

# WWyy work status(3<sup>nd</sup> week)

for hh pair search

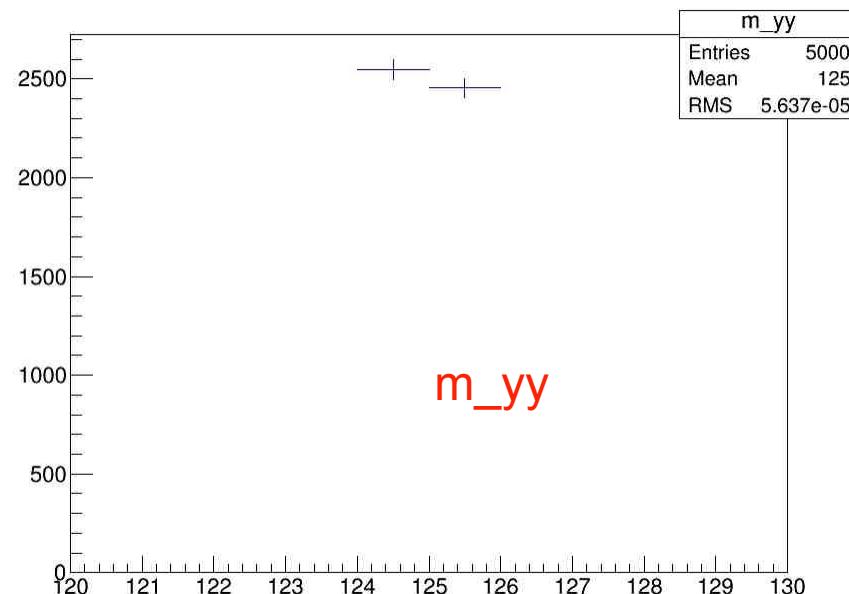
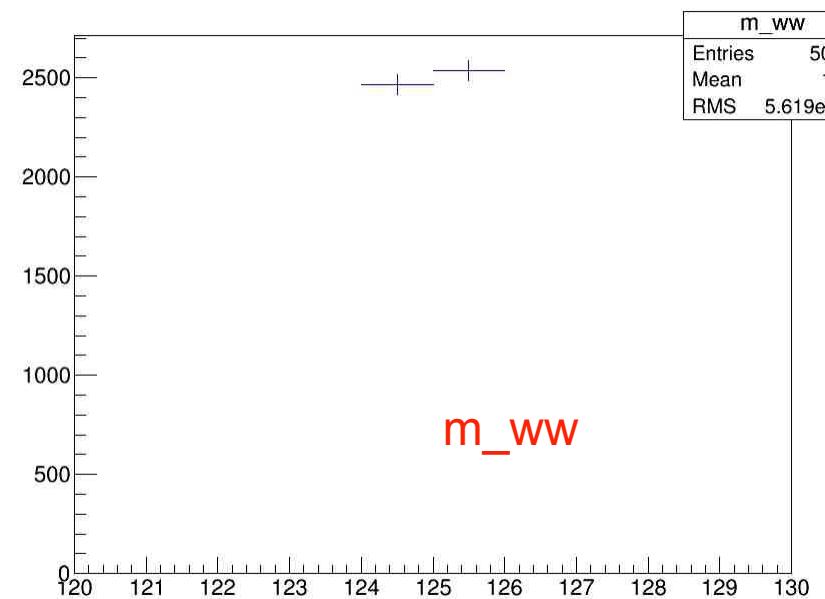
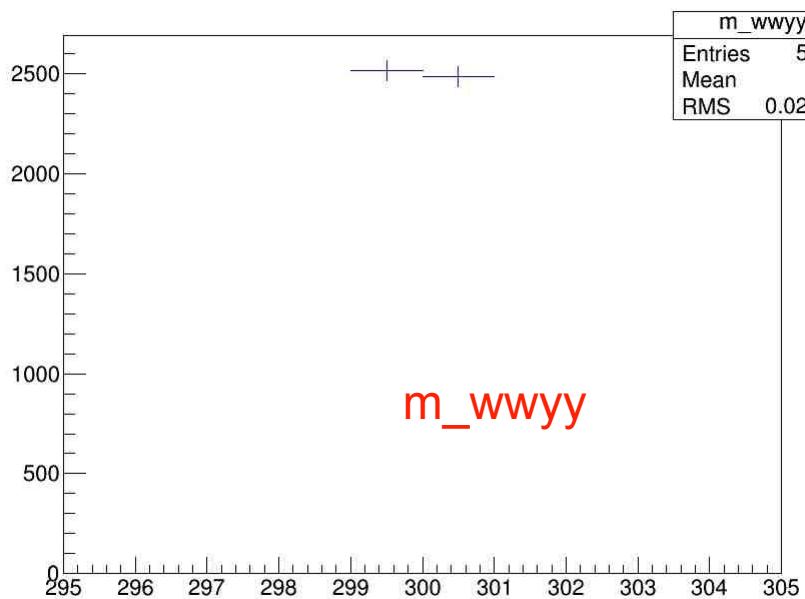
Maosen Zhou

# a little update

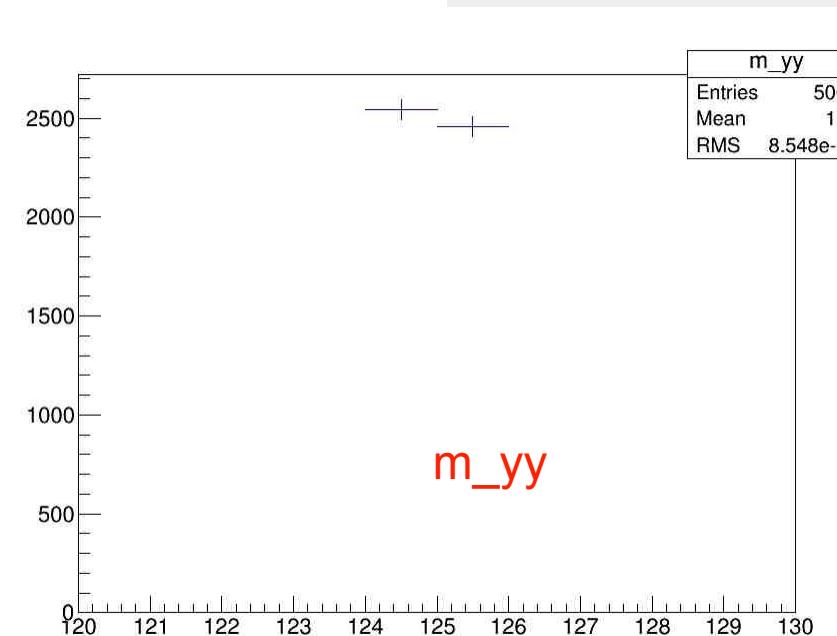
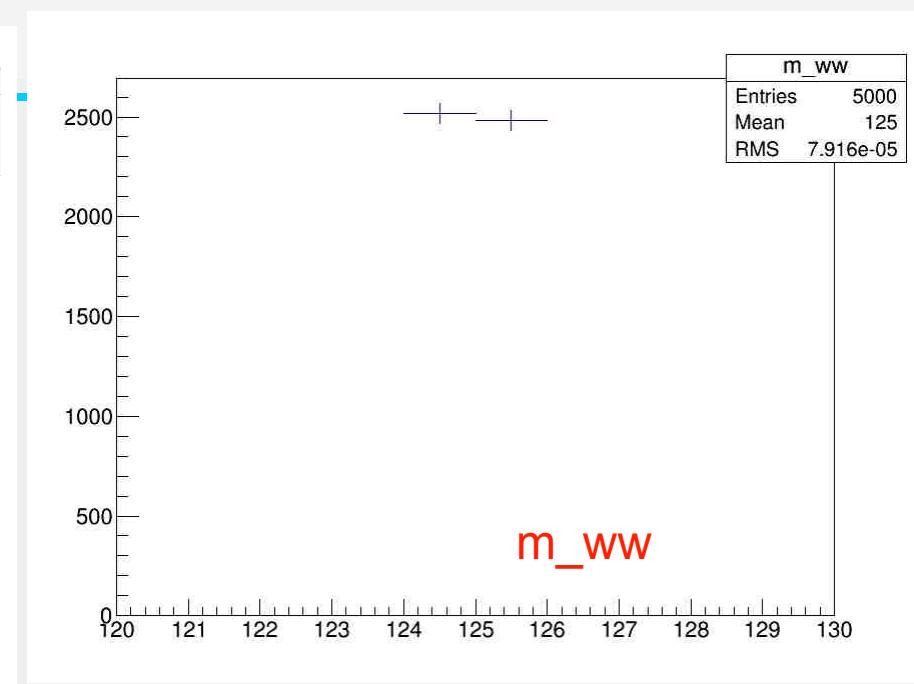
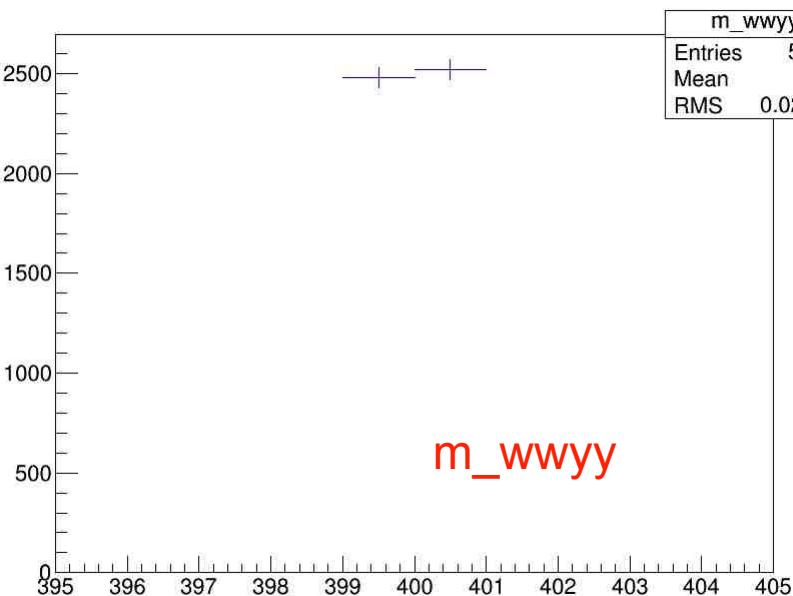
- ⌚ modified mass width to 10MeV for 400GeV mass point
- ⌚ increased bin width from 0.1GeV to 1GeV for inv\_mass plots
- ⌚ successful run for non-resonant model, and got validation plots
- ⌚ modified 'evgen.keywords', from 'diboson' to 'WW' in JO

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evgenConfig.keywords = ["SM", "SMHiggs", "nonResonant", "diphoton", "WW"]
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# H\_300GeV (width 10MeV)

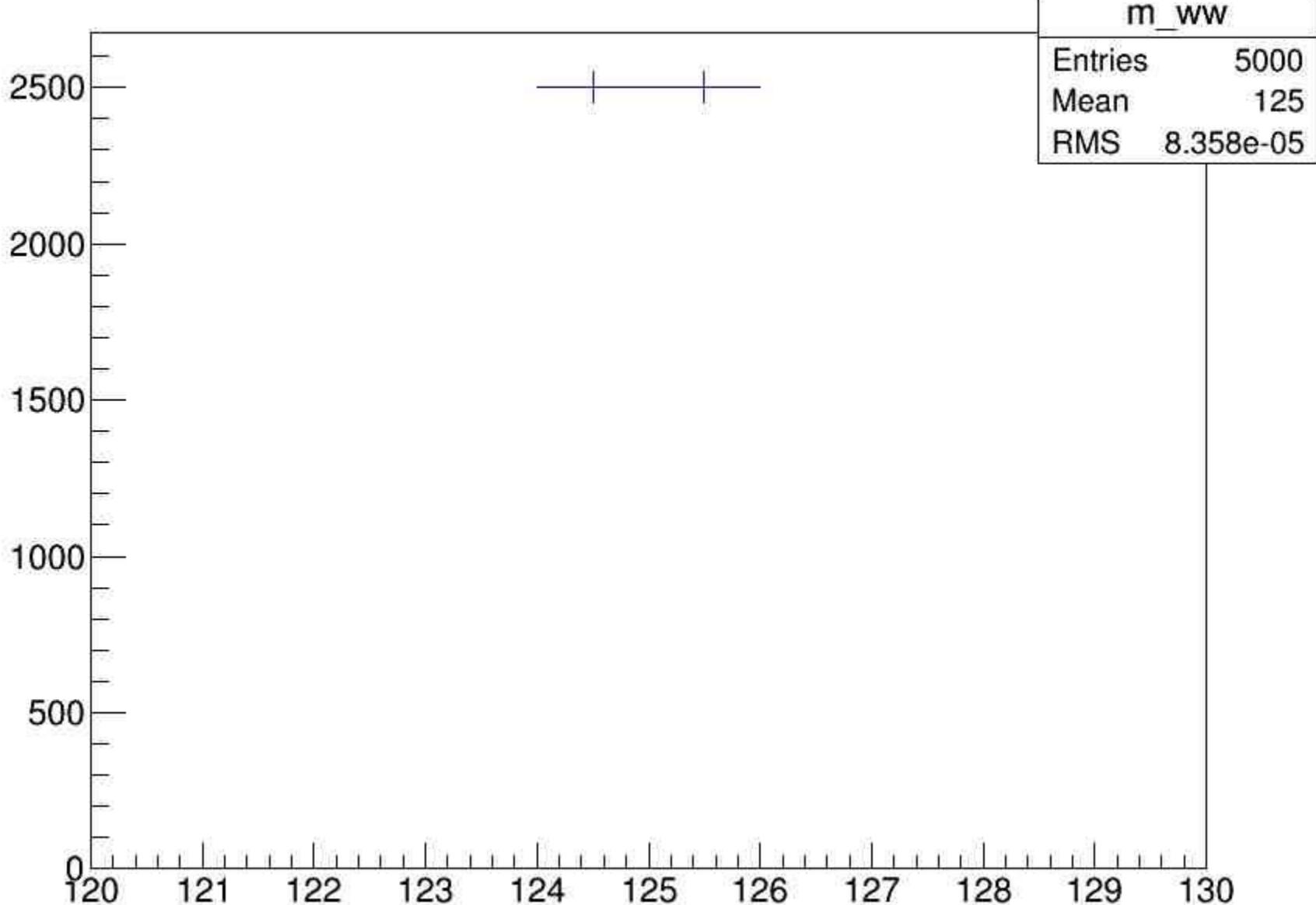


# H\_400GeV(width 10MeV)



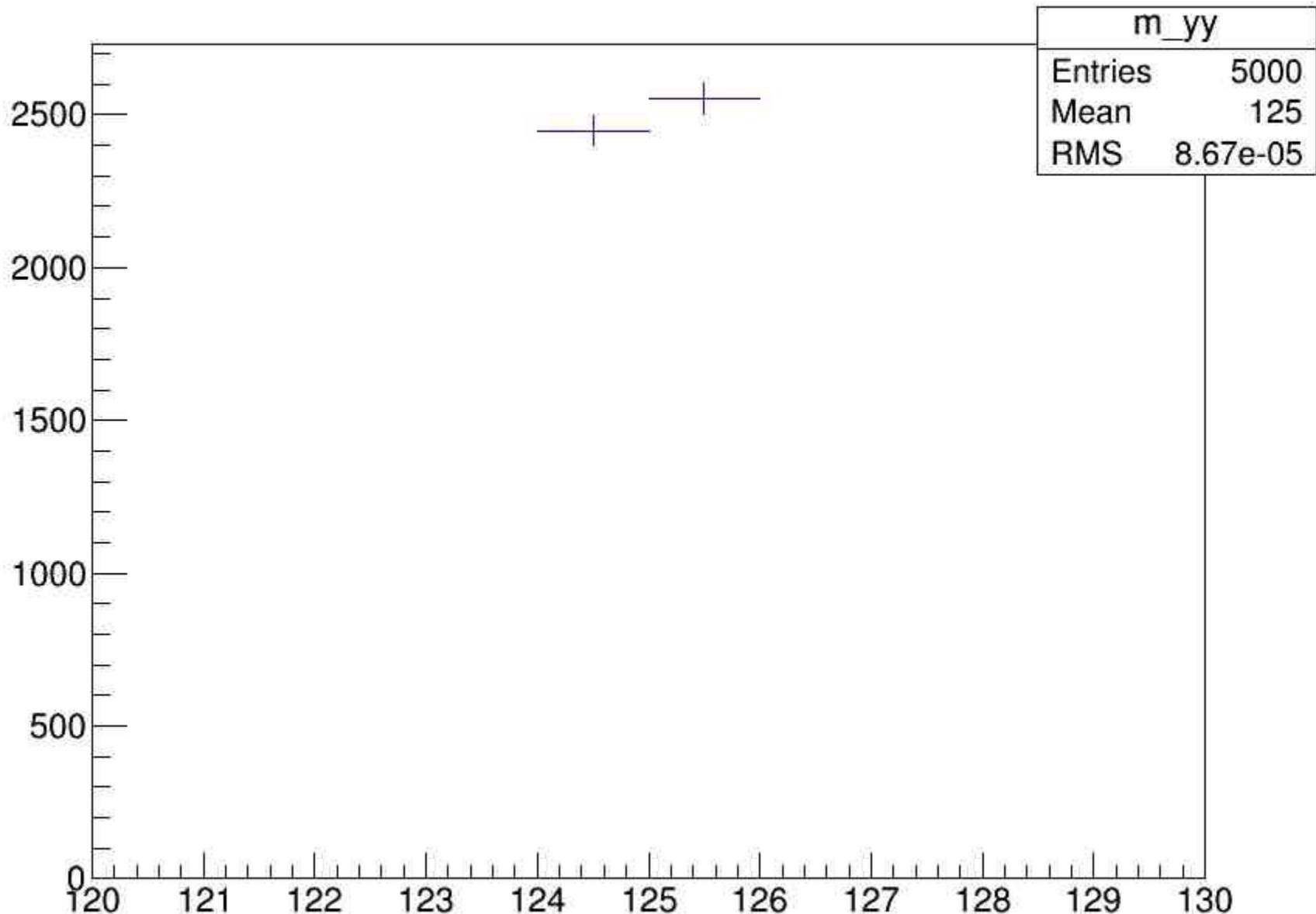
sm hh

m ww



sm\_hh

m\_yy



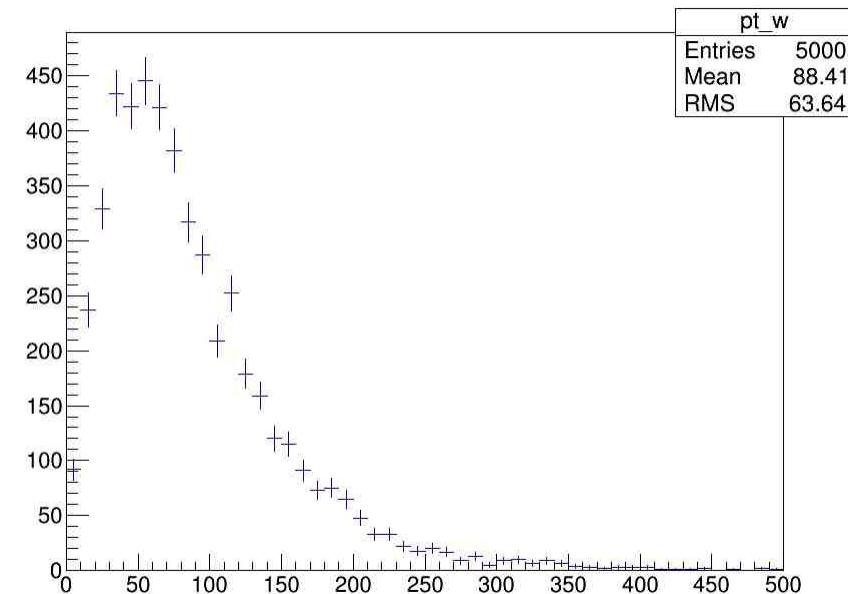
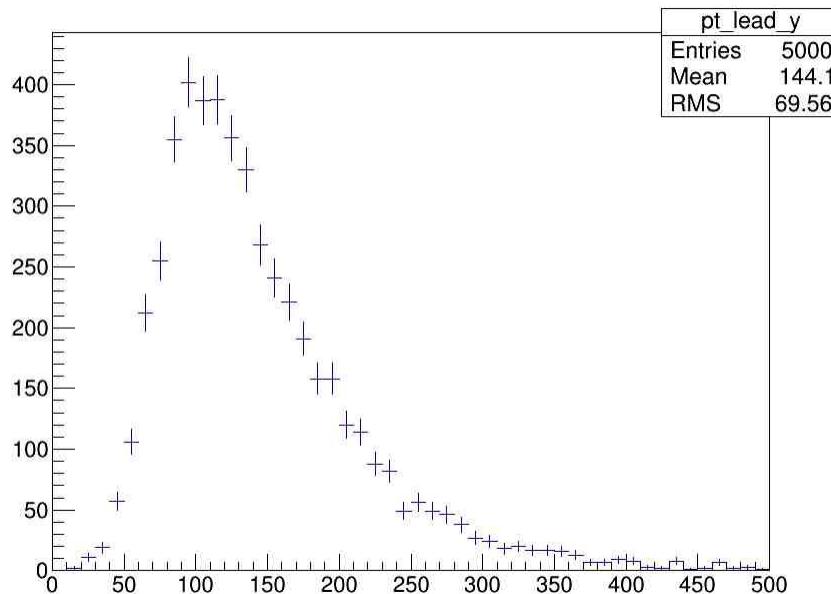
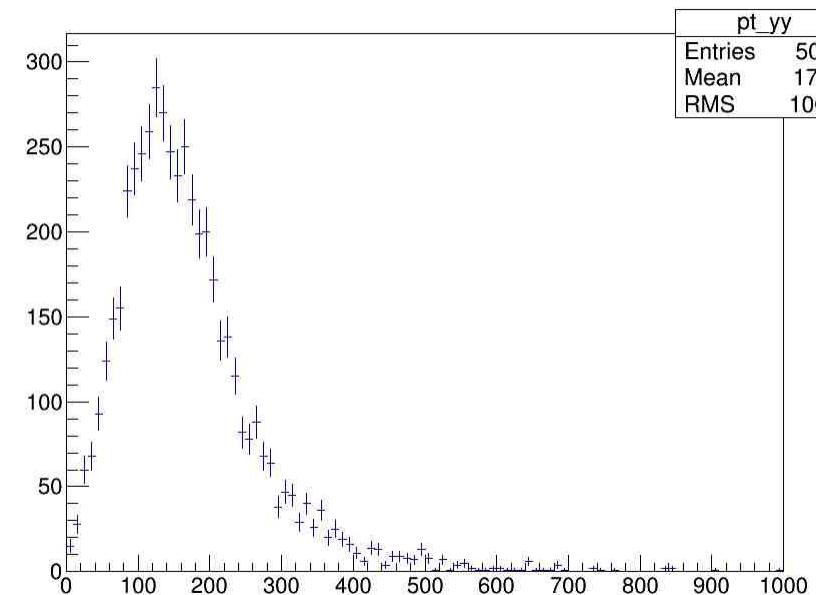
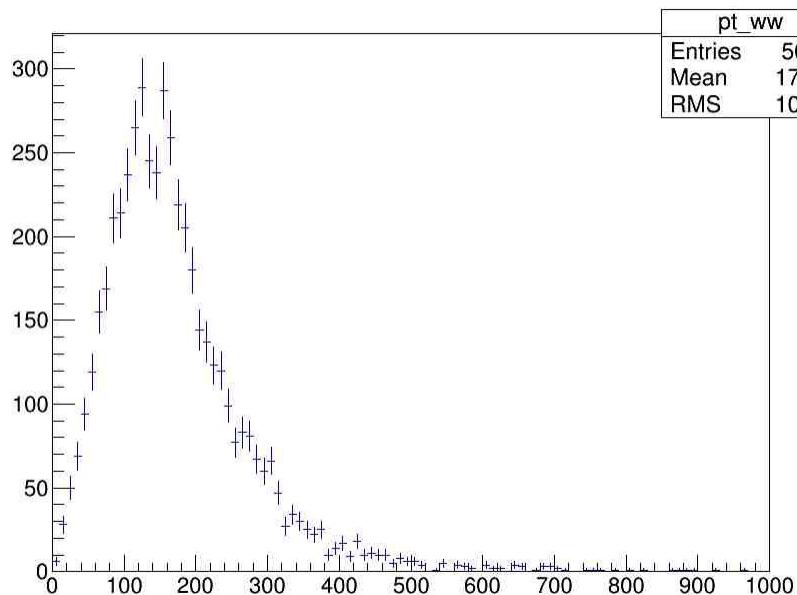
# Summary&To do

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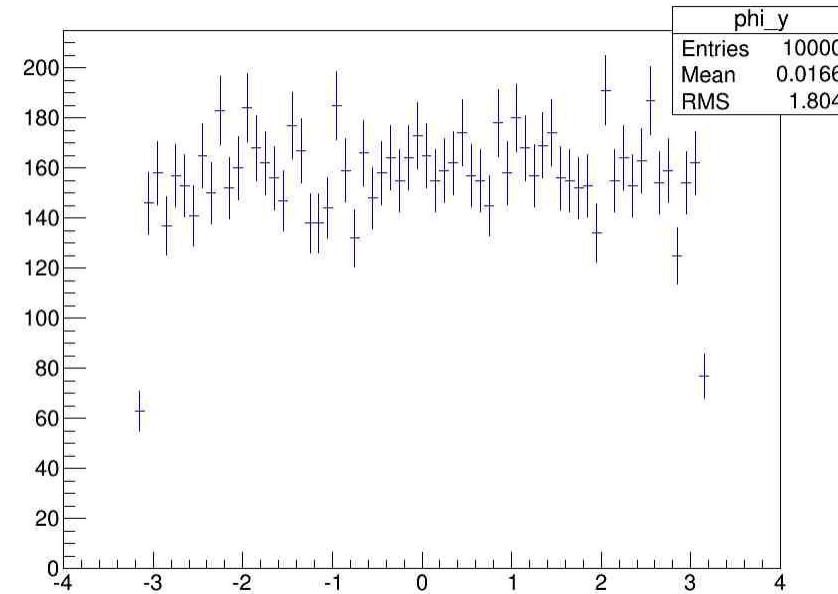
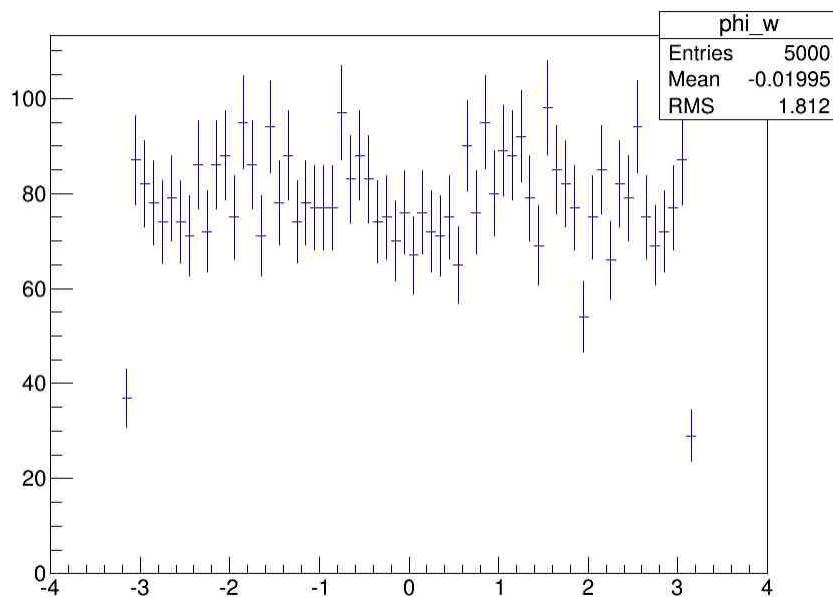
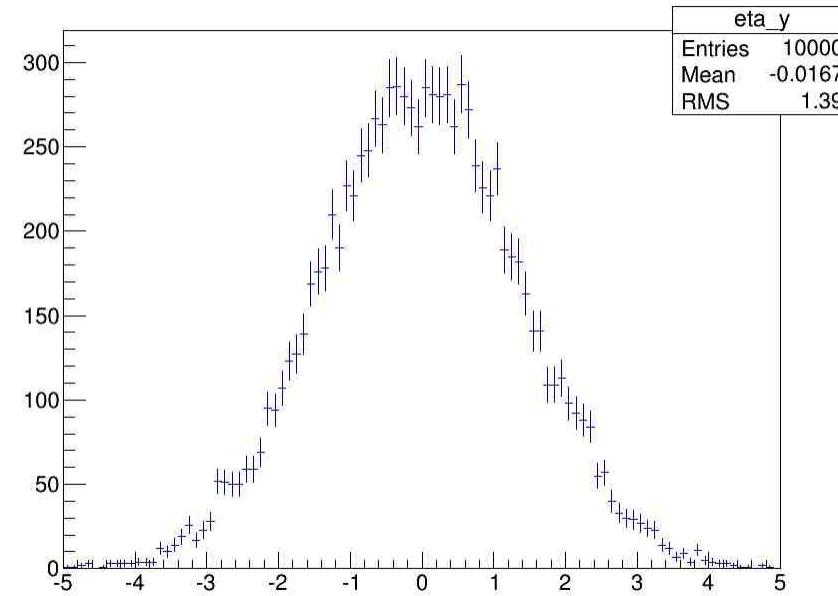
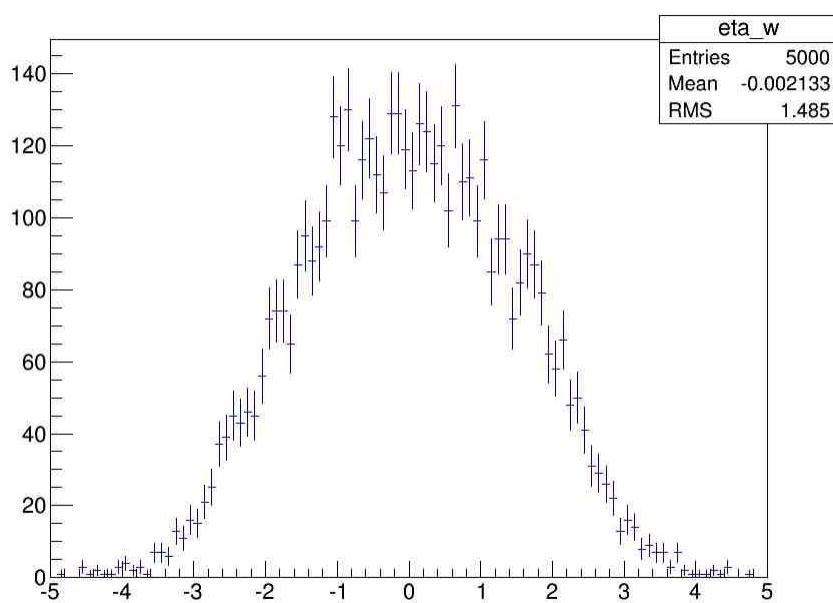
- ⌚ Although plots look good, better someone cross check JOs...
- ⌚ next, submit MC request on JIRA page?

# Backup

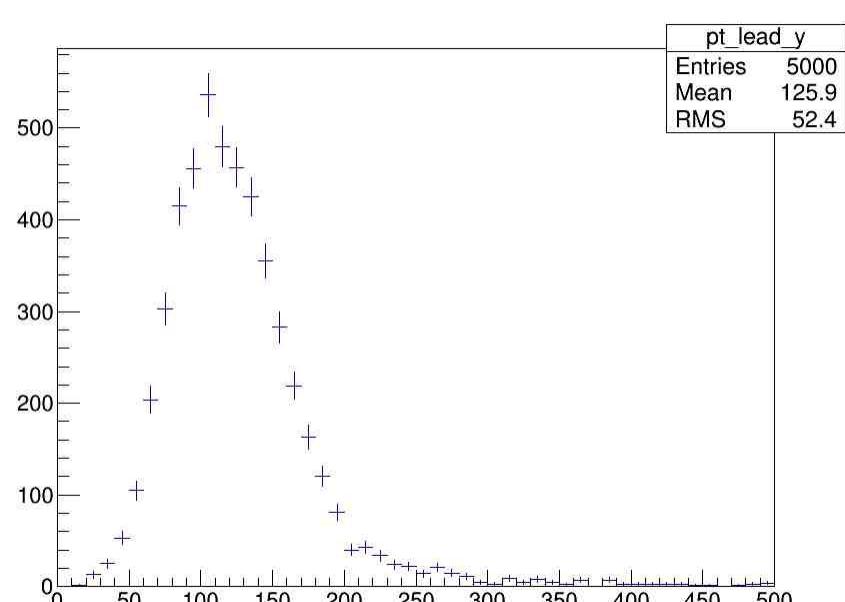
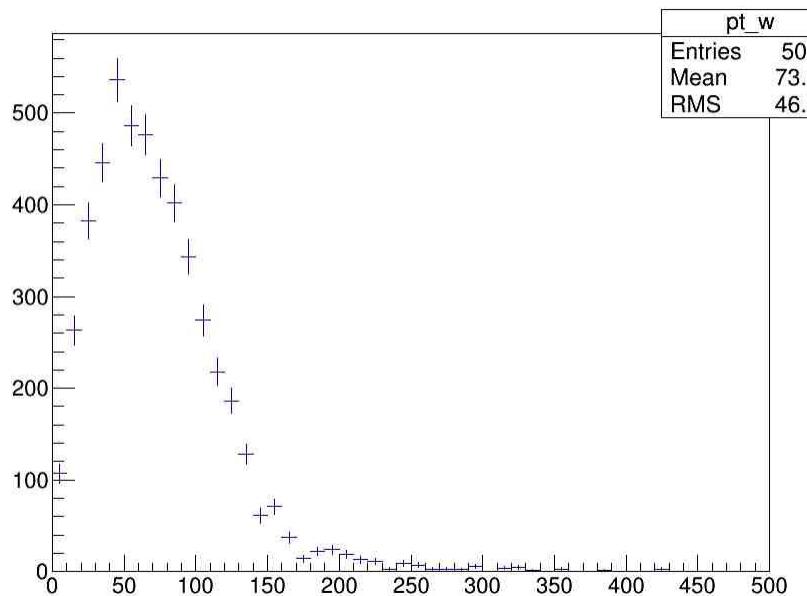
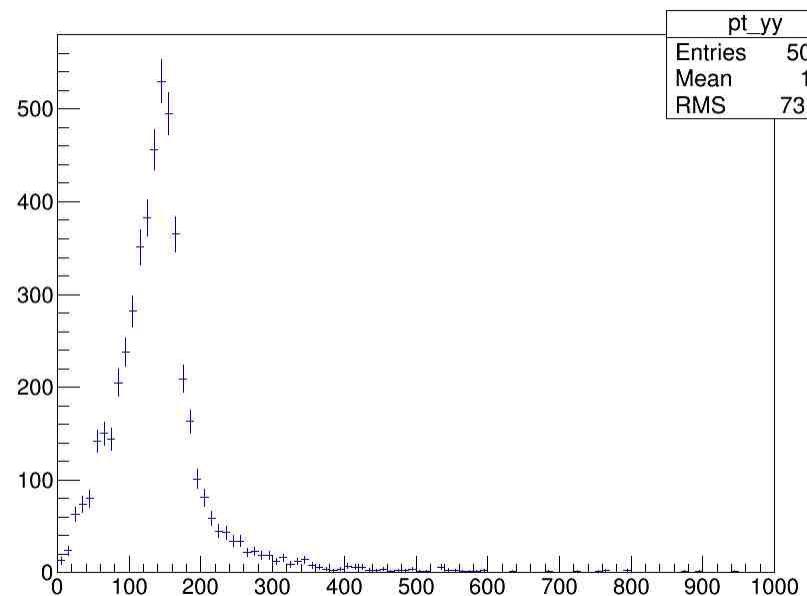
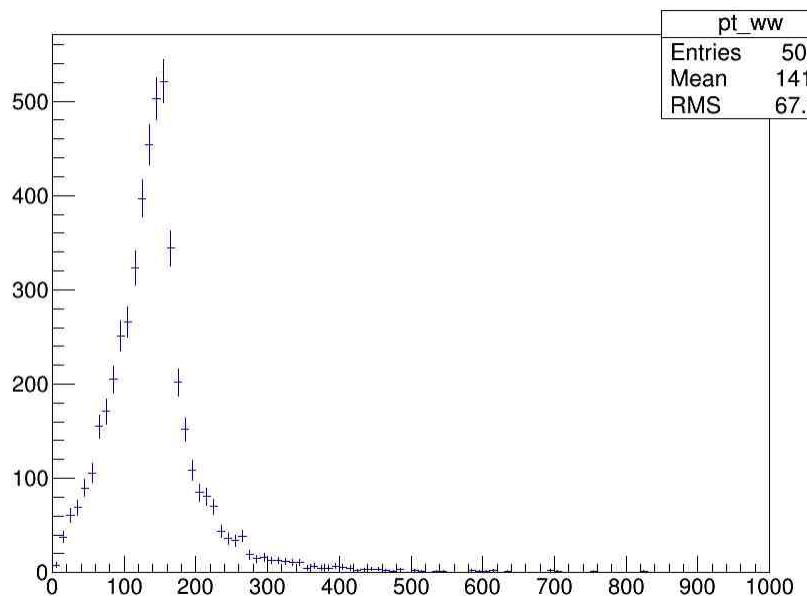
# 300GeV



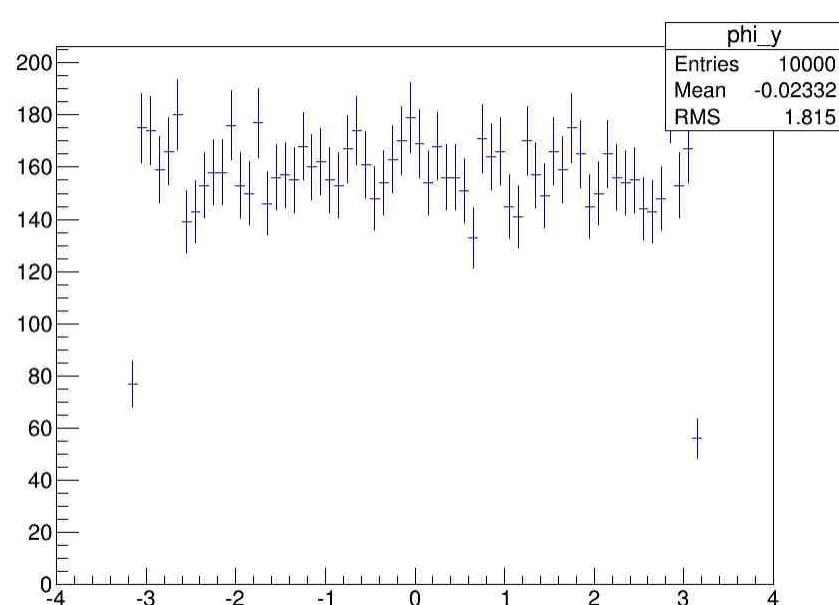
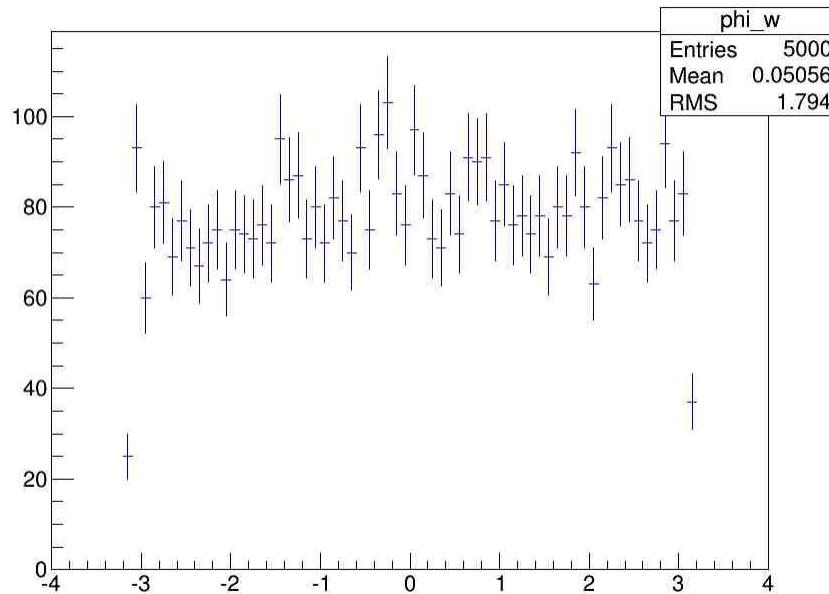
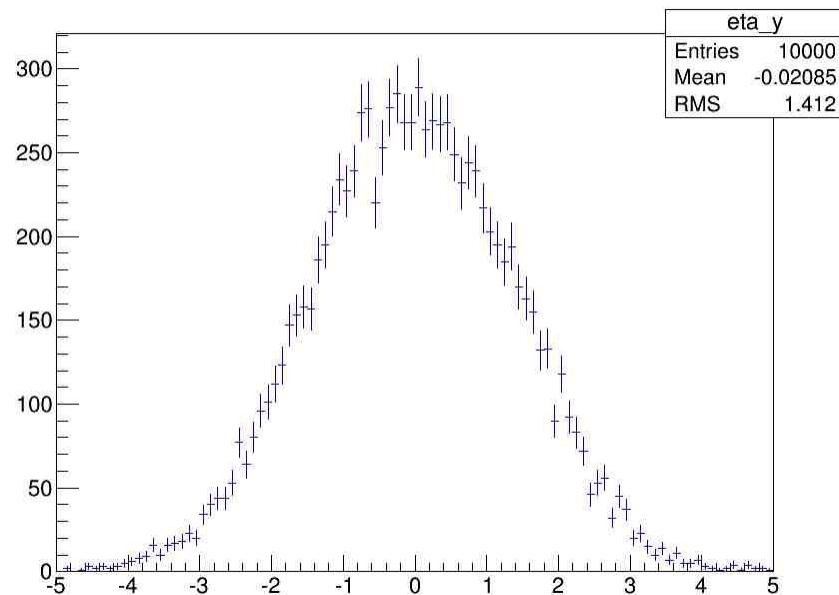
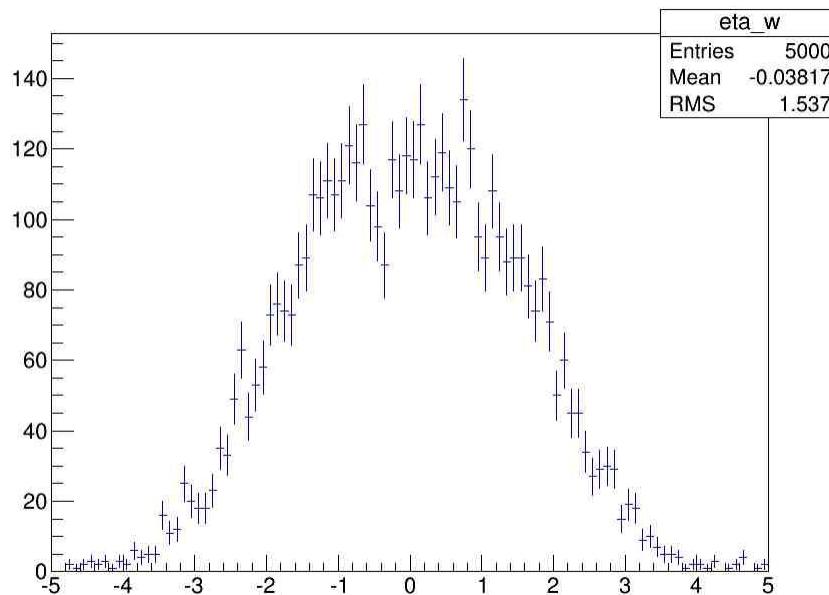
# 300Gev



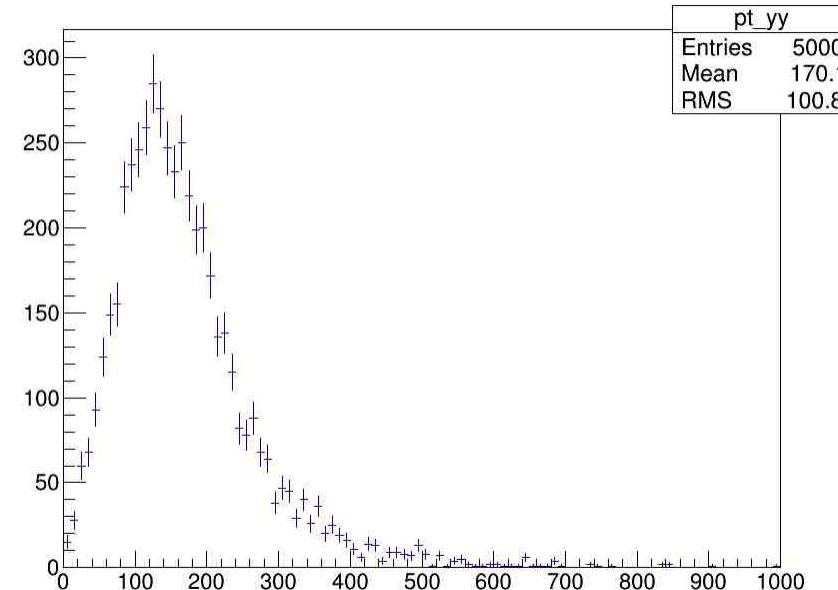
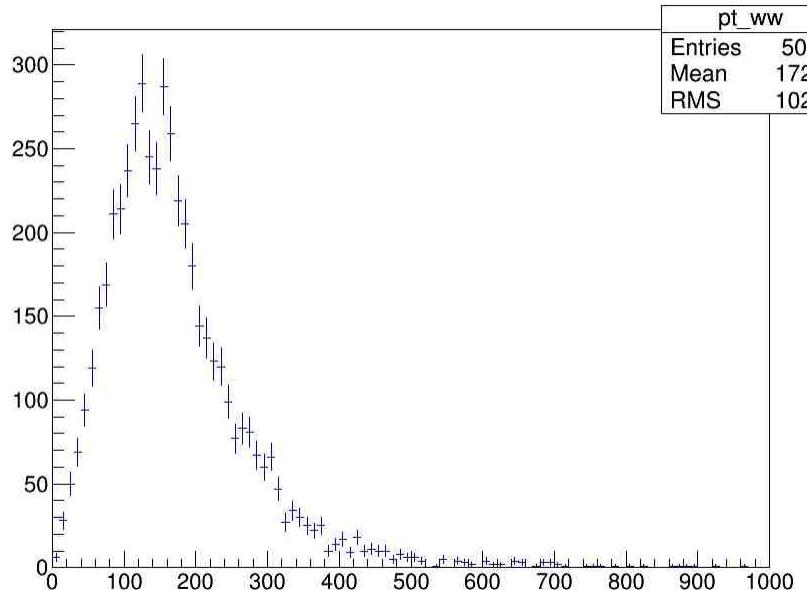
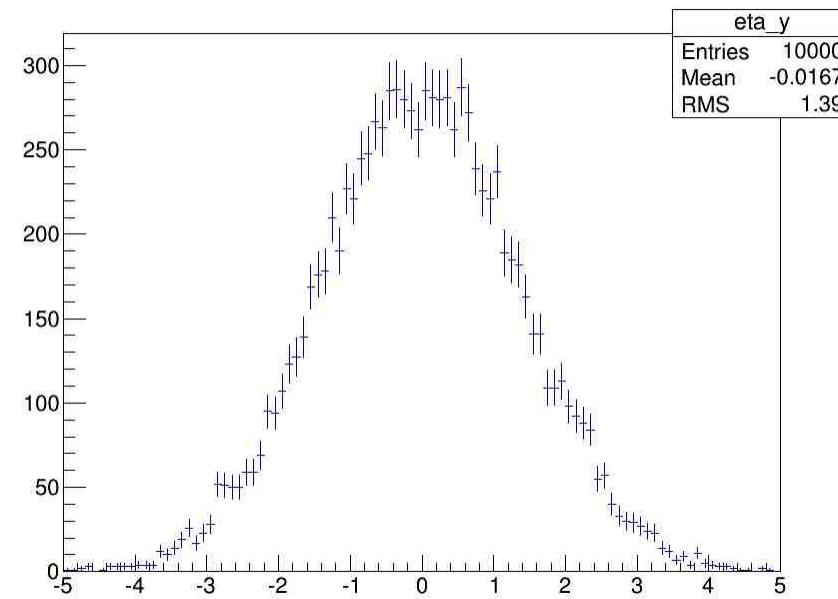
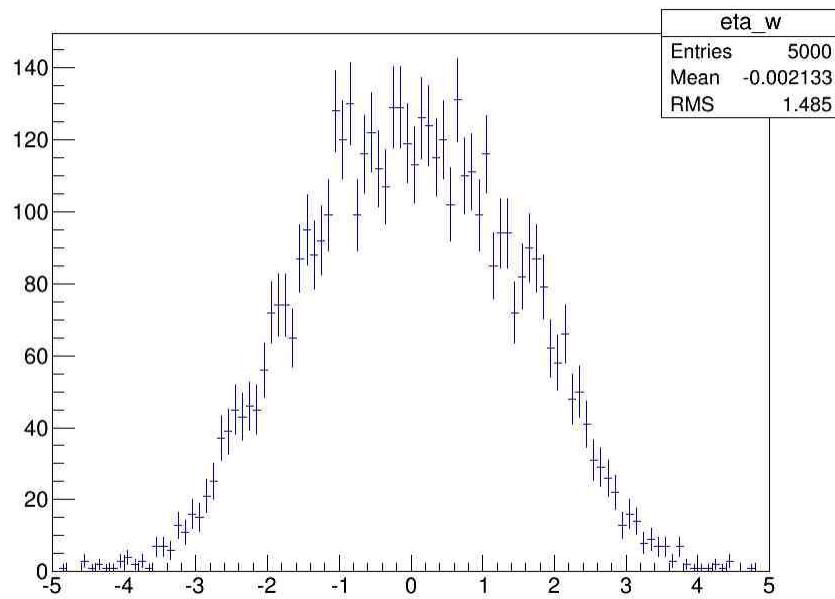
# 400 GeV



# 400 GeV



# sm\_hh



# sm\_hh

