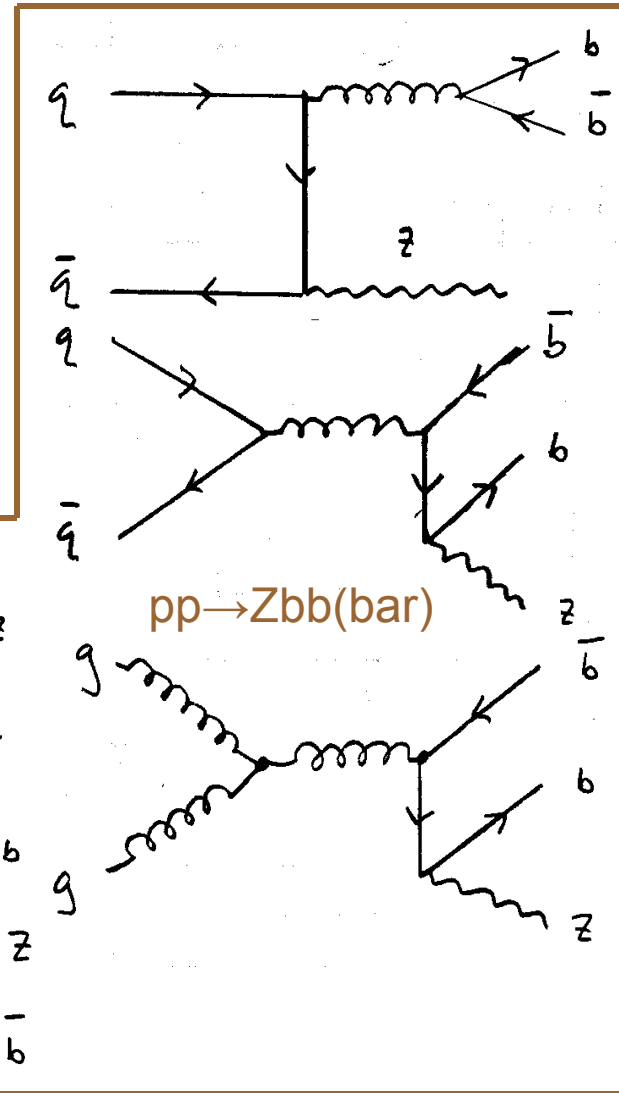
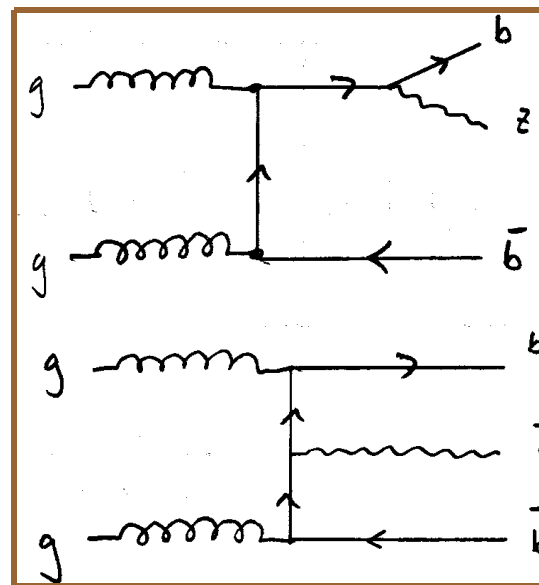
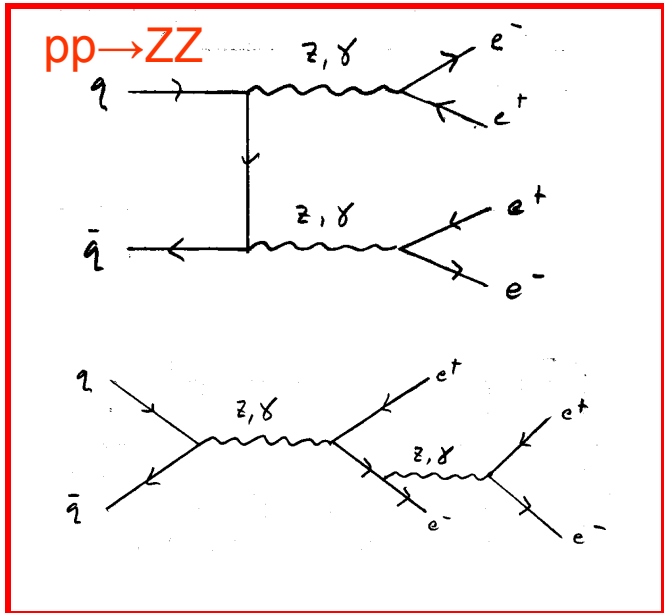
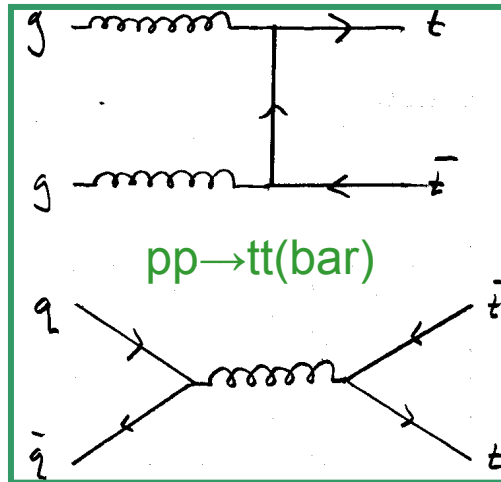
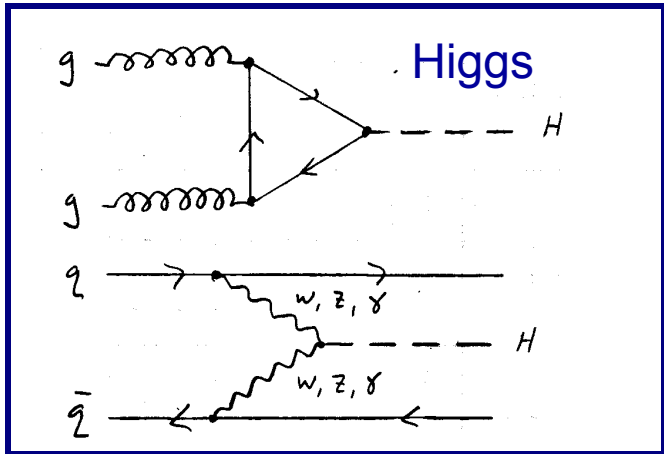


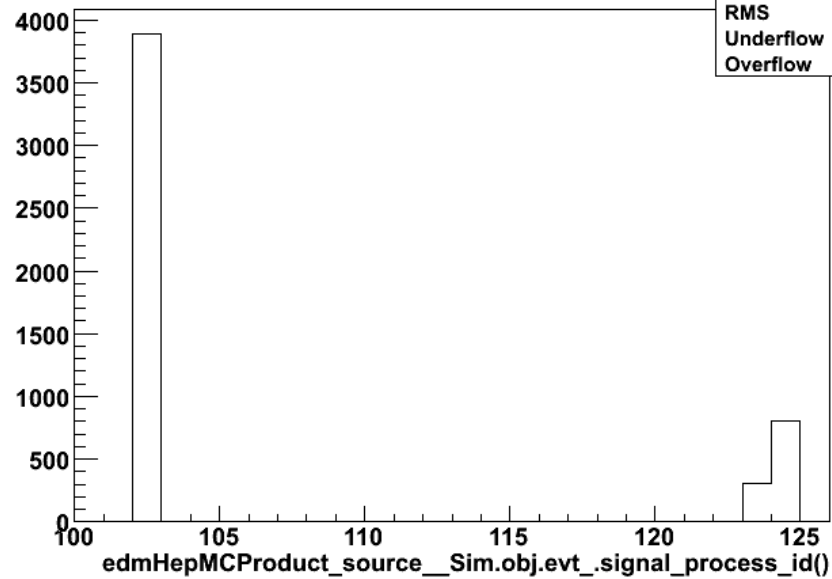
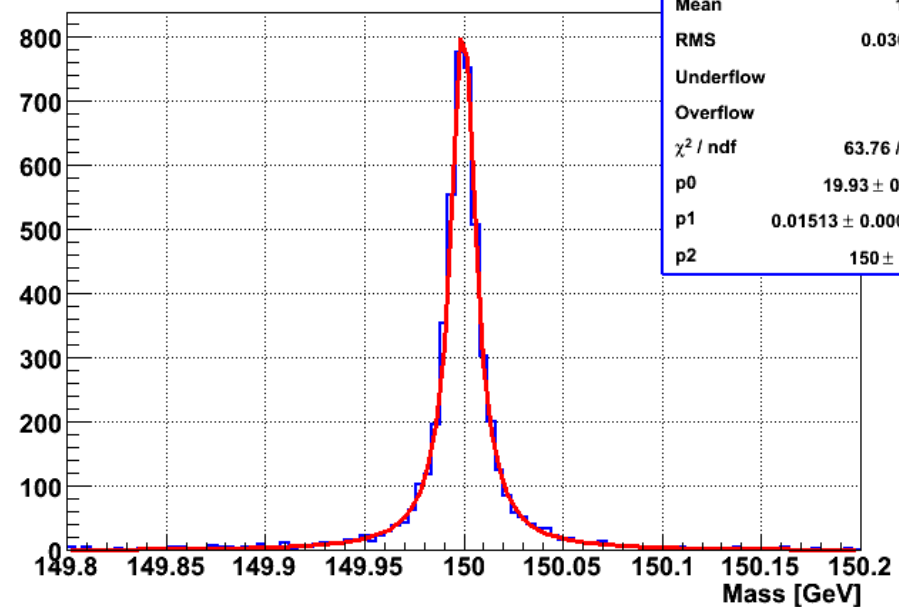
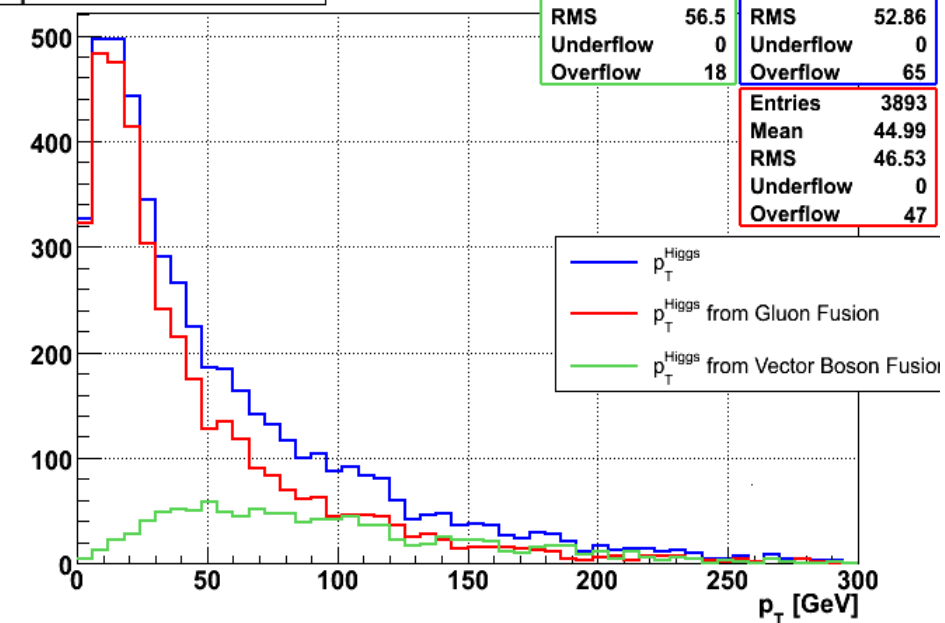
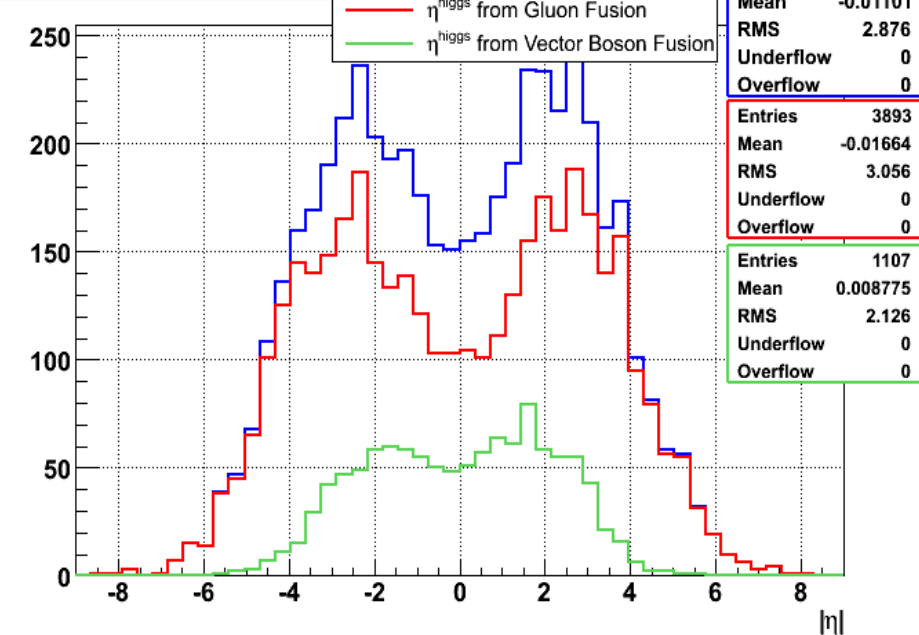
$H \rightarrow ZZ \rightarrow 4e + \text{backgrounds}$

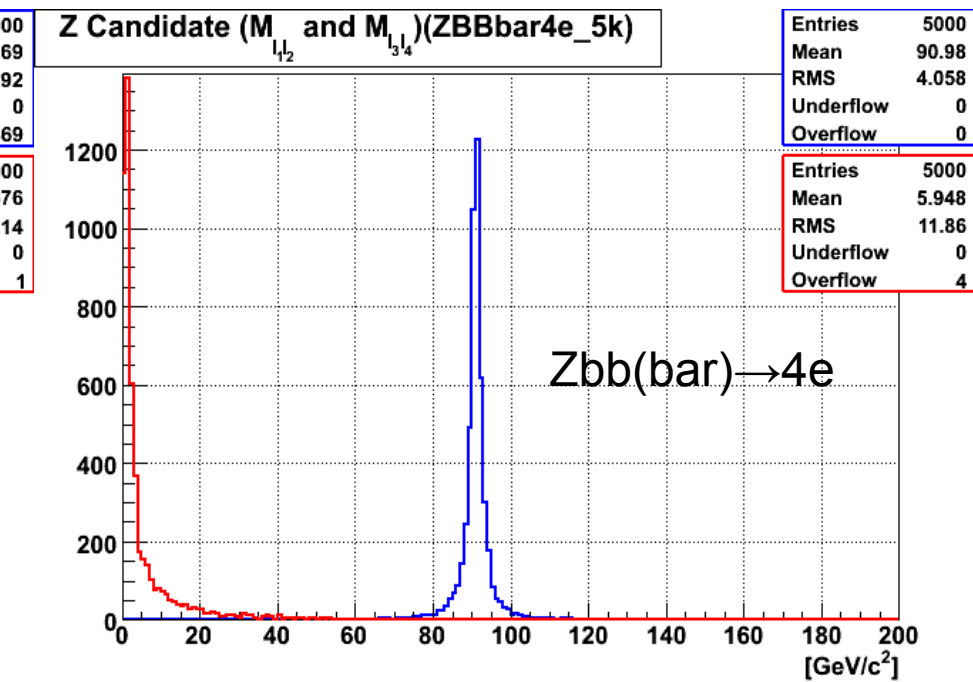
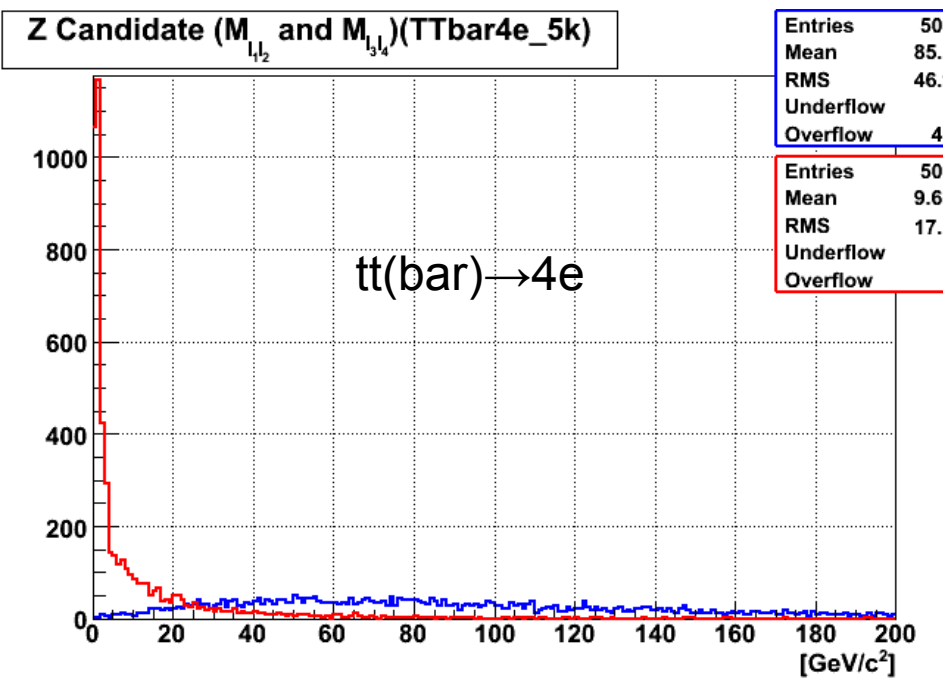
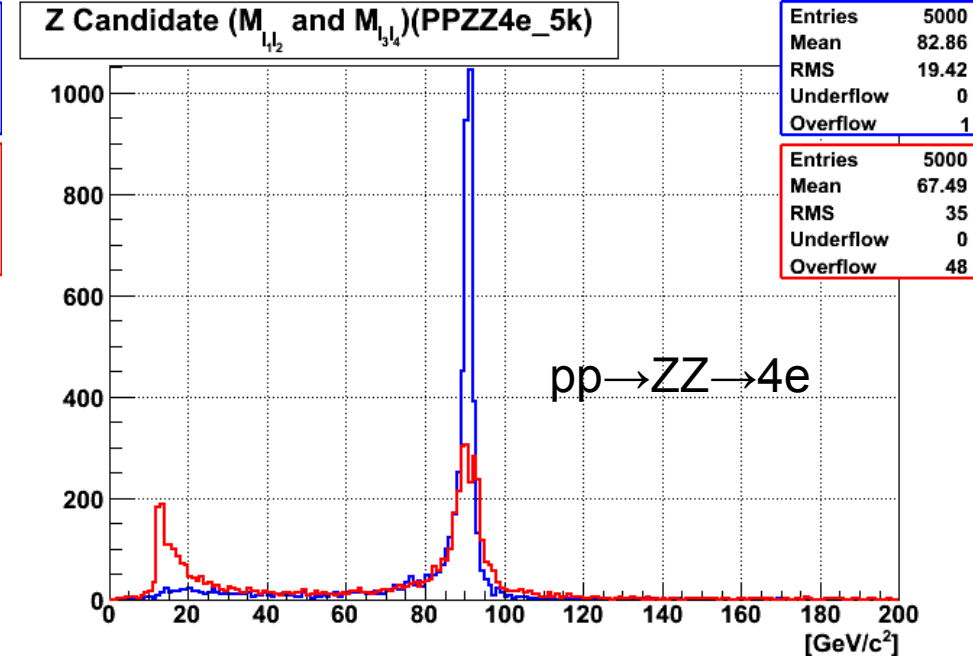
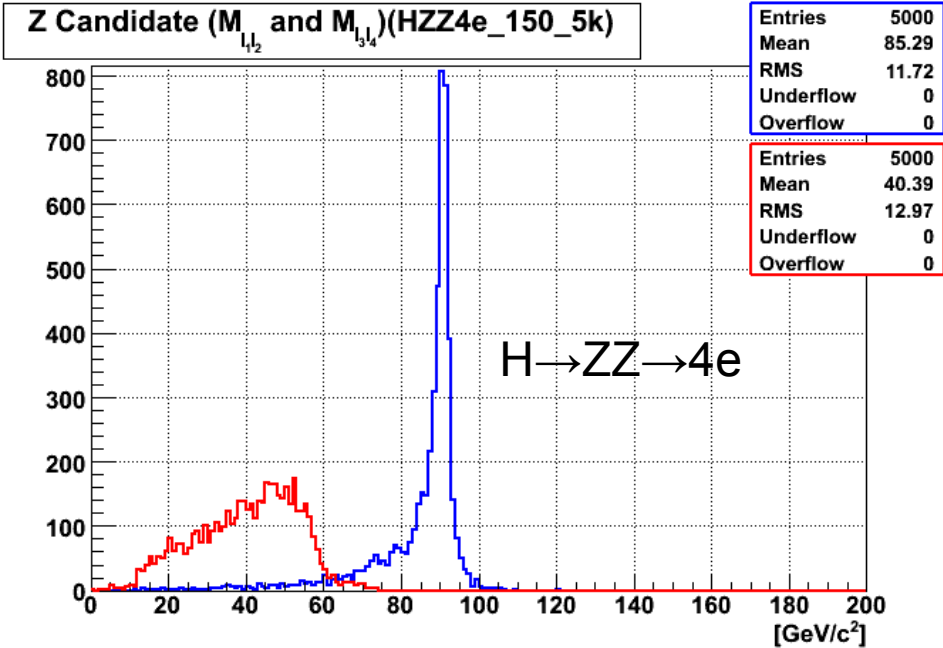
Kinematical Generator Level
Study

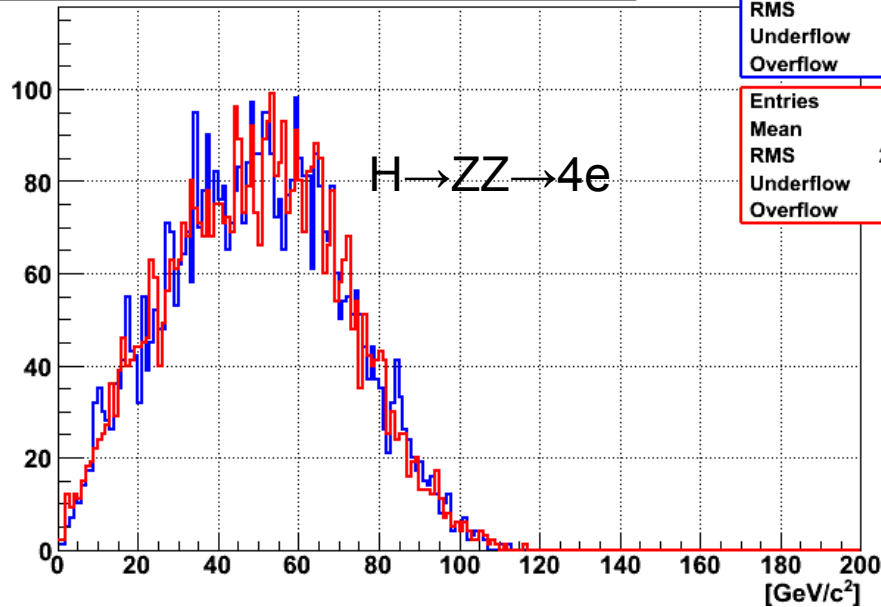
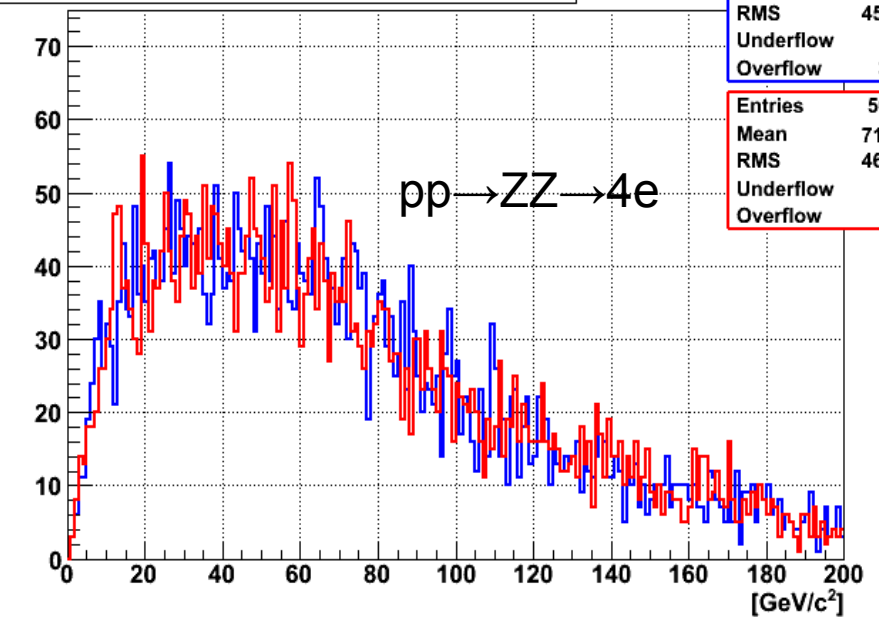
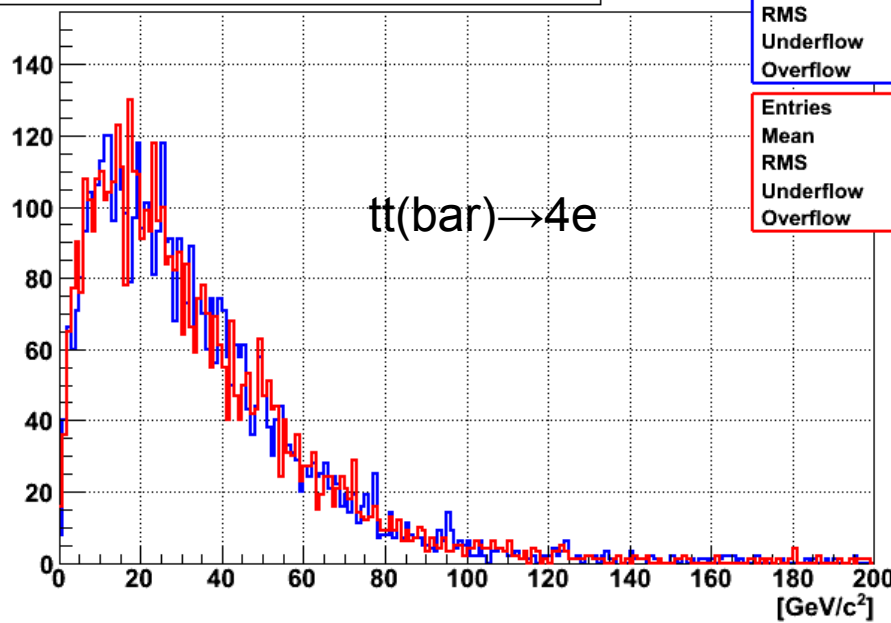
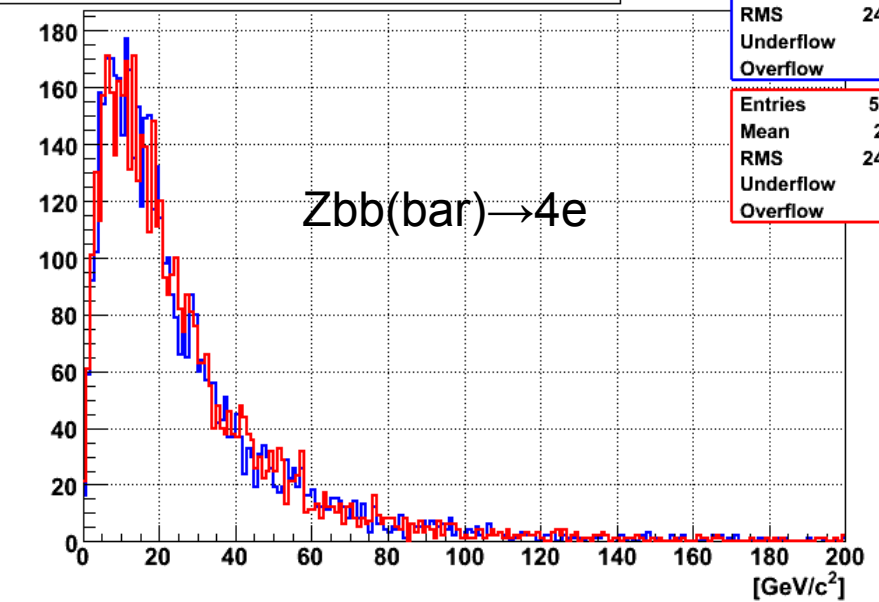
Leading Order Processes

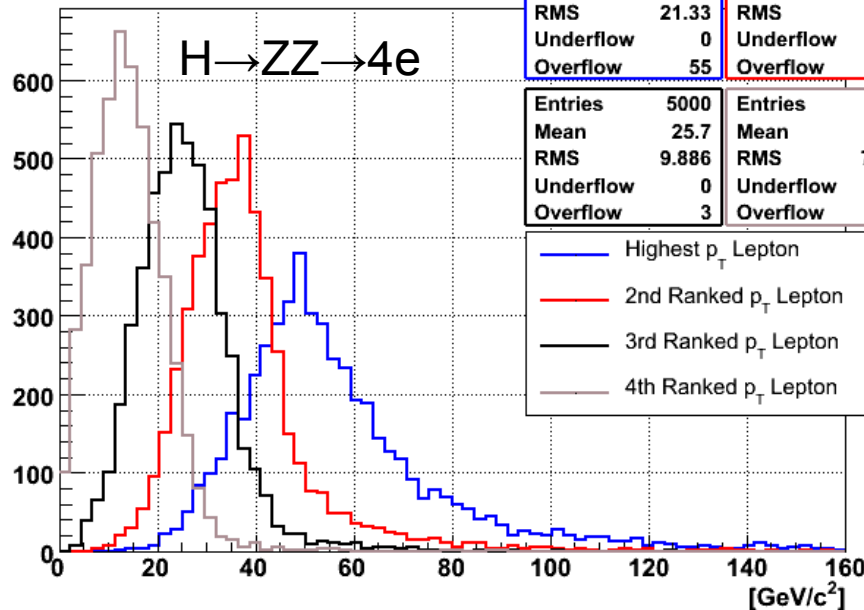
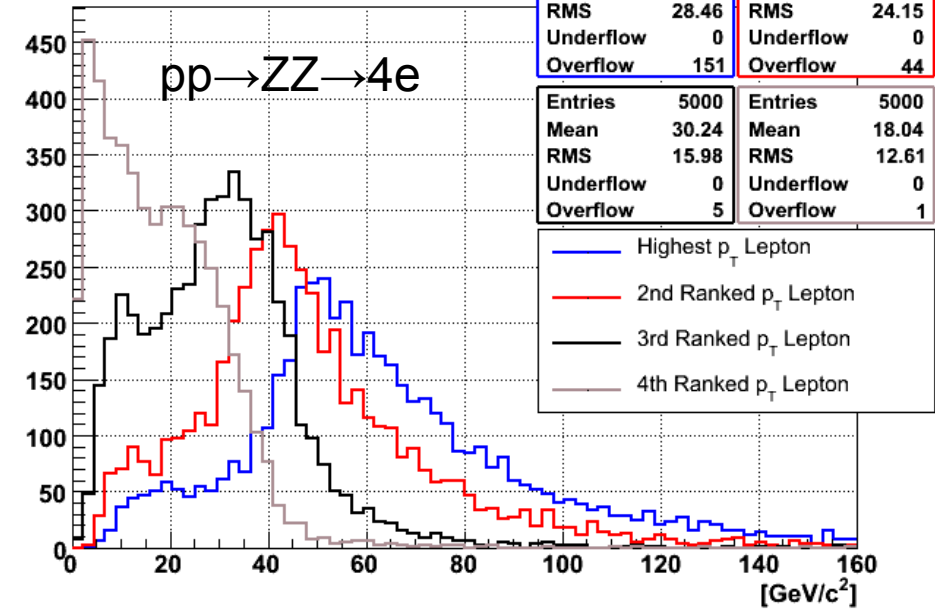
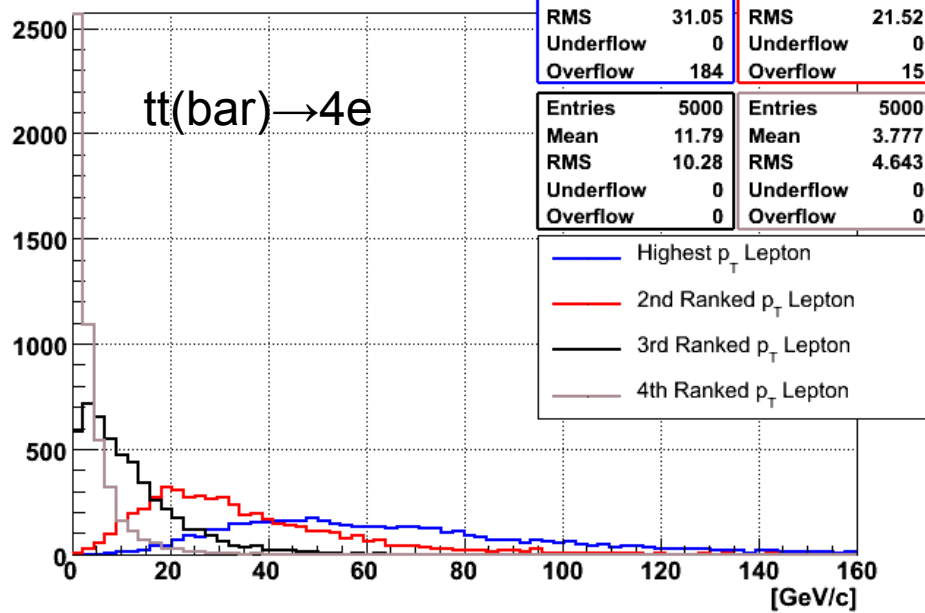
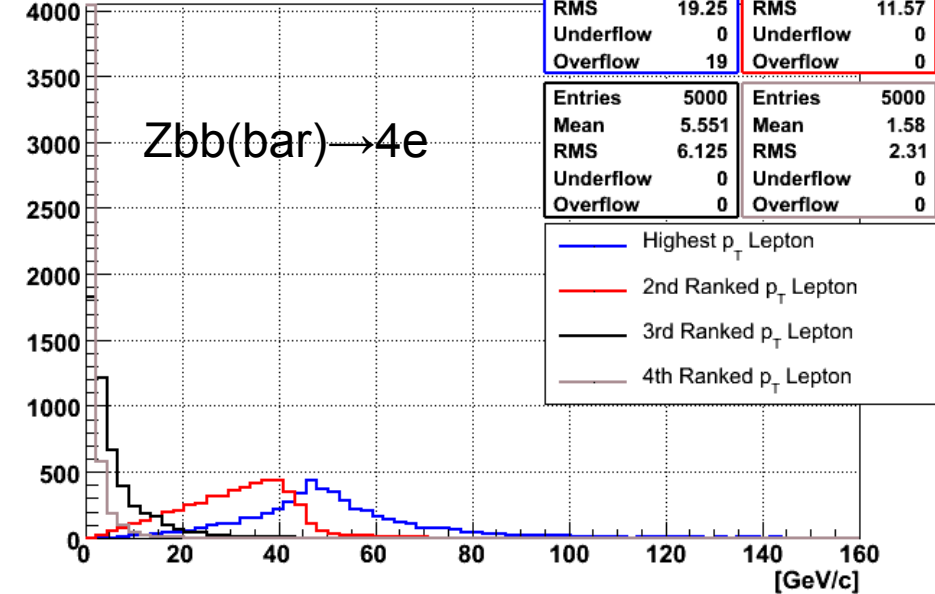


edmHepMCProduct_source_Sim.obj.evt_signal_process_id()

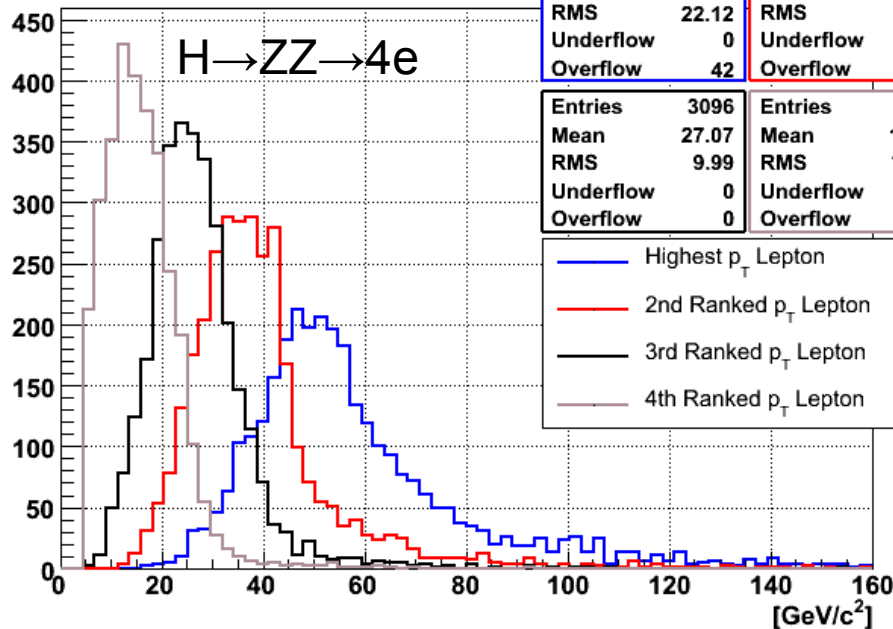
 M_{Higgs} (Generated) (HZZ4e_150_5k) $p_{\text{T}}^{\text{higgs}}$ (HZZ4e_150_5k) $|\eta^{\text{higgs}}|$ (HZZ4e_150_5k)



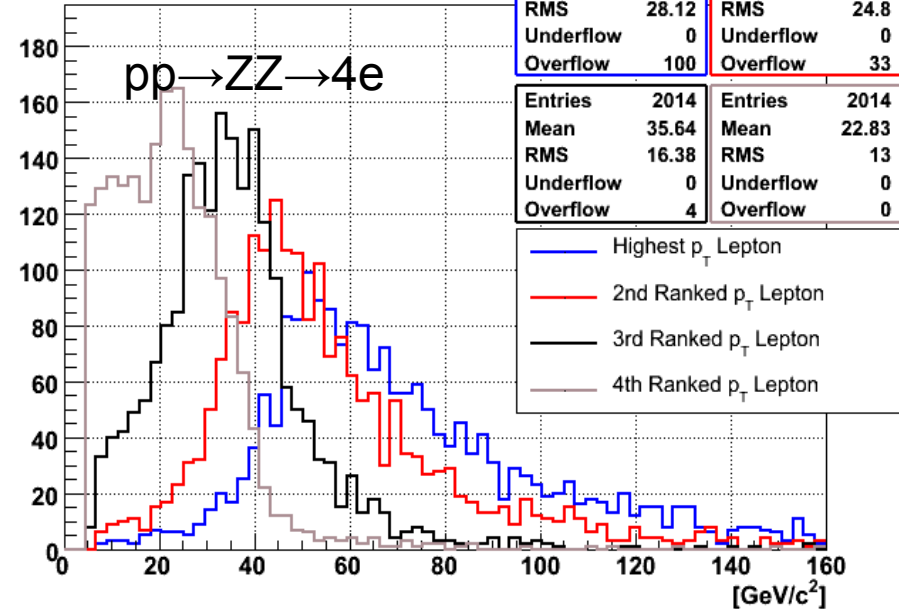
Z Candidate ($M_{l_1l_4}$ and $M_{l_2l_3}$) (HZZ4e_150_5k)Z Candidate ($M_{l_1l_4}$ and $M_{l_2l_3}$) (PPZZ4e_5k)Z Candidate ($M_{l_1l_4}$ and $M_{l_2l_3}$) (TTbar4e_5k)Z Candidate ($M_{l_1l_4}$ and $M_{l_2l_3}$) (ZBBbar4e_5k)

p_T of Lepton (HZZ4mu_150_5k) p_T of Lepton (PPZZ4e_5k) p_T of Lepton (TTbar4e_5k) p_T of Lepton (ZBBbar4e_5k)

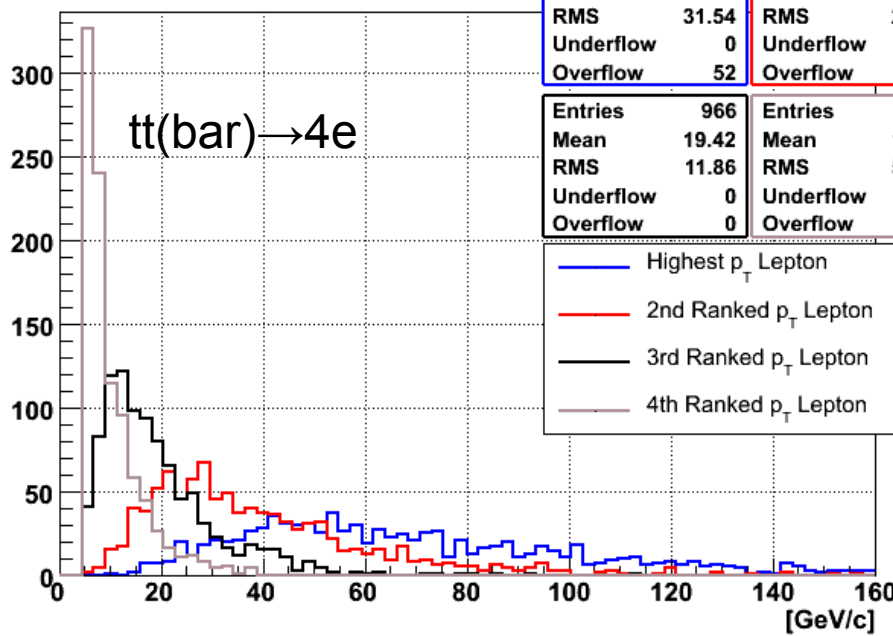
p_T of Lepton (HZZ4e_150_5k)



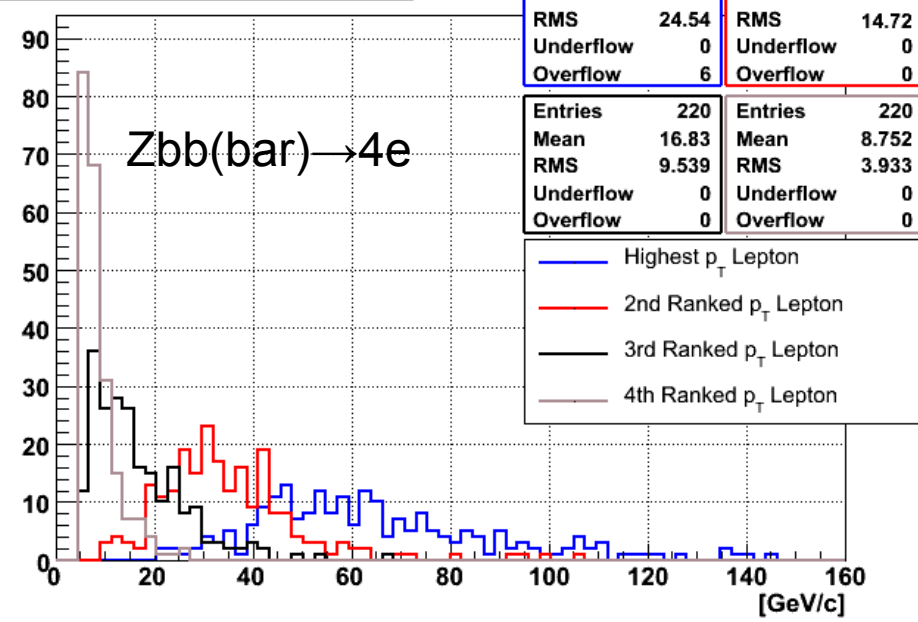
p_T of Lepton (PPZZ4e_5k)



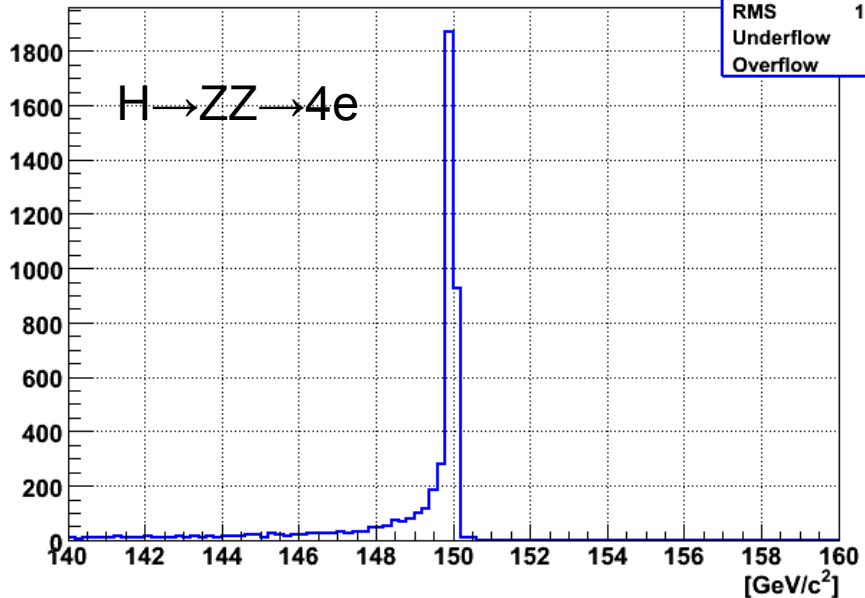
p_T of Lepton (TTbar4e_5k)



p_T of Lepton (ZBBbar4e_5k)

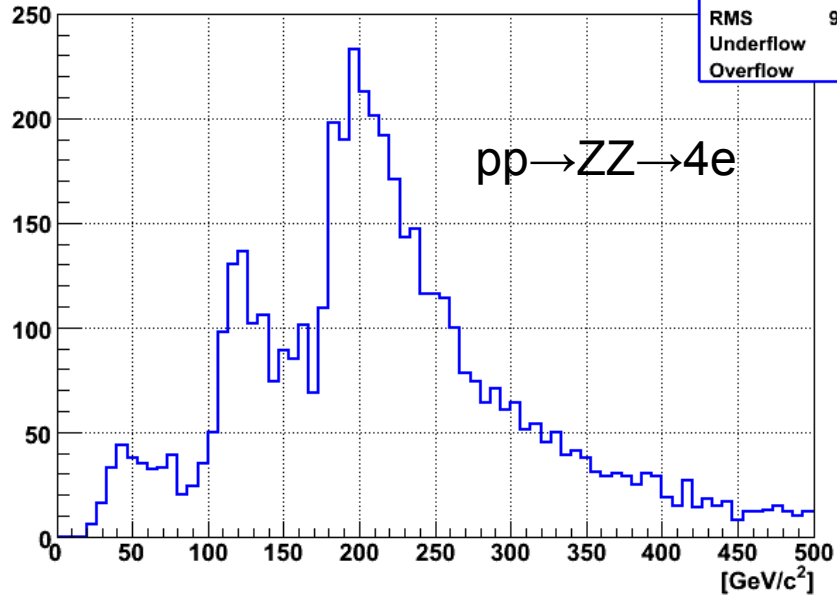


Higgs Candidate (M_{4l}) (HZZ4mu_150_5k)



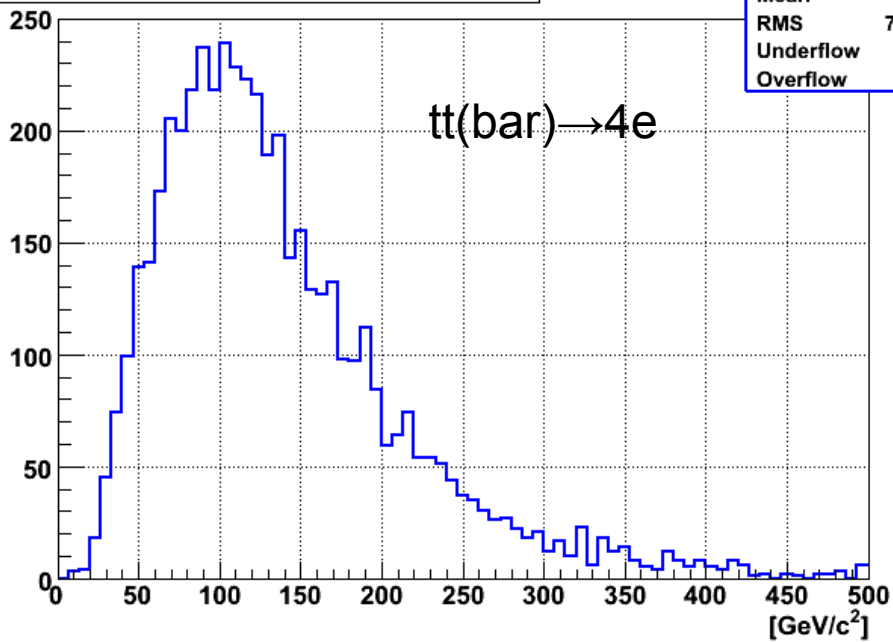
Entries	5000
Mean	149
RMS	1.966
Underflow	507
Overflow	0

Higgs Candidate (M_{4l}) (PPZZ4e_5k)



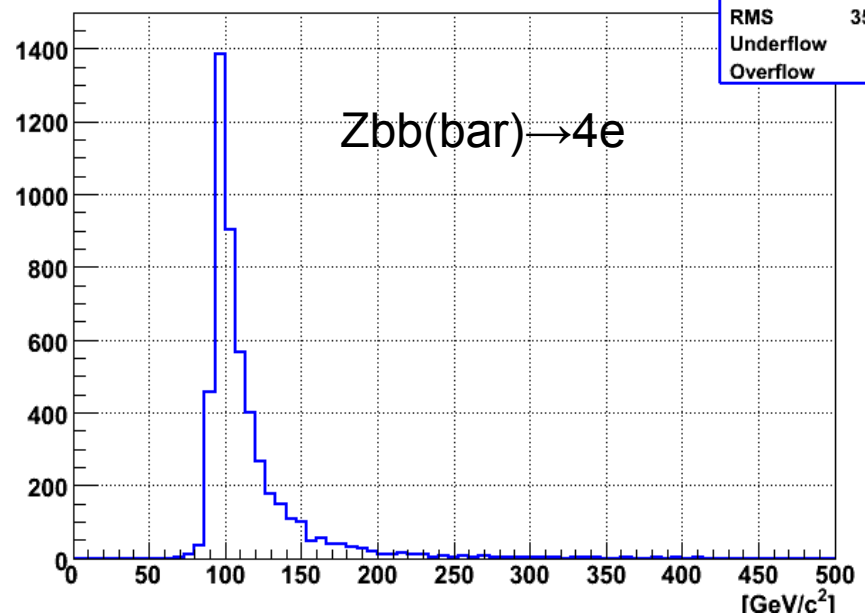
Entries	5000
Mean	217.7
RMS	91.32
Underflow	0
Overflow	210

Higgs Candidate (M_{4l}) (TTbar4e_5k)

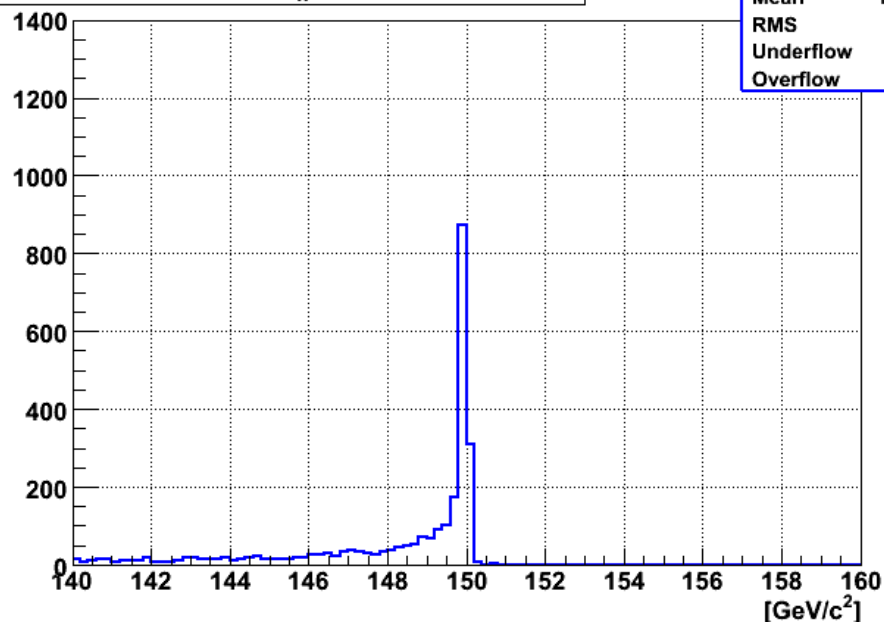
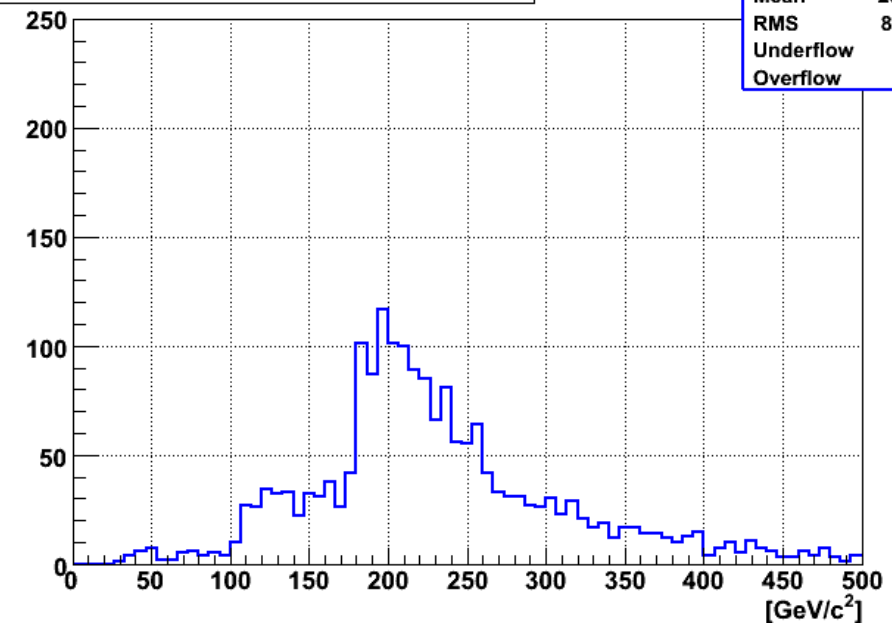
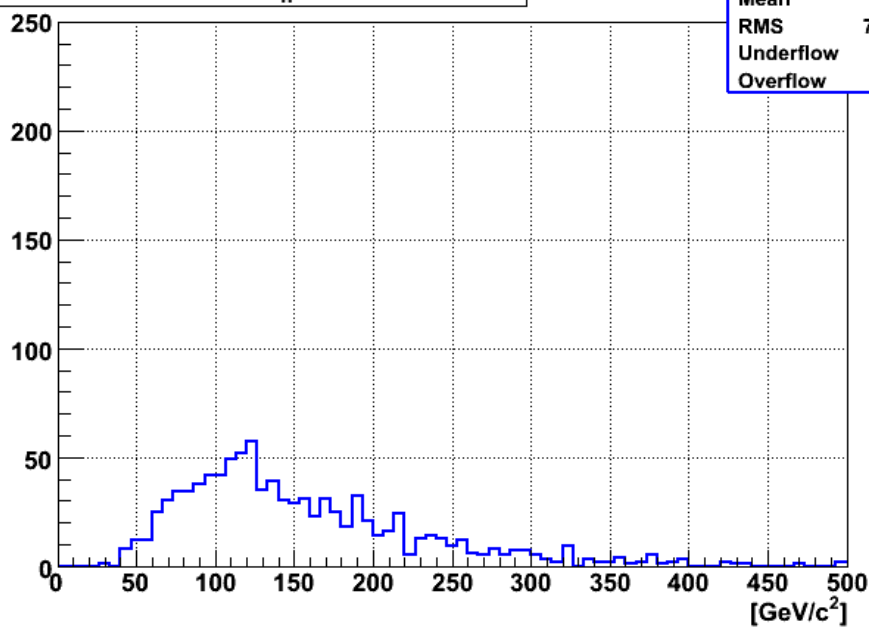
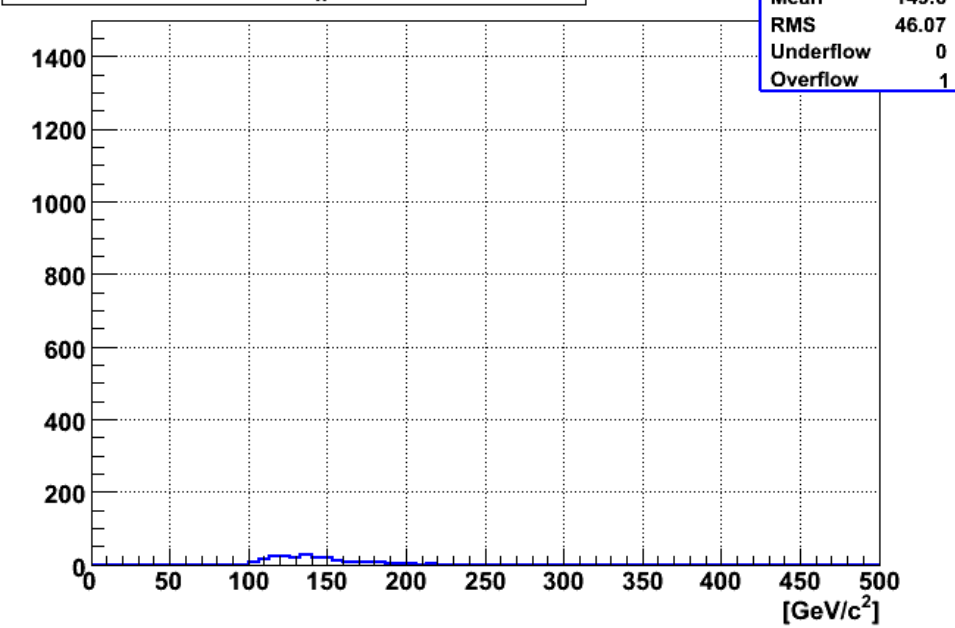


Entries	5000
Mean	137
RMS	75.16
Underflow	0
Overflow	36

Higgs Candidate (M_{4l}) (ZBBbar4e_5k)



Entries	5000
Mean	115.3
RMS	35.95
Underflow	0
Overflow	23

Higgs Candidate (M_{4l}) (HZZ4e_150_5k)**Higgs Candidate (M_{4l}) (PPZZ4e_5k)****Higgs Candidate (M_{4l}) (TTbar4e_5k)****Higgs Candidate (M_{4l}) (ZBBbar4e_5k)**

M_{4l} Stacked Plot

hCandStack

