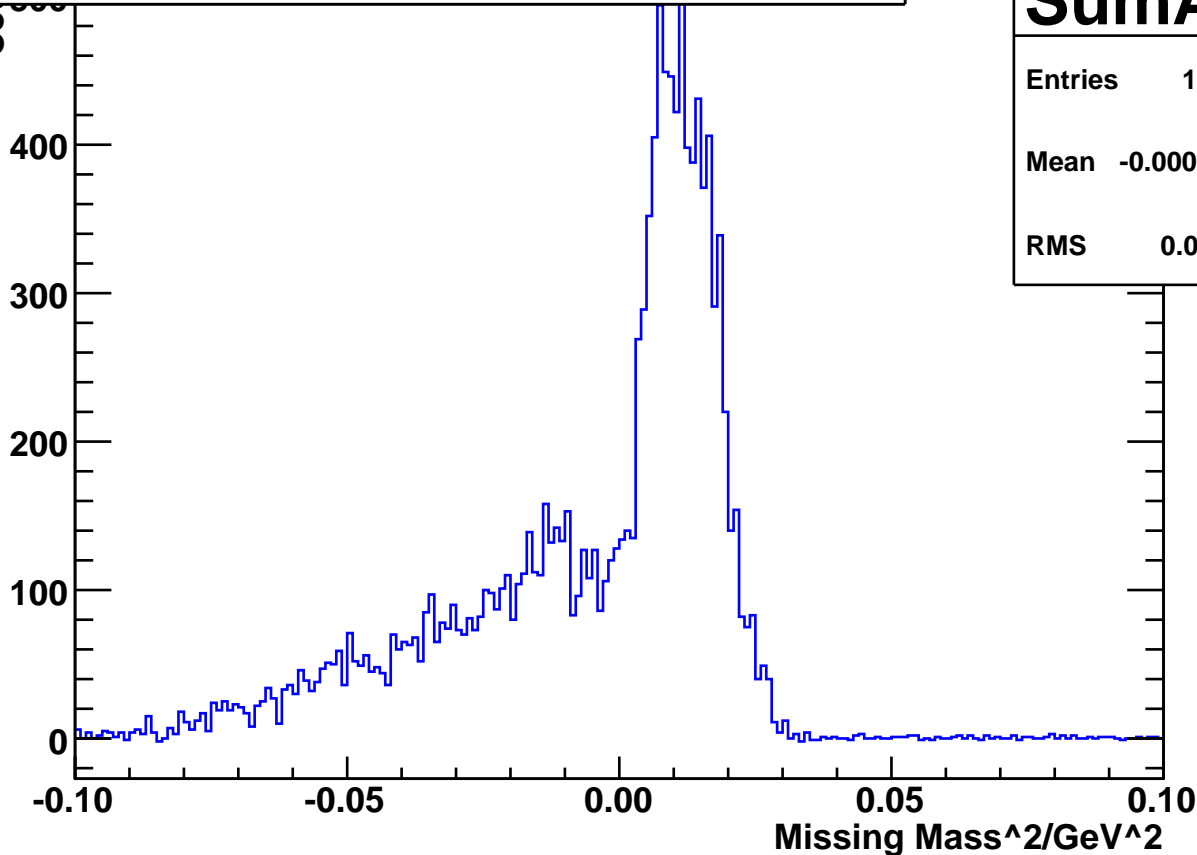


**SumAll**

Entries	15609
Mean	0.1044
RMS	0.03602

Missing Mass<sup>2</sup> (30ns in coincidence peak - 30ns out of coincidence peak)

Counts



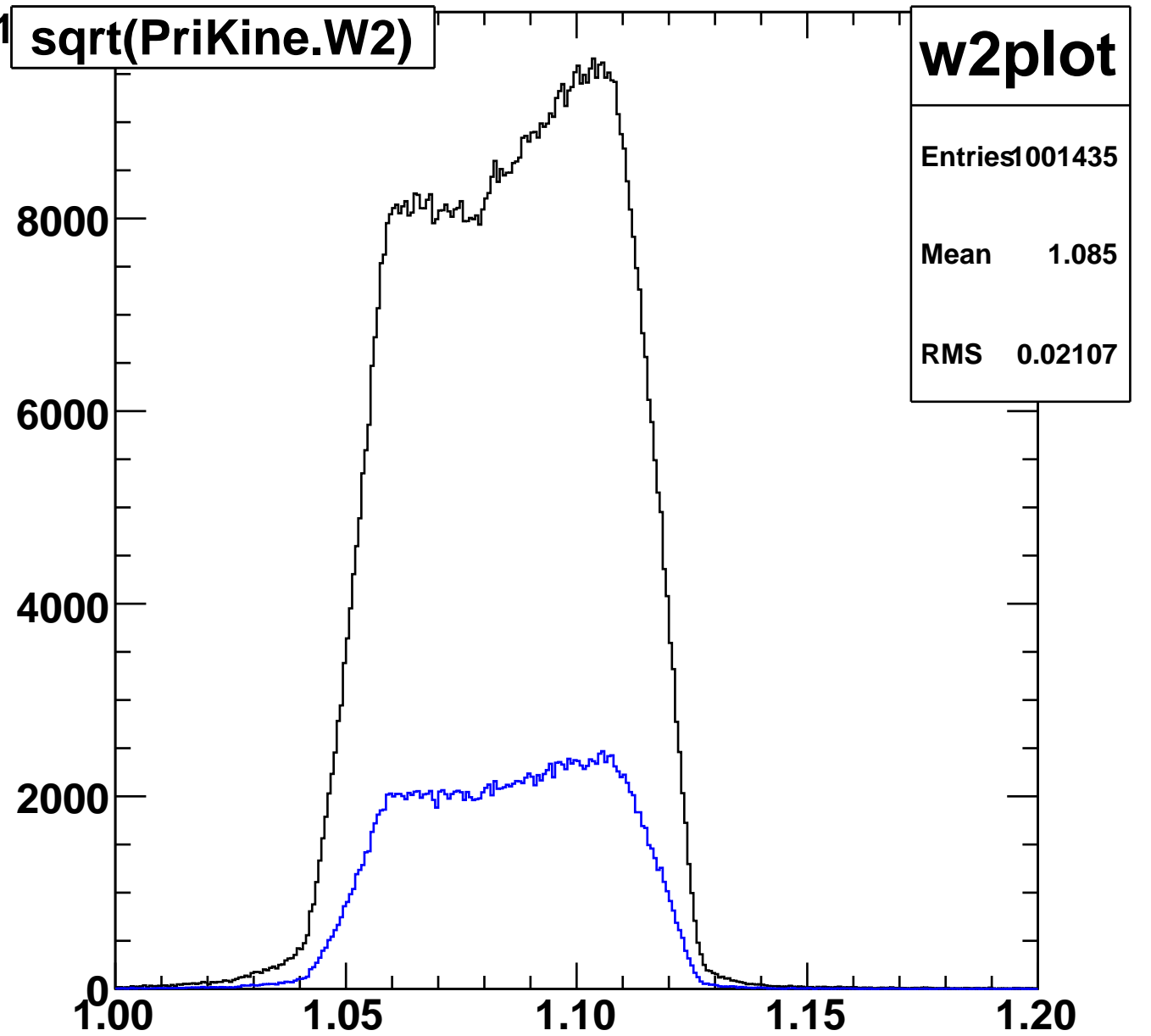
# SumAll

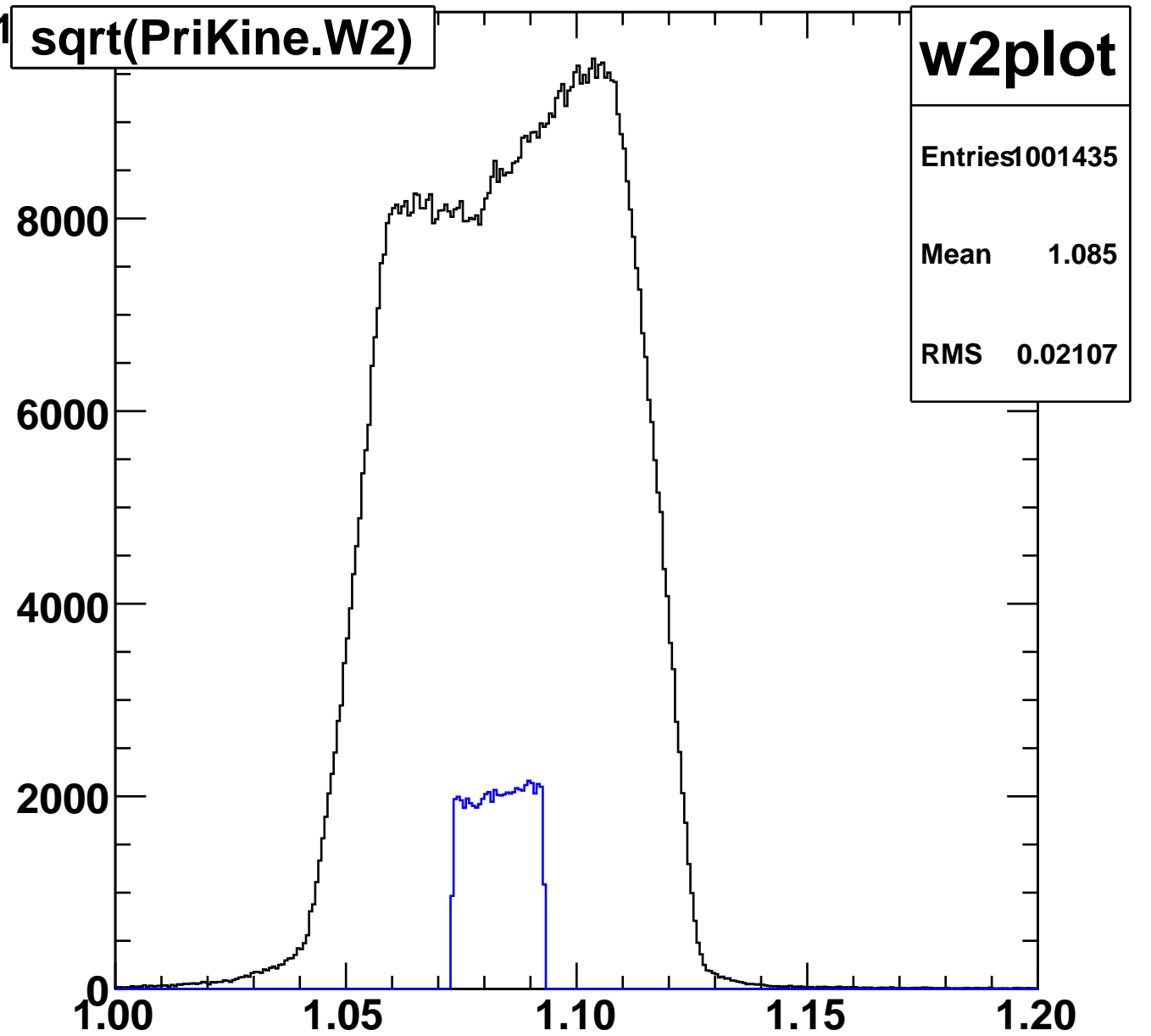
Entries 13958

Mean -0.0005149

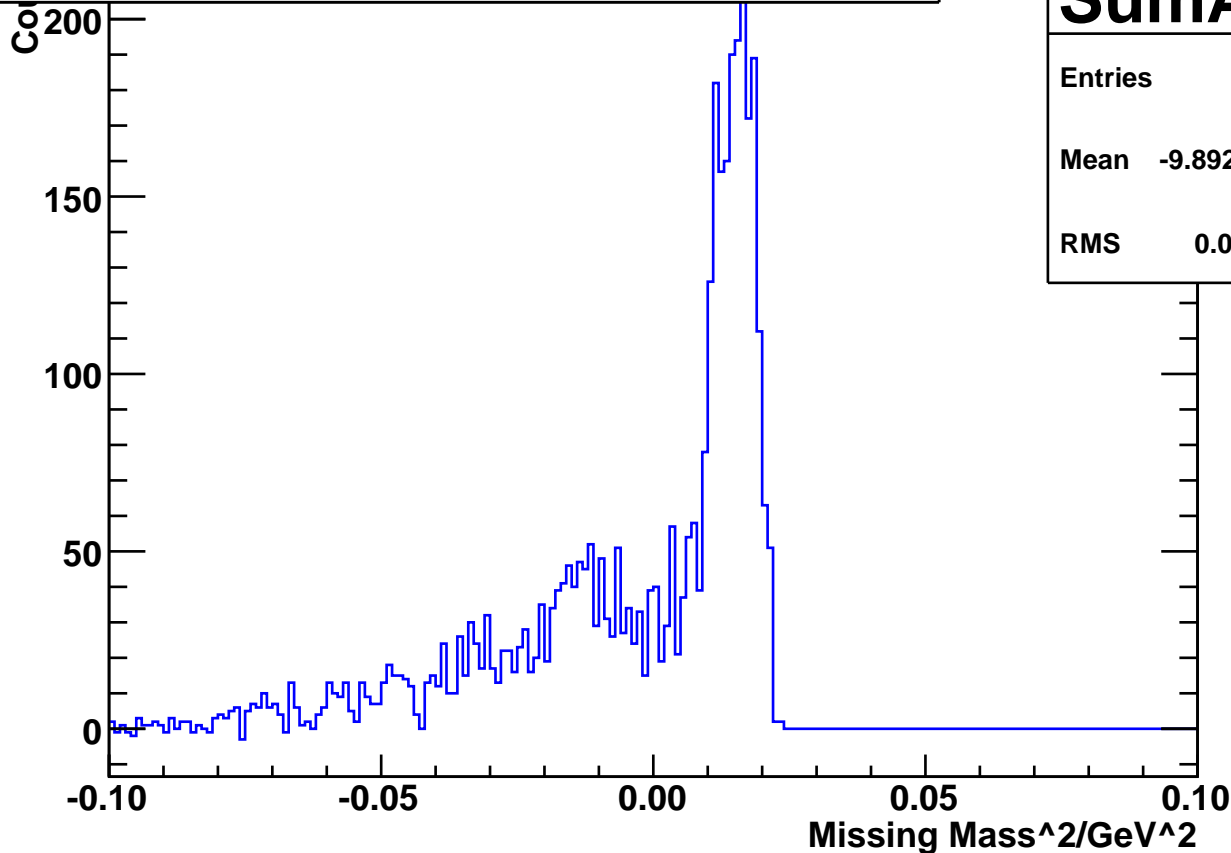
RMS 0.02378







Missing Mass<sup>2</sup> (30ns in coincidence peak - 30ns out of coincidence peak)

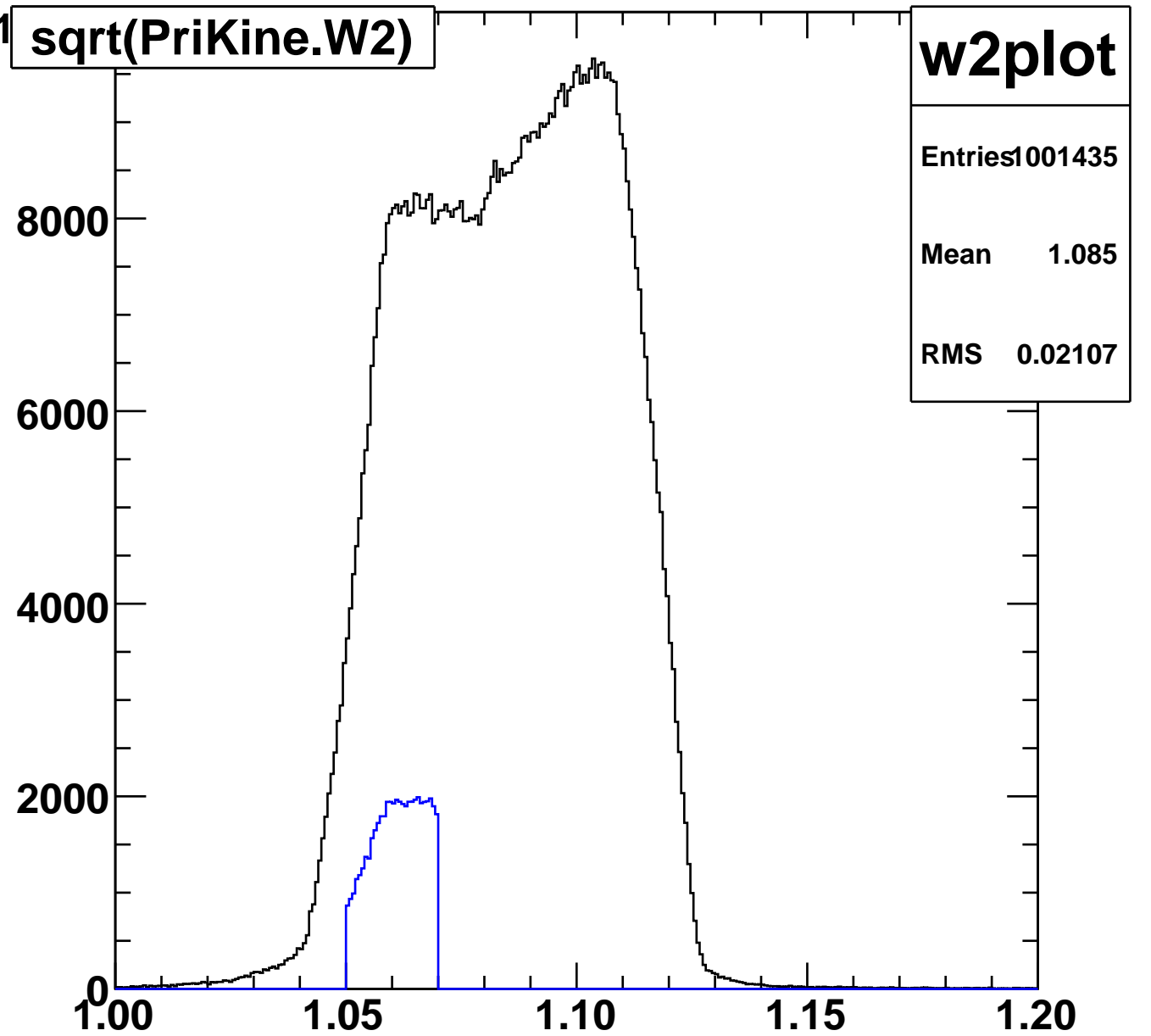


# SumAll

Entries 3741

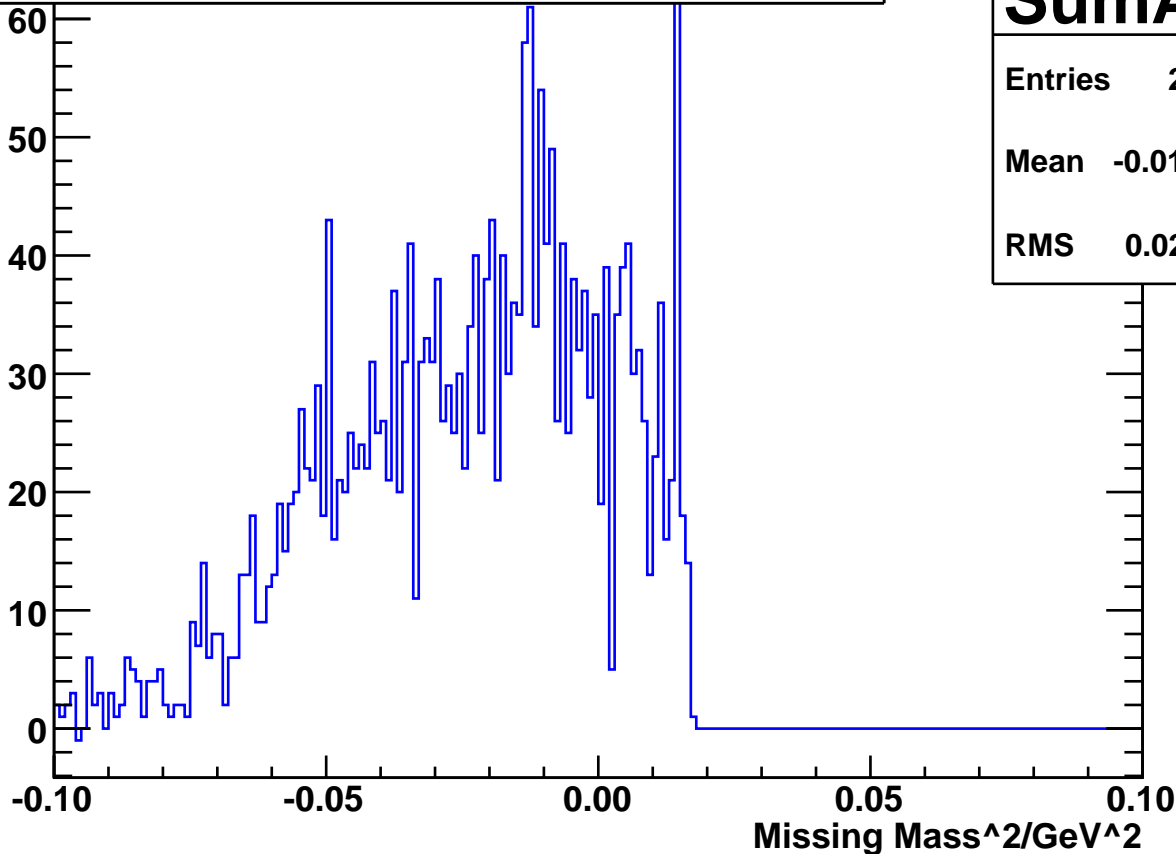
Mean  $-9.892\text{e-}05$

RMS 0.02246



Missing Mass<sup>2</sup> (30ns in coincidence peak - 30ns out of coincidence peak)

$\bar{C}$



**SumAll**

Entries 2516

Mean -0.01024

RMS 0.02358

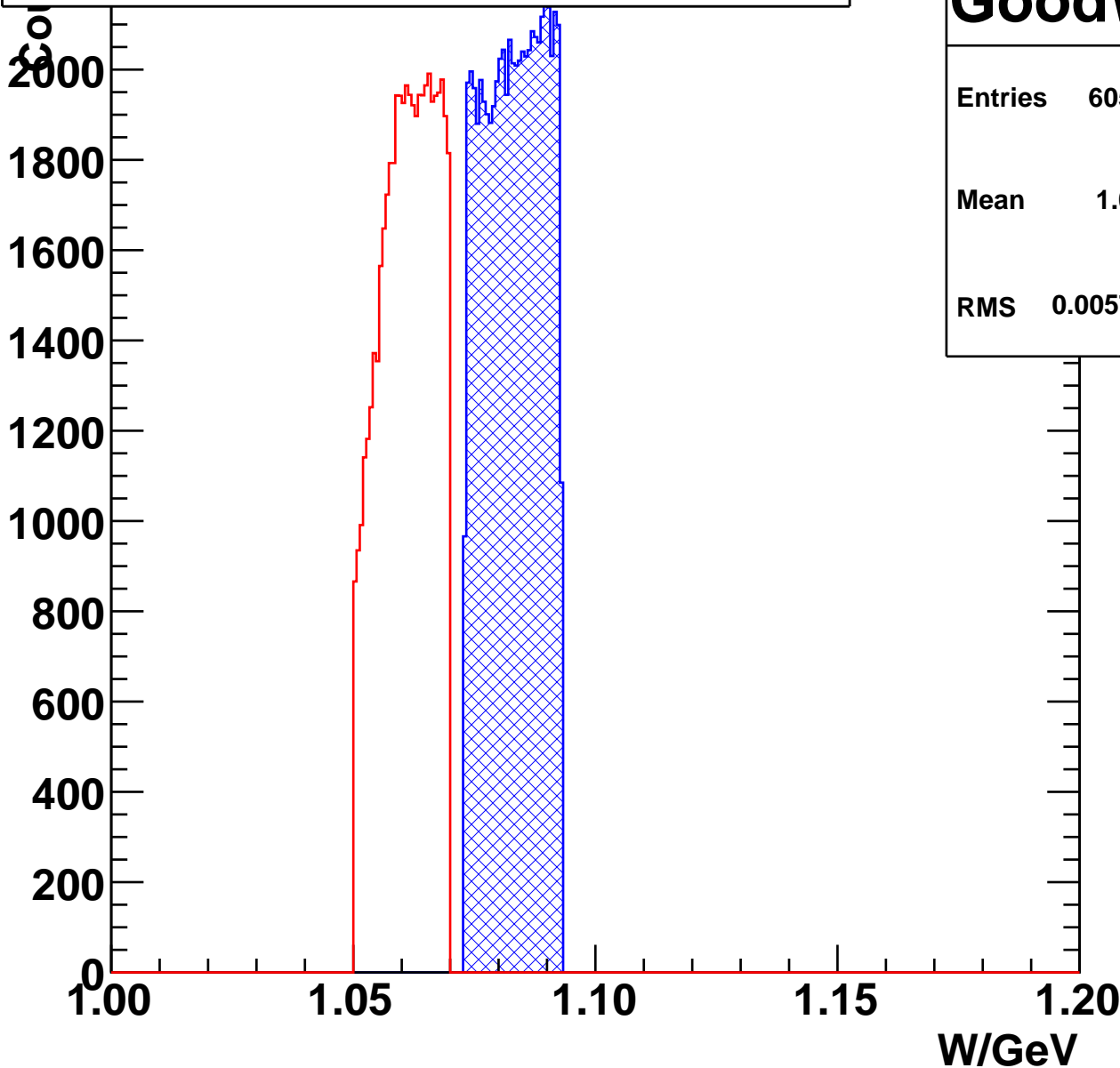
# Compile of 3 difference W selection

## GoodW

Entries 60563

Mean 1.083

RMS 0.005783



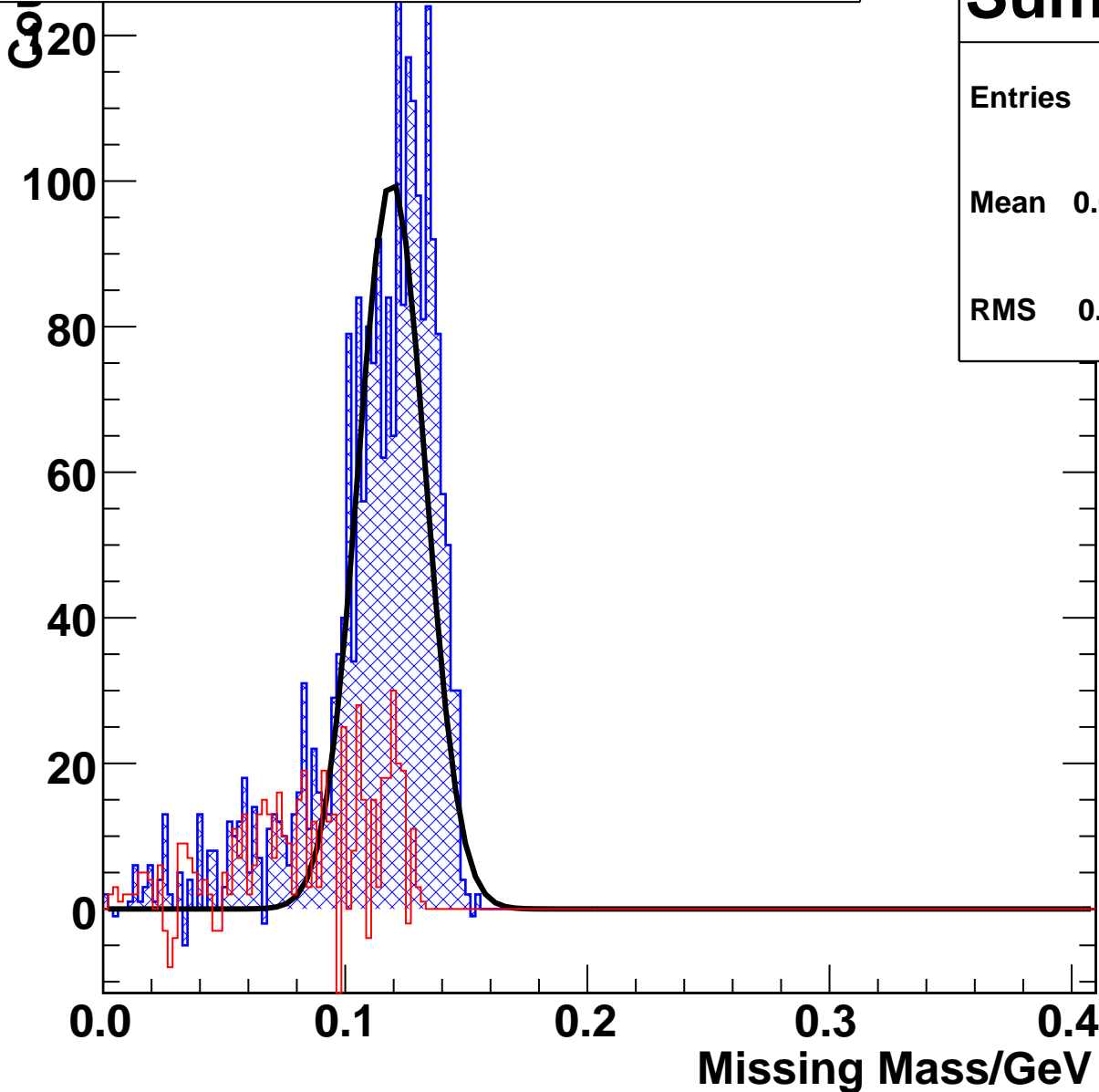
# Missing Mass Corresponding to W Selection

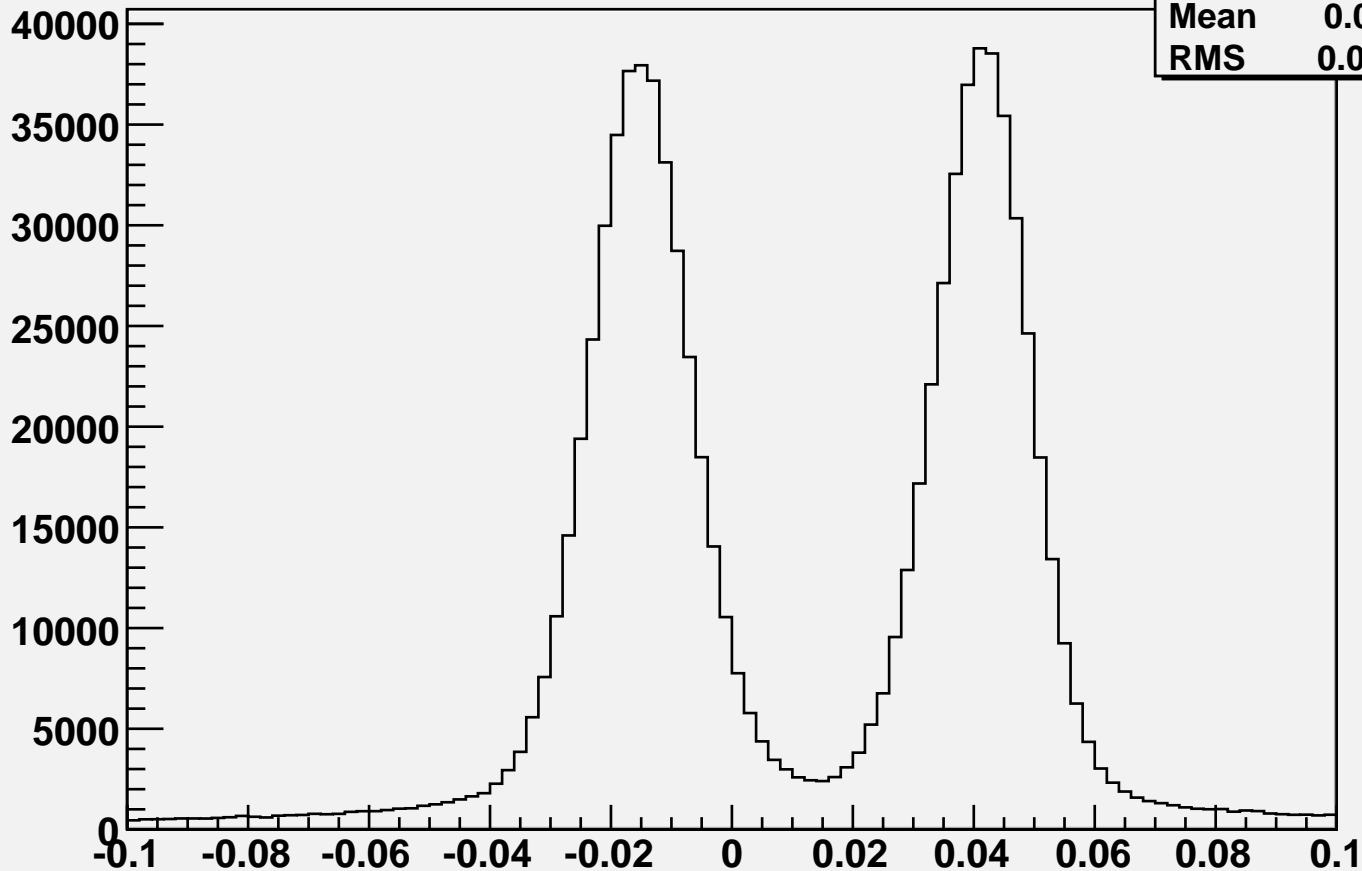
## SumAll

Entries 470

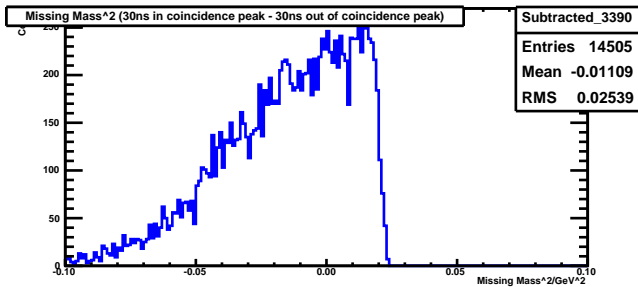
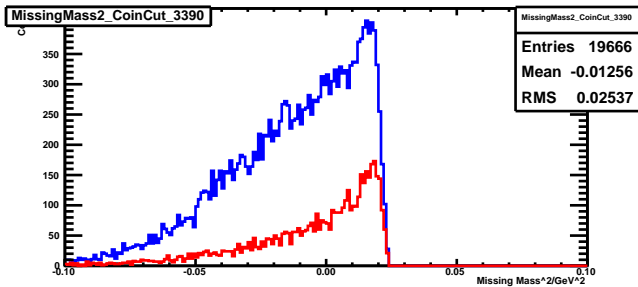
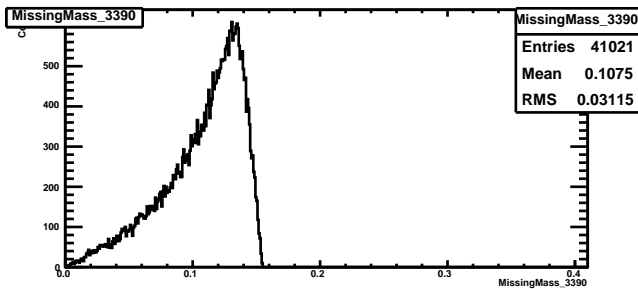
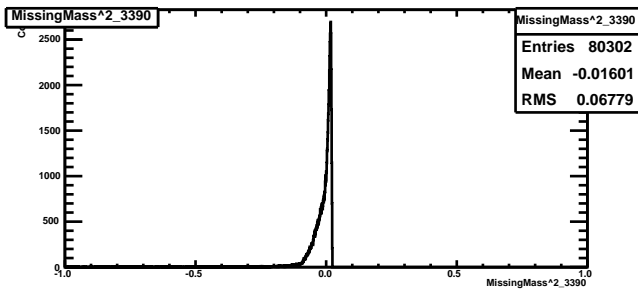
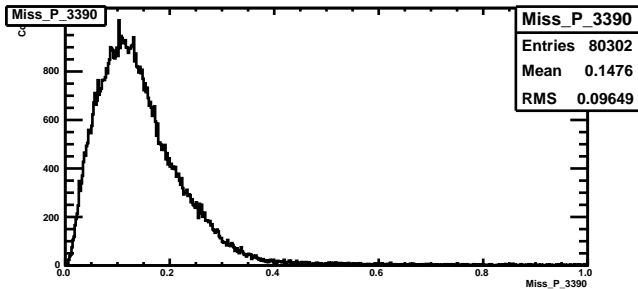
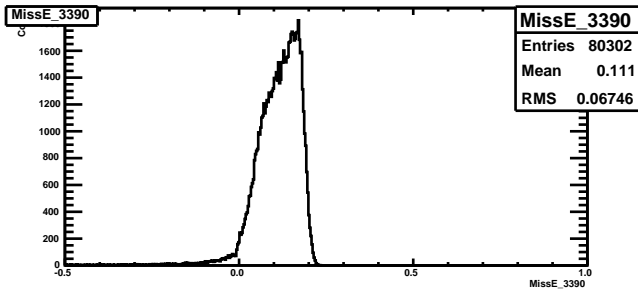
Mean 0.08819

RMS 0.02731

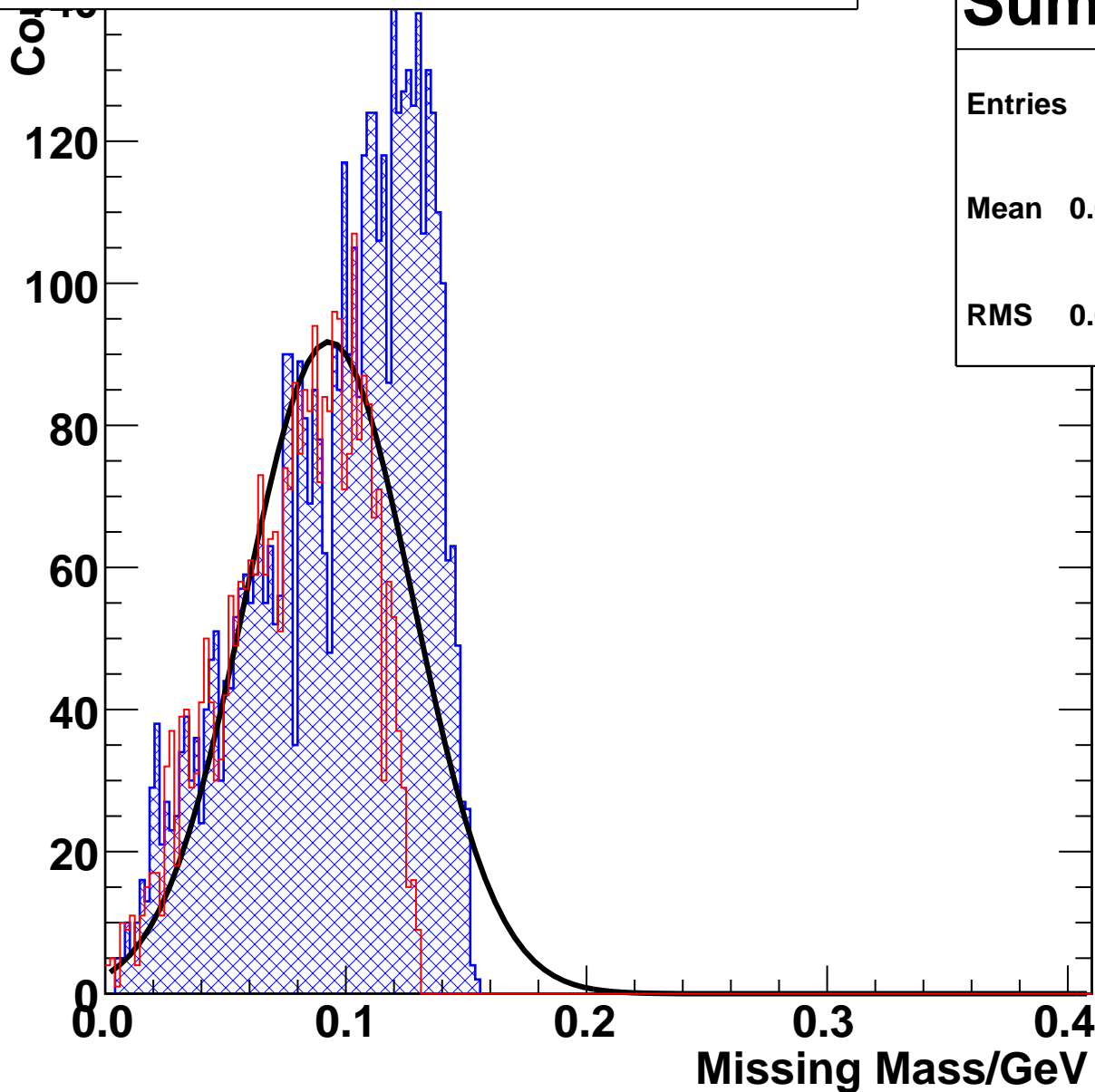


**L.tr.vz****asdf****Entries 1040778****Mean 0.01161****RMS 0.03289**





# Missing Mass Corresponding to W Selection



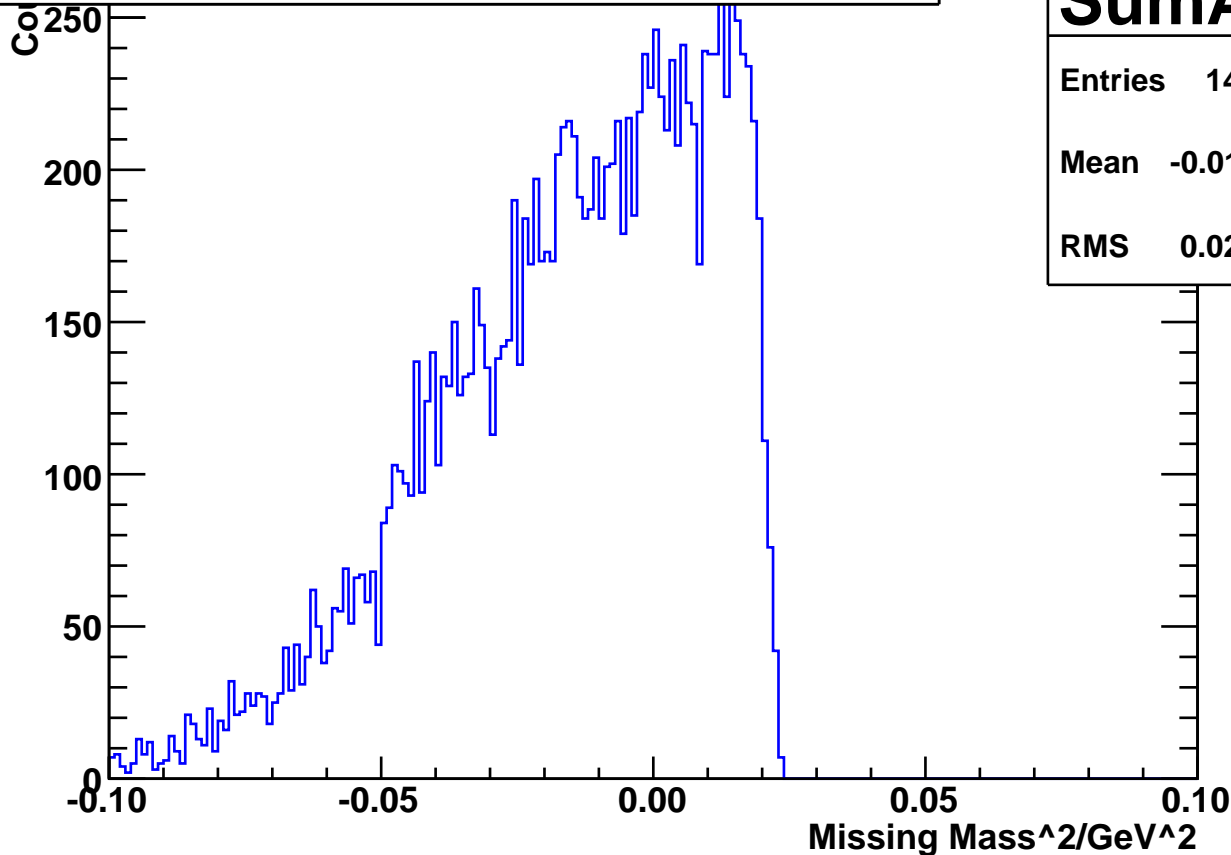
## SumAll

Entries 3114

Mean 0.08279

RMS 0.02857

Missing Mass<sup>2</sup> (30ns in coincidence peak - 30ns out of coincidence peak)



# SumAll

Entries 14505

Mean -0.01109

RMS 0.02539

# Online Optics Summary

- ▶ With 2 fitted parameter, the model reaches
  - $\sigma=7.3$  mrad for out plane angle
  - $\sigma=5.9$  mrad for in plane angle
  - $\sigma=1.4\%$  for momentum
- ▶ Outside the elastic spot
  - Recognizing  $\text{Pi}^0$  Missing Mass Peak
  - Further approach needed to check momentum reconstruction
    - TDC
    - Sieve
    - Missing Mass Optimize

# Update on Spin Flip Control

- ▶ Moved to this project beginning this week
- ▶ CAMAC bus controller as a internet based IO card.

