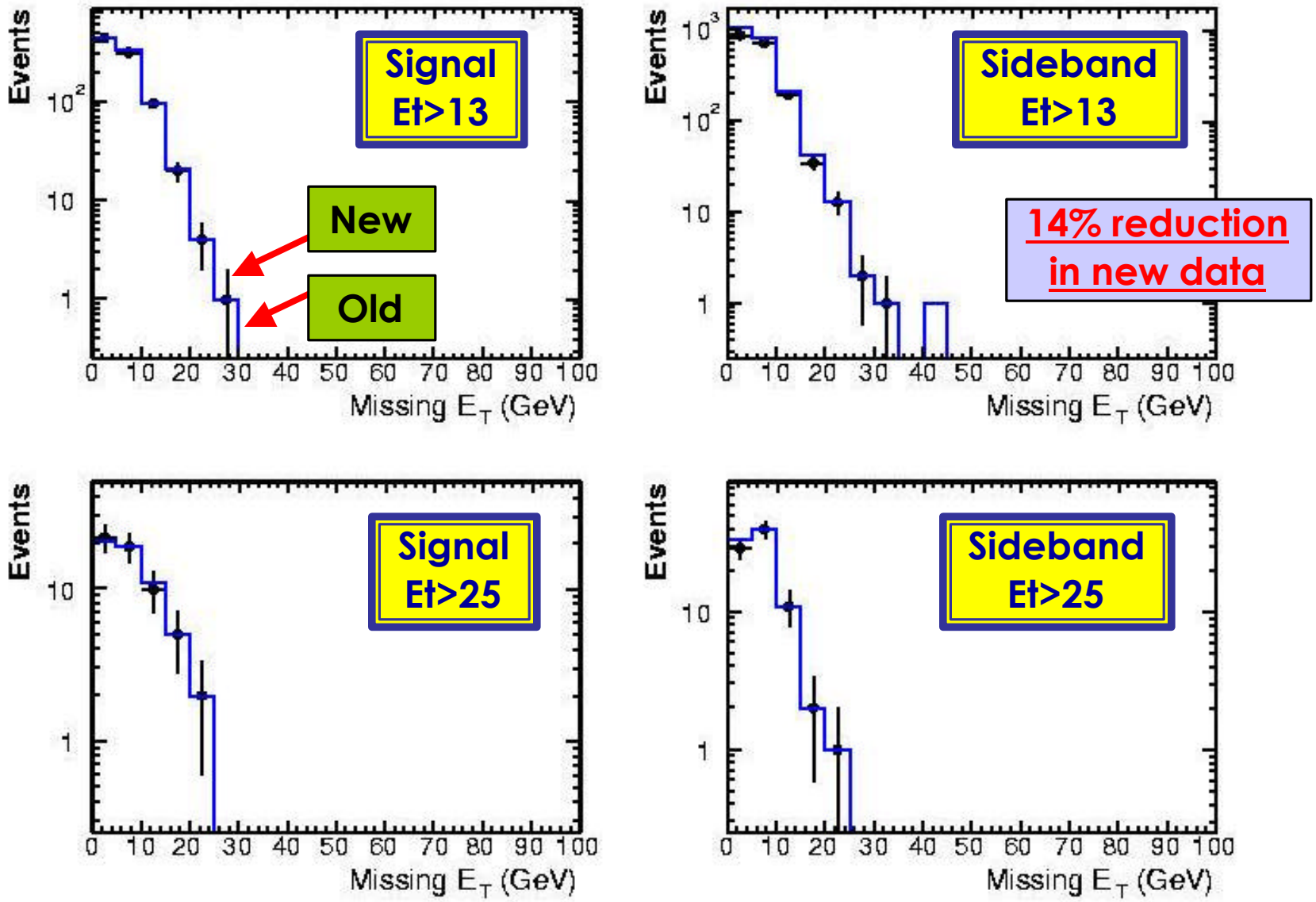
Current Status of Missing Et

R.Culbertson, D.H.Kim, M.S.Kim, S.W.Lee, D.Toback

Update of cph209 ntuples and effect on MET

- old post-shutdown data vs. new post-shutdown data
  1. Part. I : Data (signals and sidebands)
  2. Part. II : Z→ ee sample (passed "diphoton" trigger)
  3. MET offset in MET(x,y)
- post-shutdown data vs. pre-shutdown data

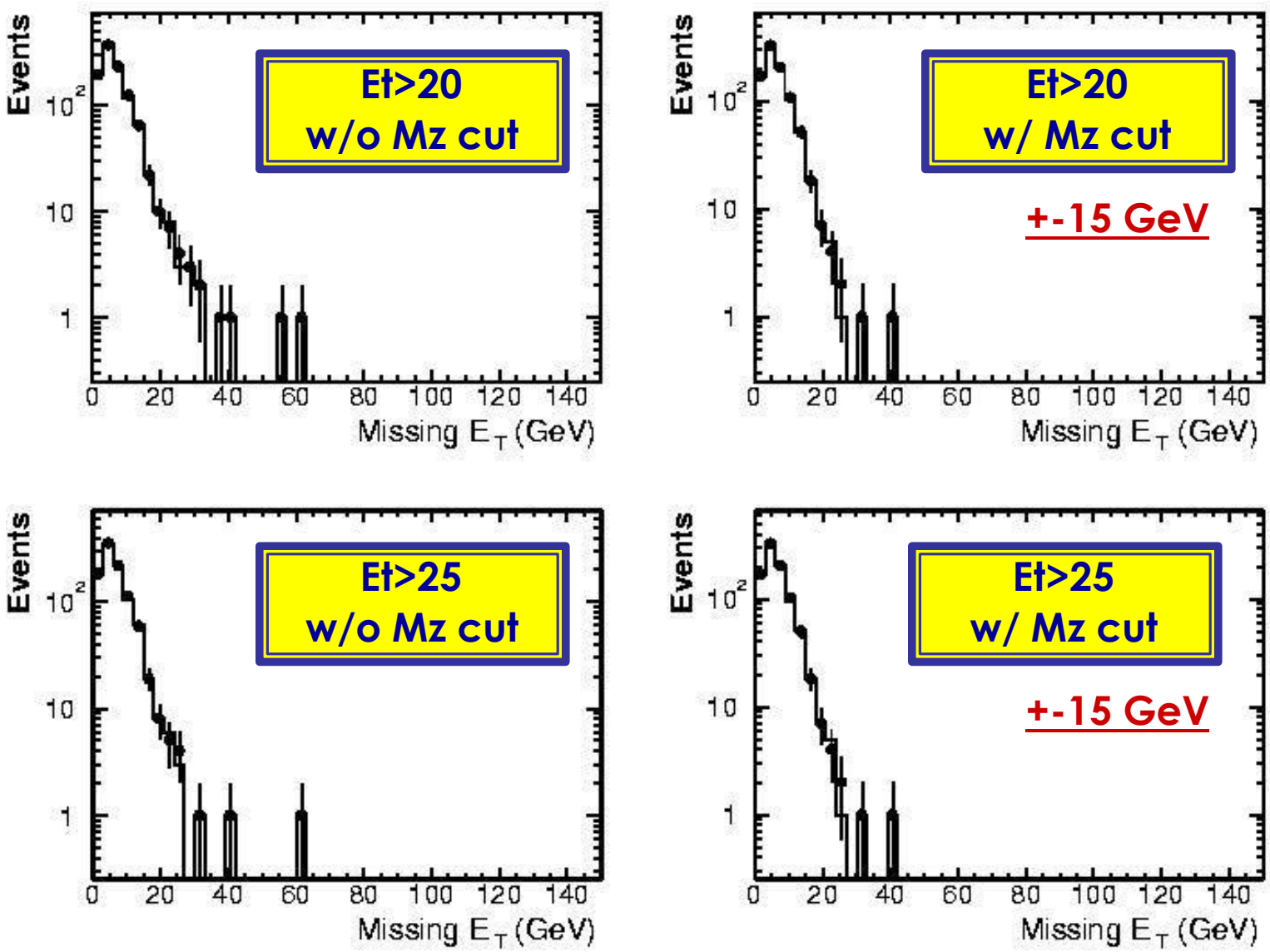
Postshutdown Data: Old vs. New



S.W. Lee

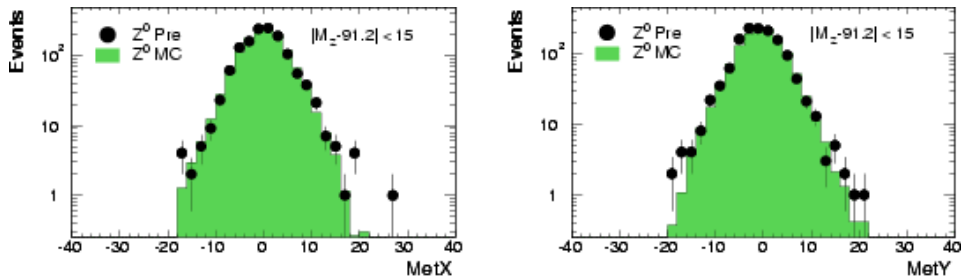
→ Larry's final SCL is included, changed some Et's and MET's

Postshutdown Z→ee: Old vs. New



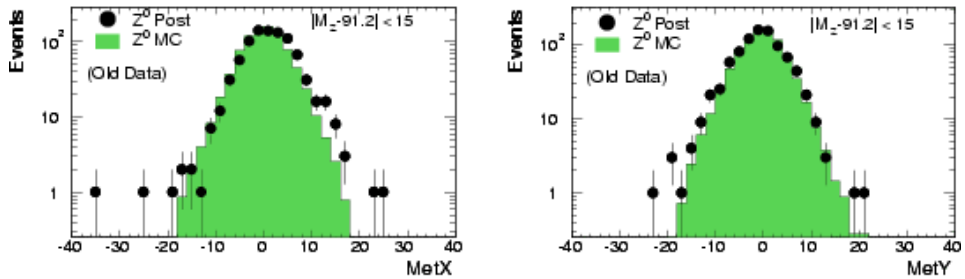
→ Data set from Diphoton Trigger (Post-shutdown data)

Data(Pre) vs. Z→ee MC



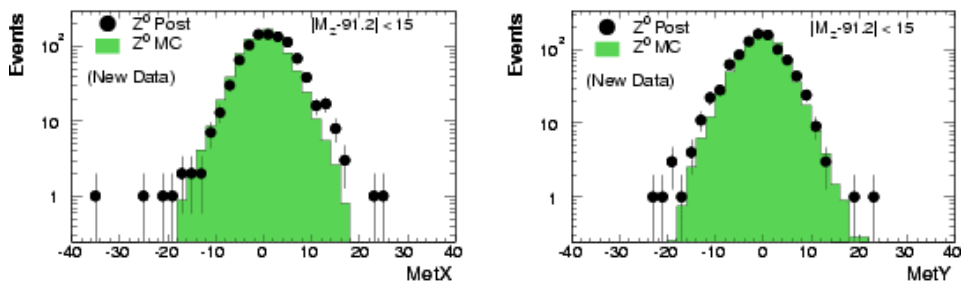
good

Data(old-Post) vs. Z→ee MC

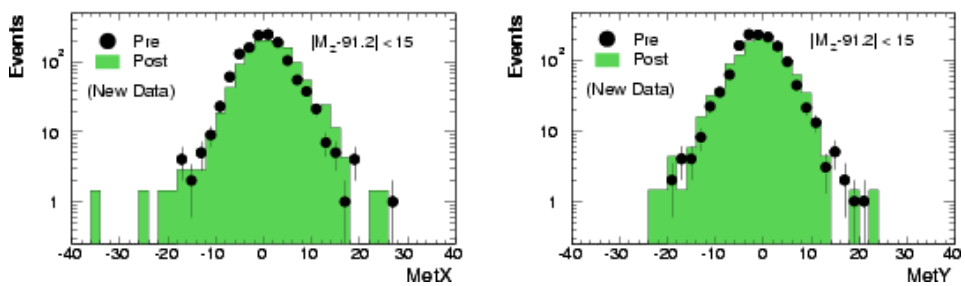


???

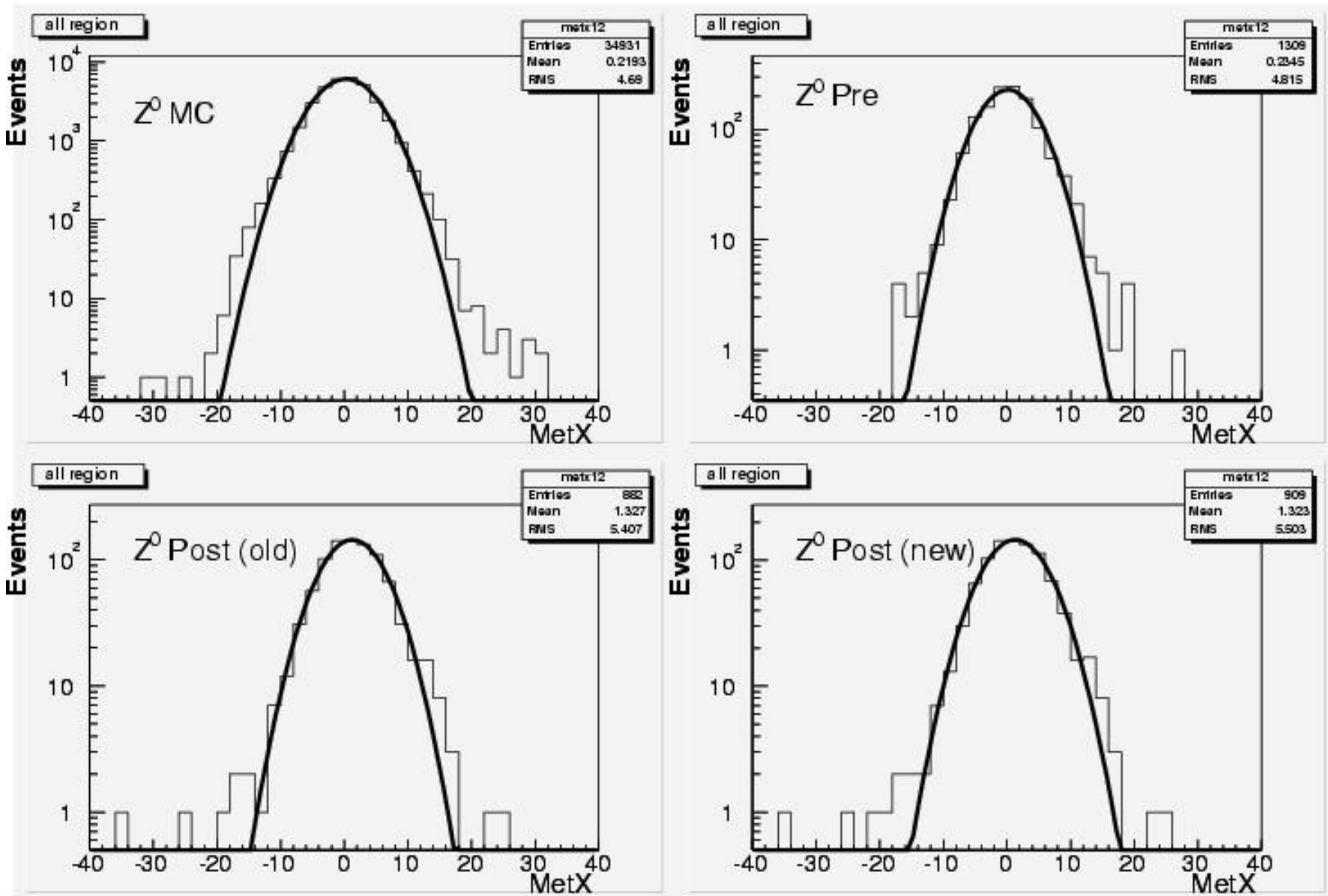
Data(new-Post) vs. Z→ee MC



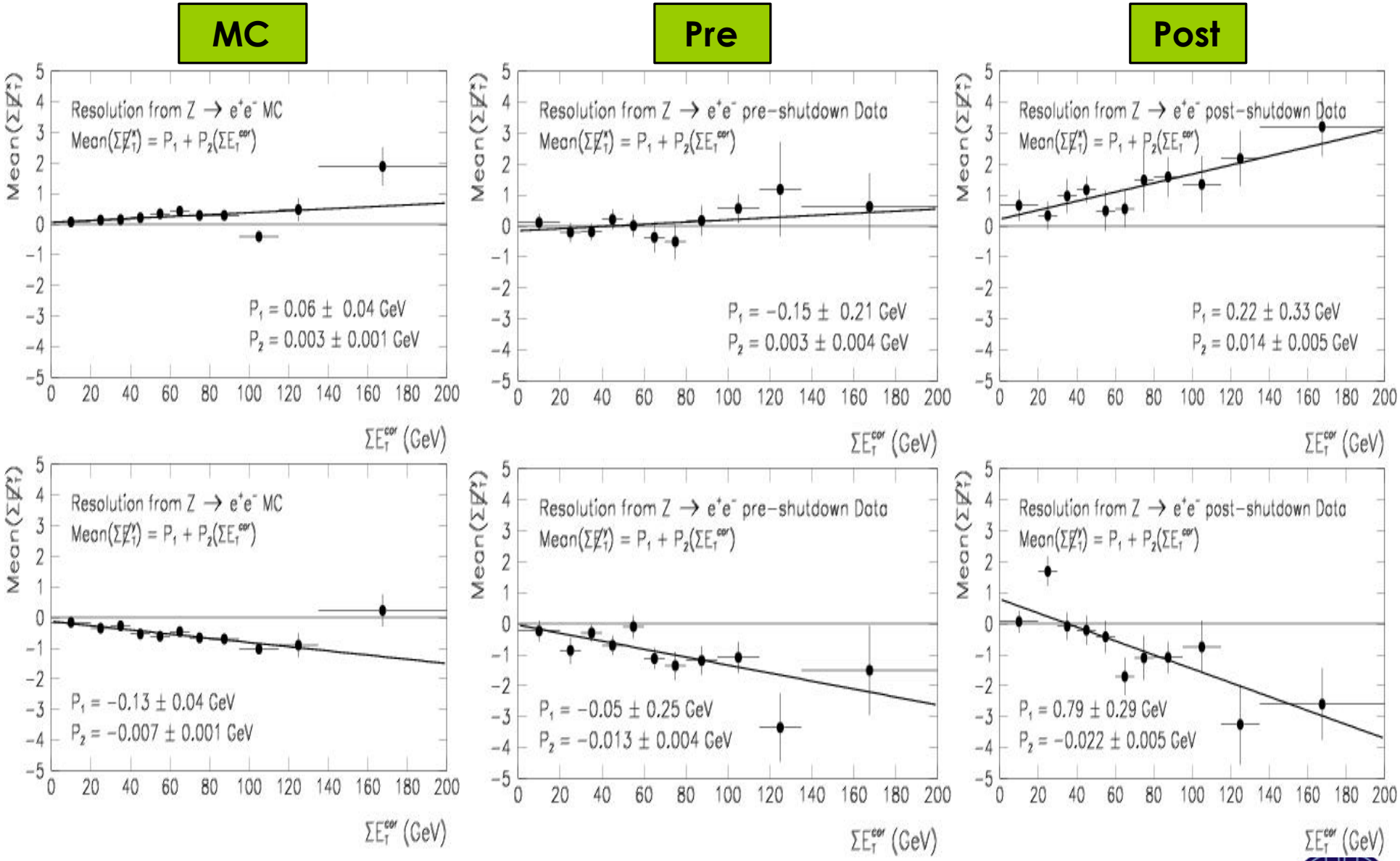
Data(Pre) vs. Data(post)



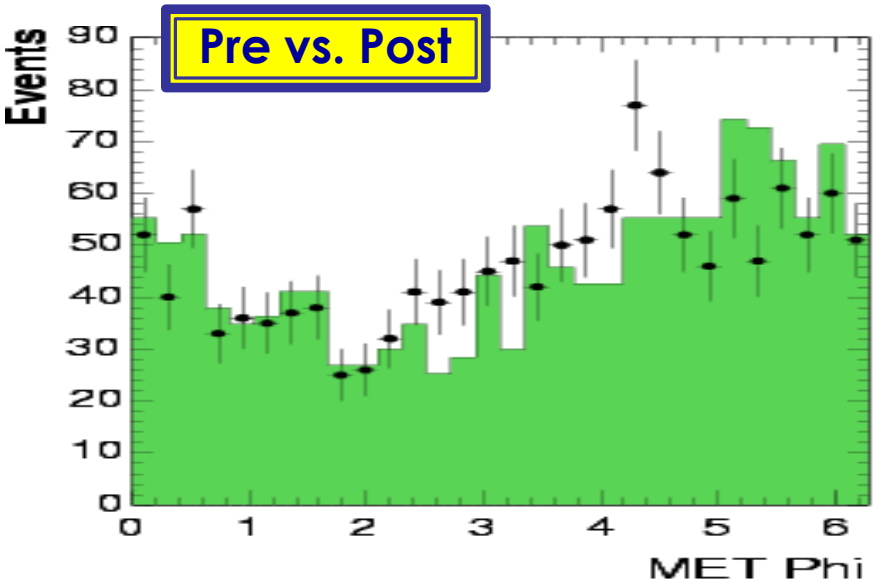
MET_X for Z's on log scale to show tails

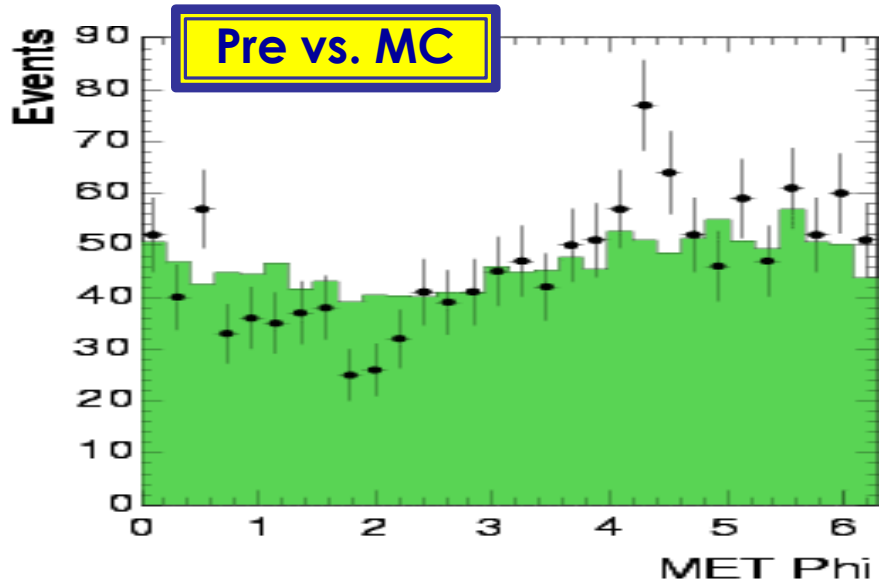


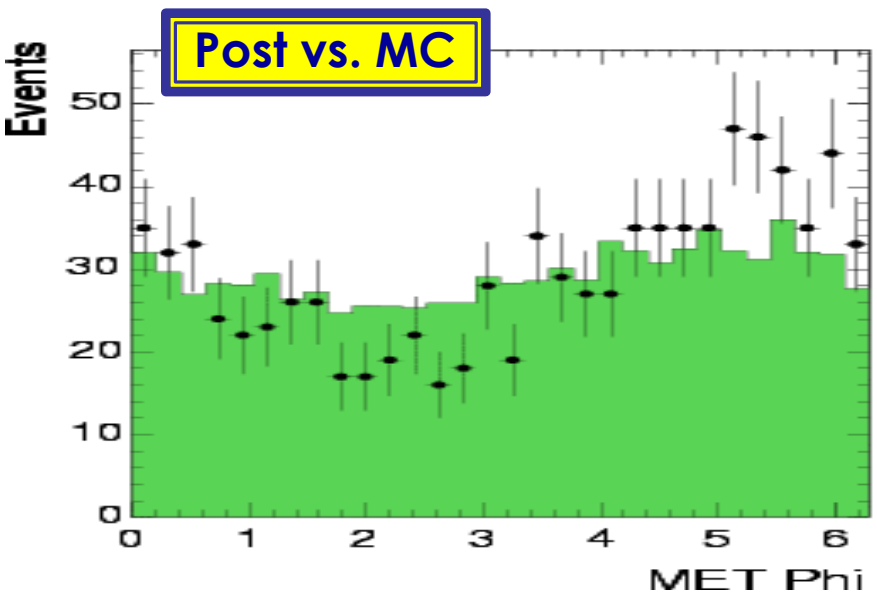
MET offset in MET(x,y)

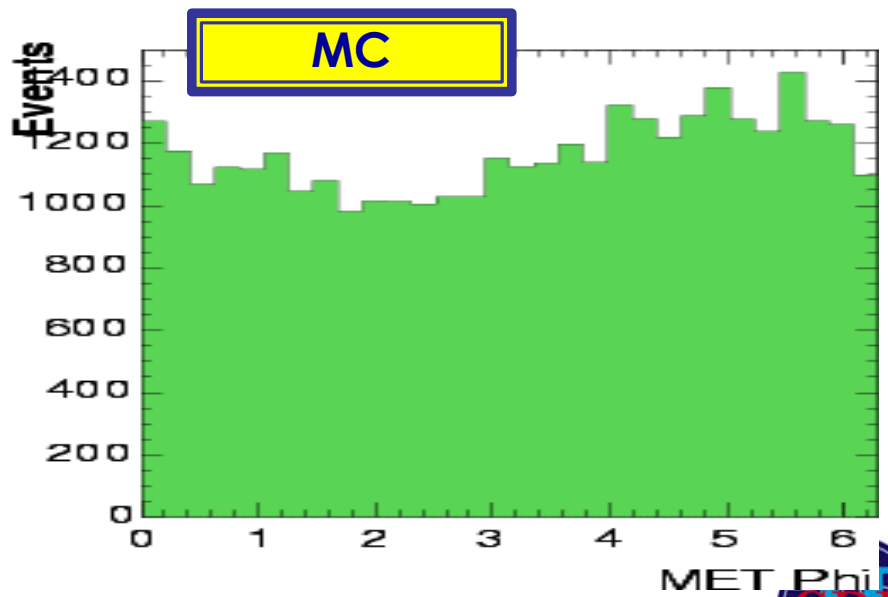


MET phi Distributions

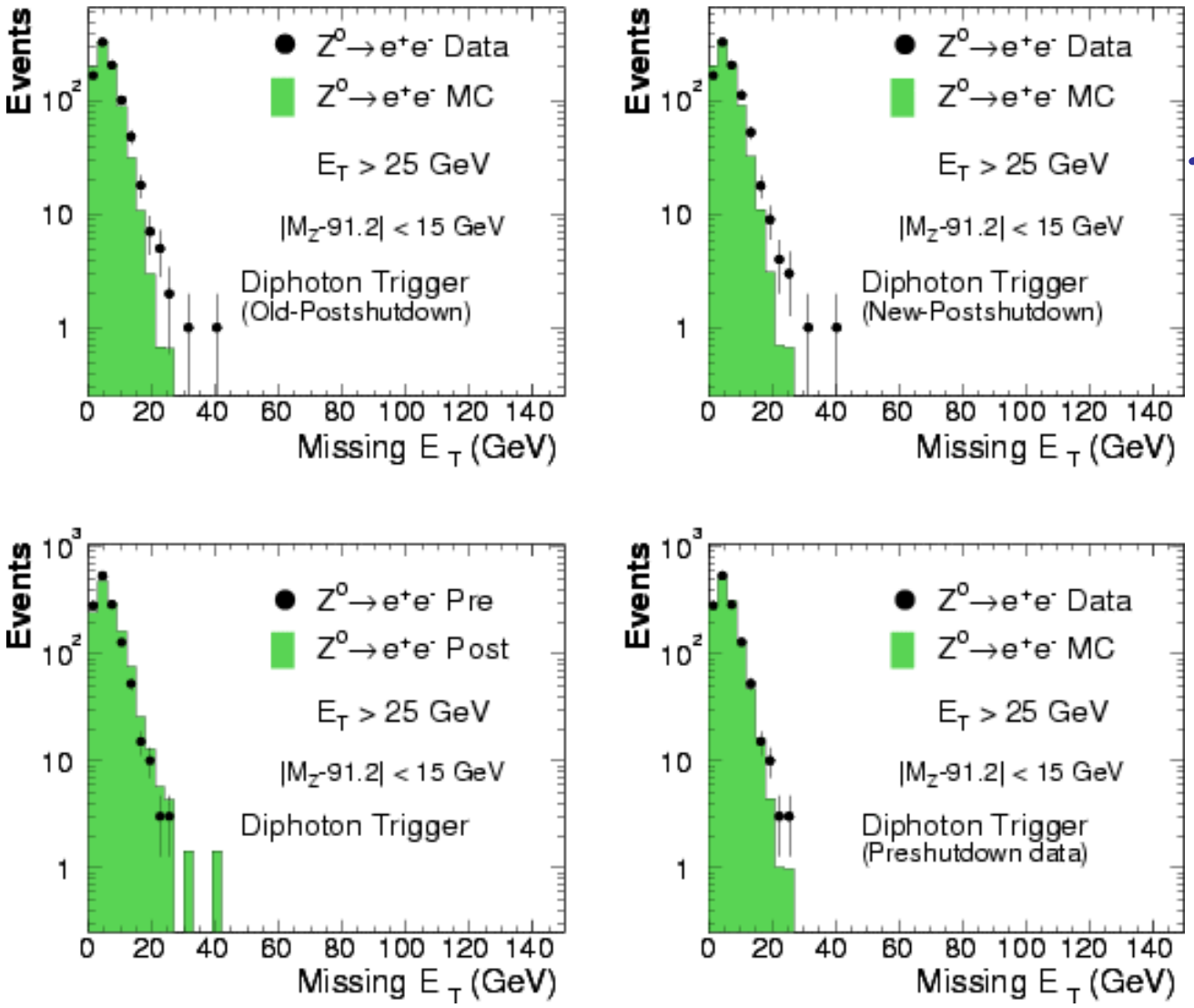




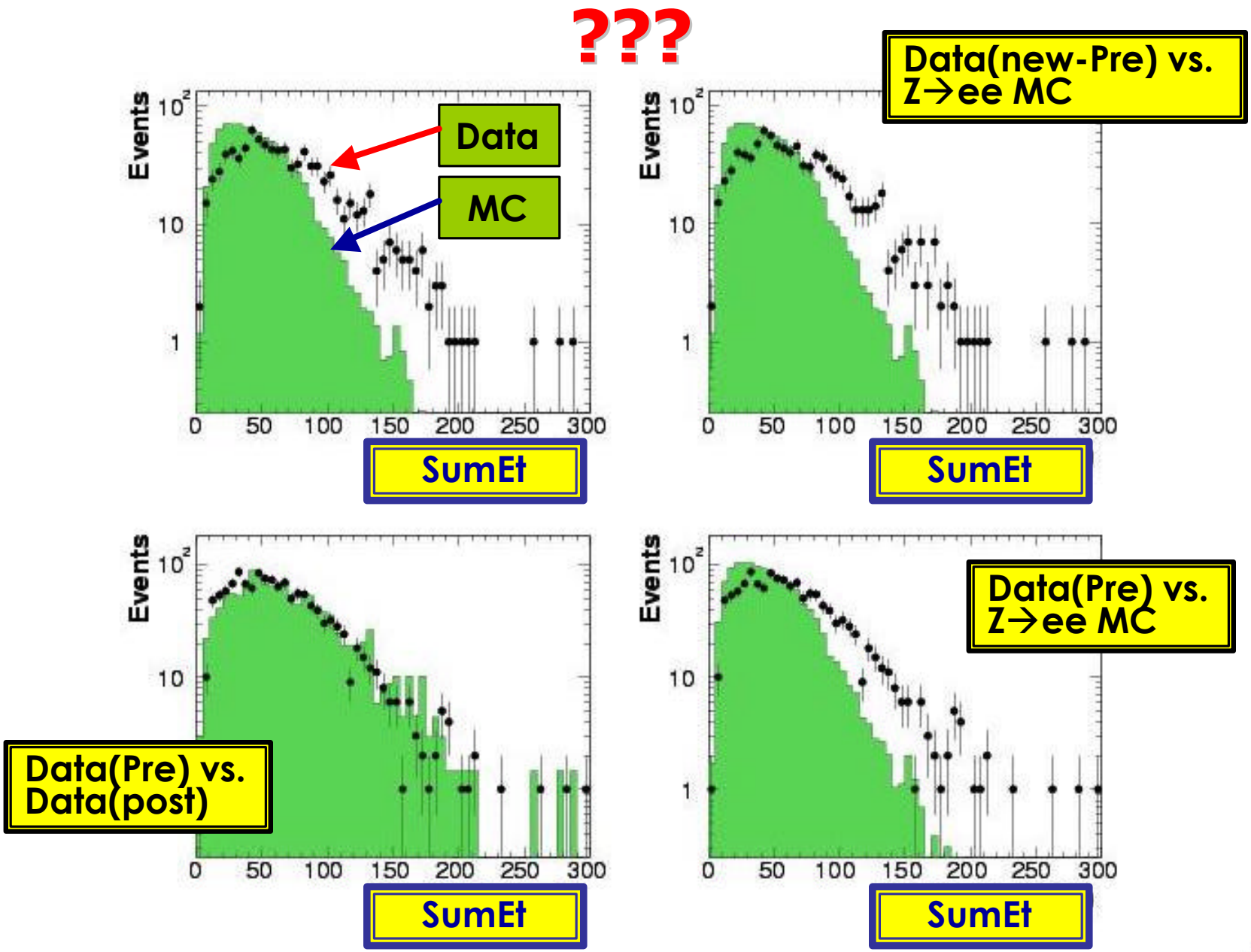




Missing ET Distributions using Z→ee



Larry's final SCL does not help!!

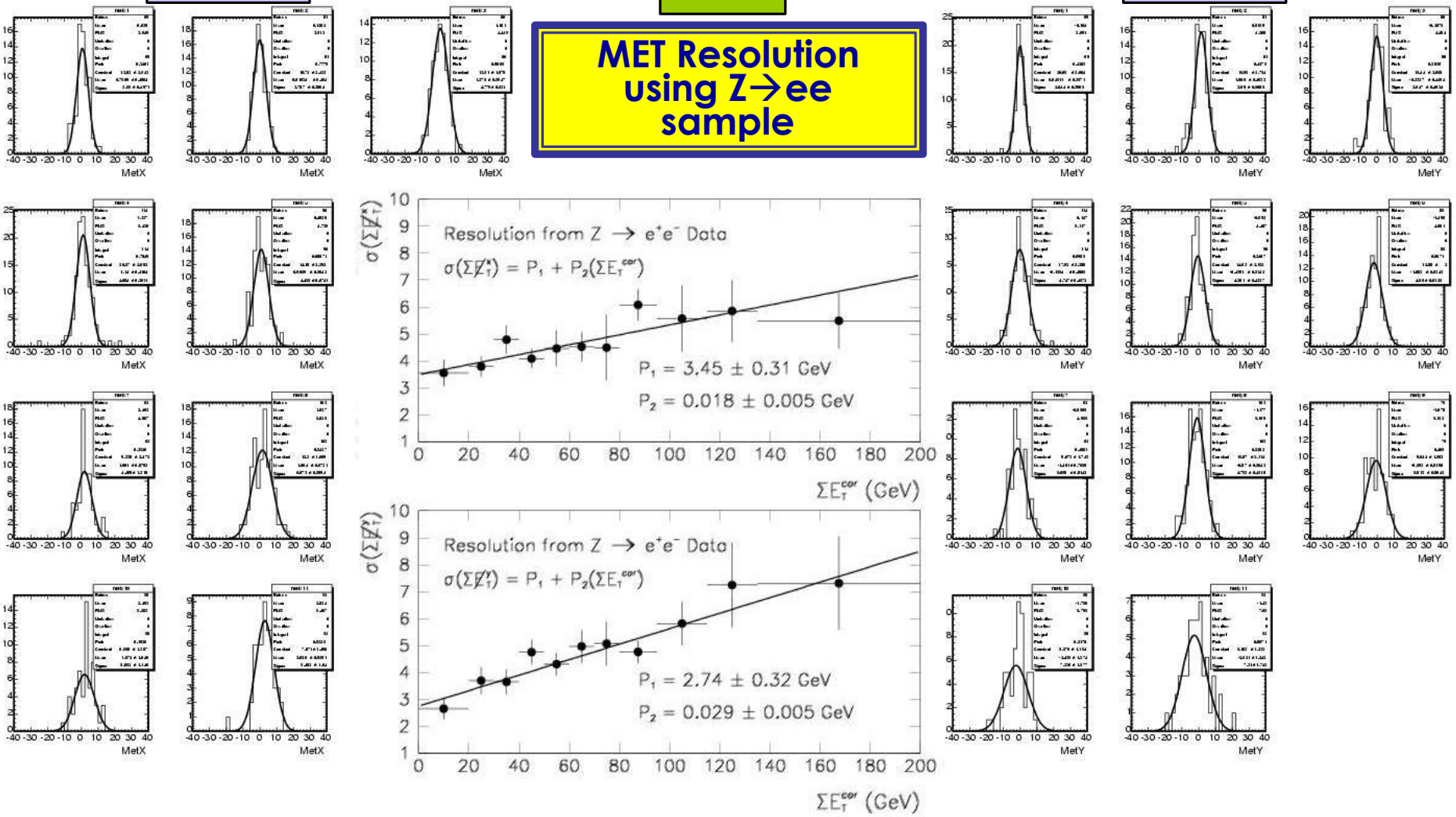

???
Data
MC
Data(new-Pre) vs. Z→ee MC
Data(Pre) vs. Data(post)
Data(Pre) vs. Z→ee MC
Events
SumEt

MET(x)

Old

MET(y)

MET Resolution using Z→ee sample



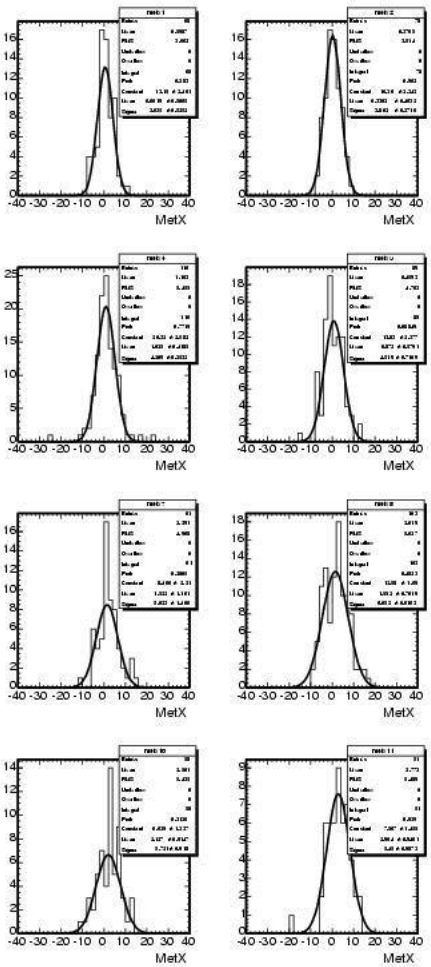
Step.1: Resolution on MET_X and MET_Y (Gaussian fit)
Step.2: MET resolution as a function of "corrected SumEt"

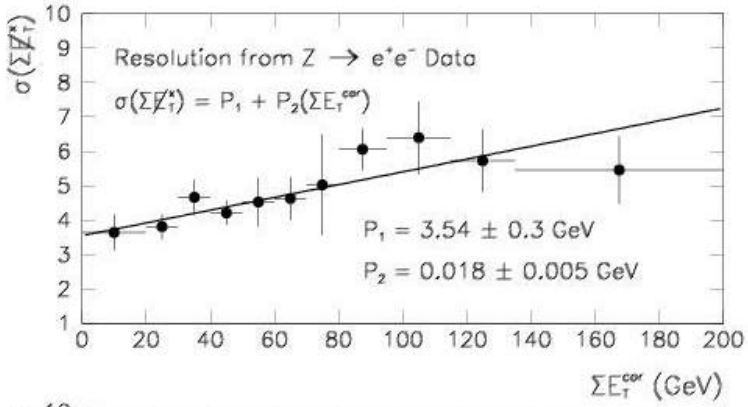
MET(x)

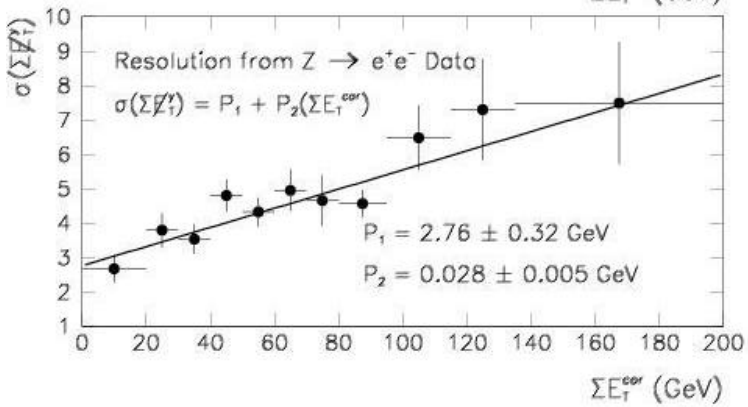
New

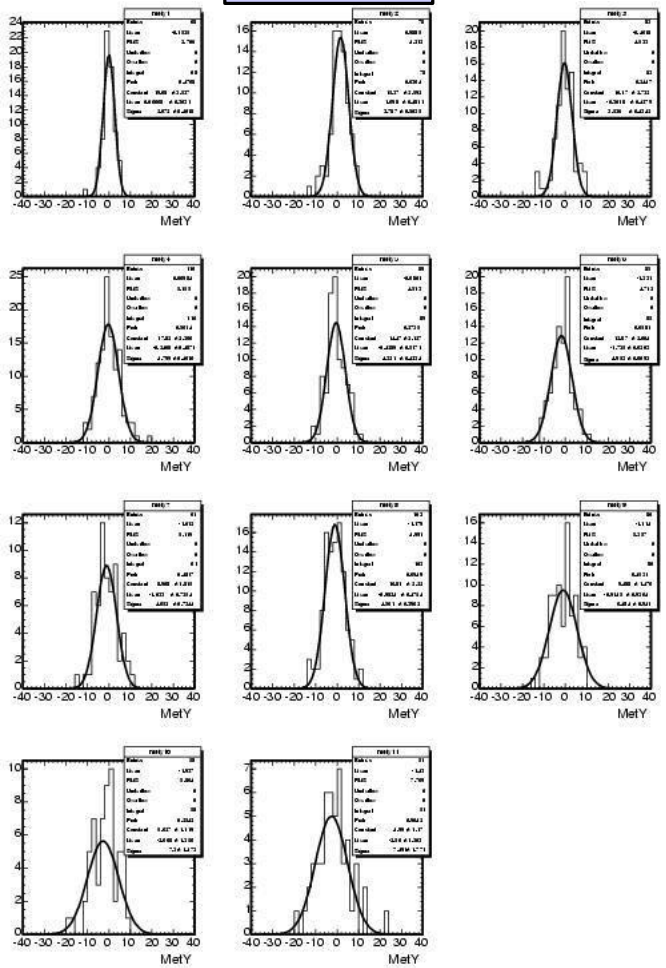
MET(y)

MET Resolution using Z→ee sample









Step.1: Resolution on MET_X and MET_Y (Gaussian fit)
Step.2: MET resolution as a function of "corrected SumEt"