Imperial College London

Control Plots

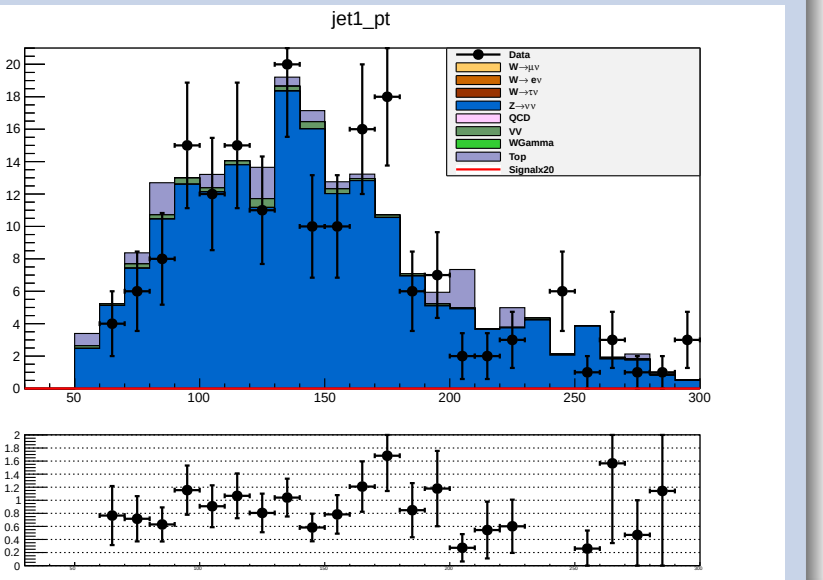
P. Dunne

New Control Plots

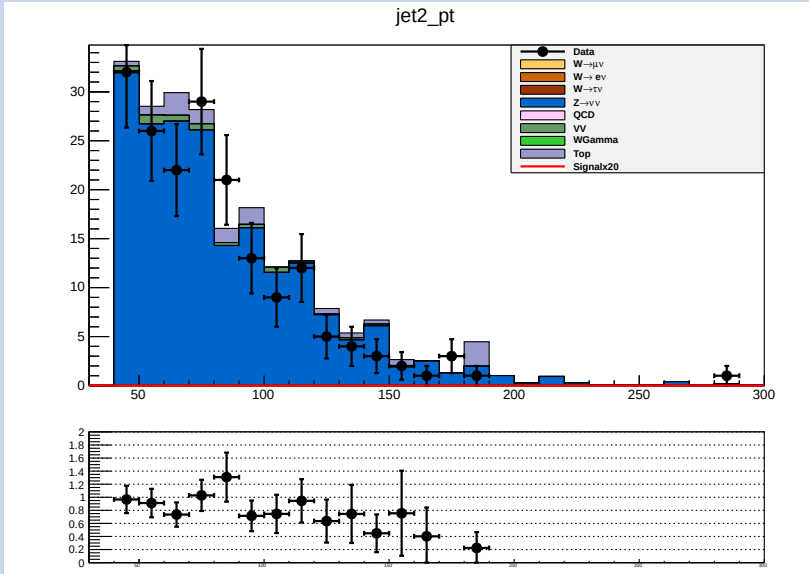
- Cuts are:
  - met$>$ 60 $jet1_pt > 50$, $dijet_deta > 3.6$, metnomu_significance$>$ 3, jetmetnomu_mindphi$>$ 1.5, $jet_{1,2}\eta < 4.7$, $jet_1\eta \cdot jet_2\eta < 0$, $m_{jj} >= 800$, $jet_2p_T > 40$
- met, $jet2p_T$ and m_{jj} cuts chosen to be above highest trigger threshold and at at least 50% efficiency for run D trigger

New control plots - mumu

Jet 1 pt



Jet 2 pt



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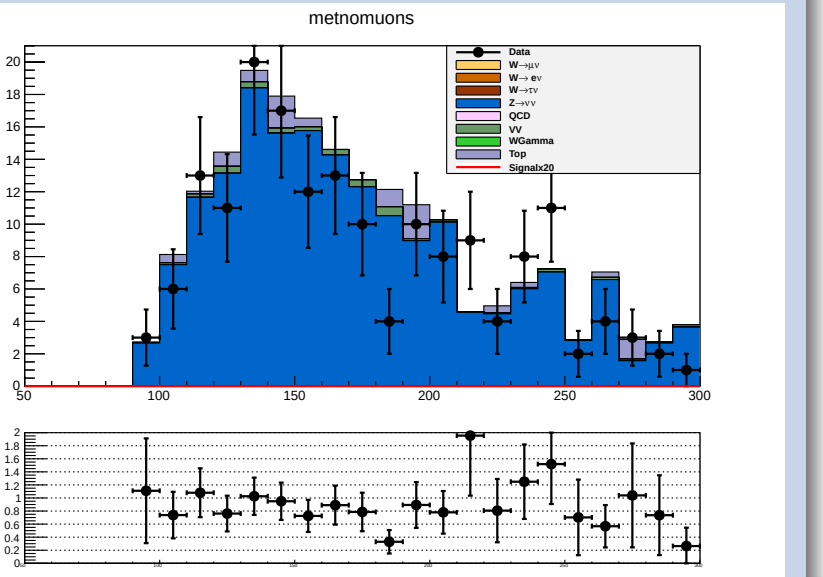
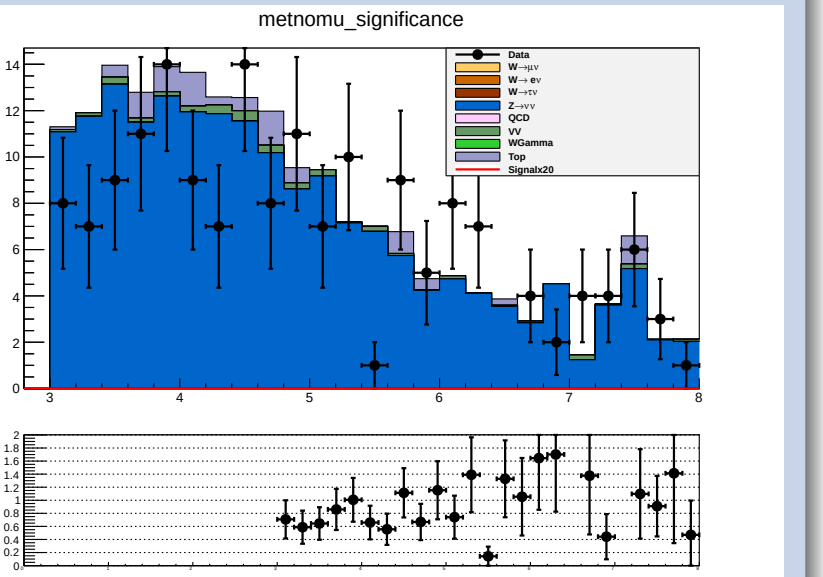
METnomu

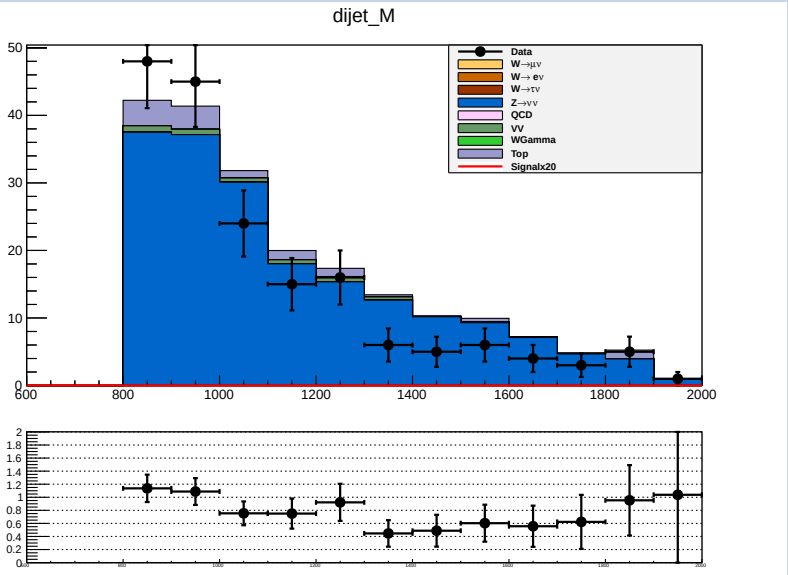


METnomusig



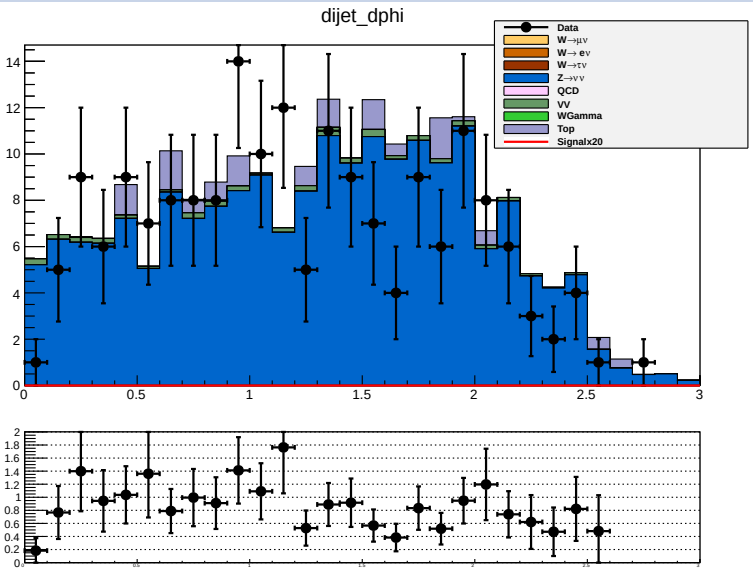
New control plots - mumu

Mjj

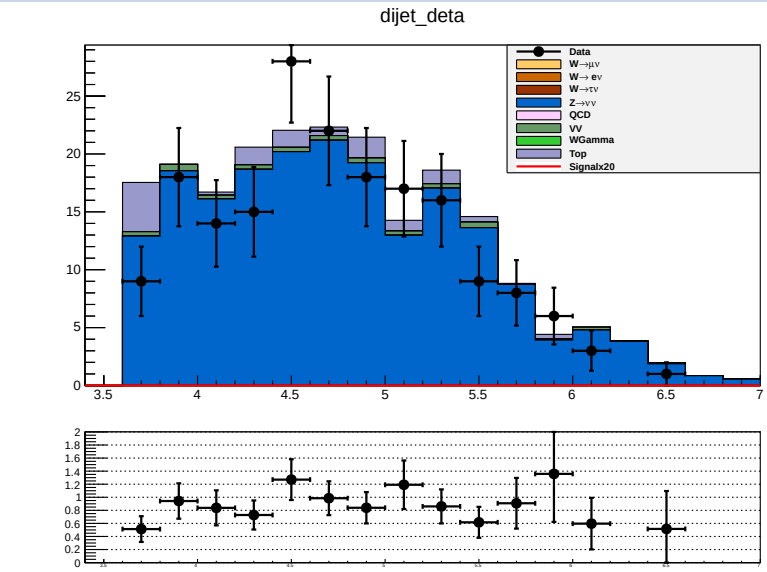


New control plots -mumu

Dphijj

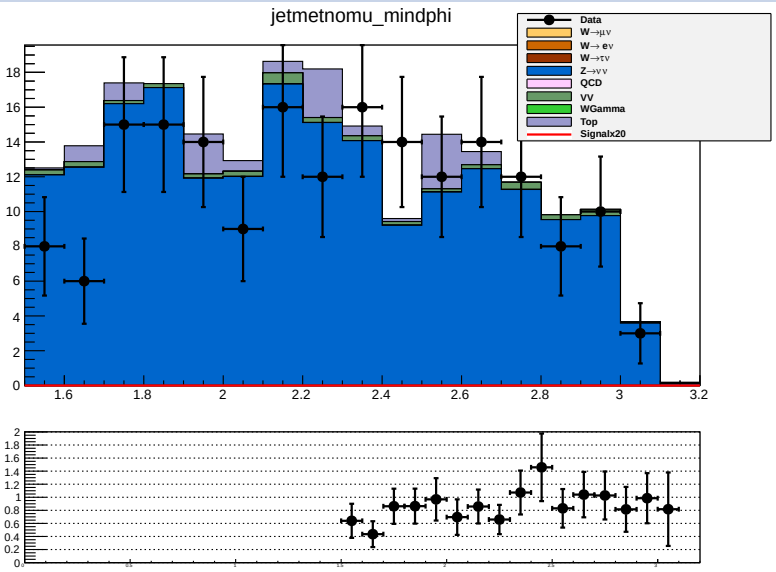


Detajj

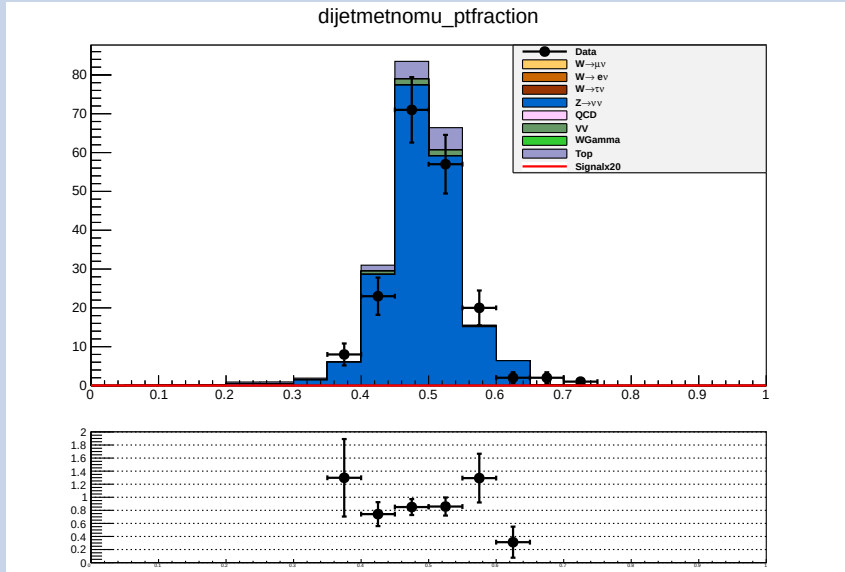


New control plots -mumu

Jet-met mindphi

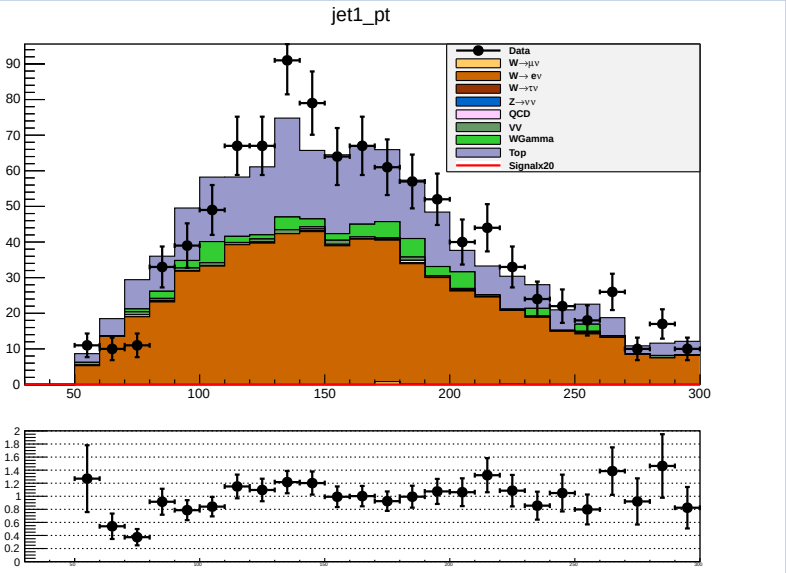


dijet-metnomu pt fraction

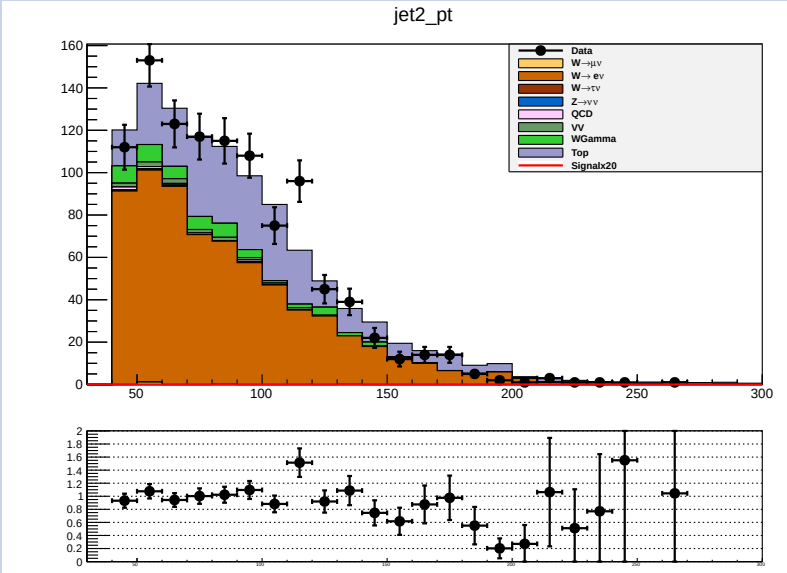


New control plots -enu

Jet 1 pt

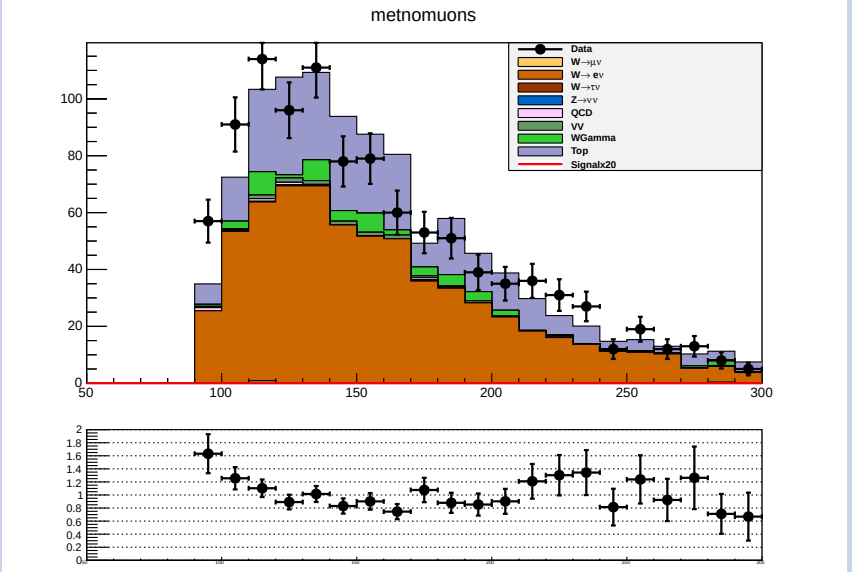


Jet 2 pt

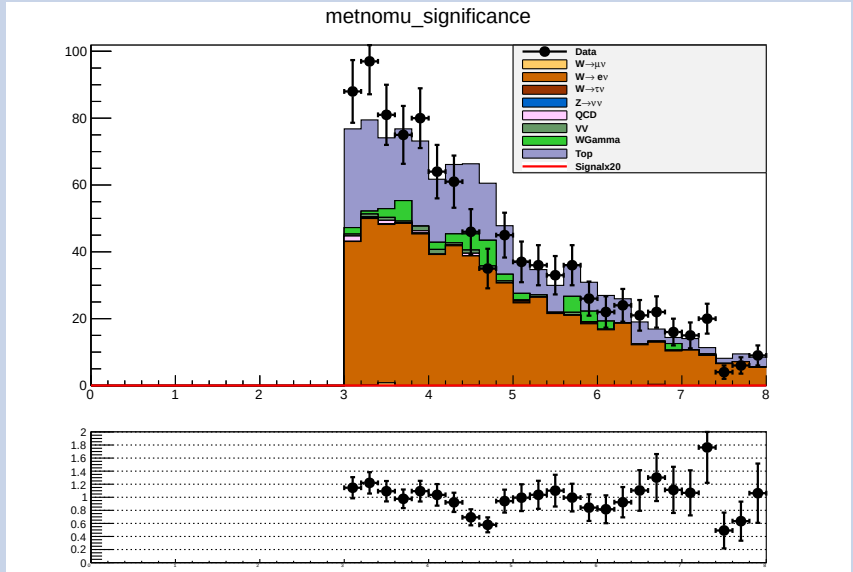


New control plots -enu

METnomu

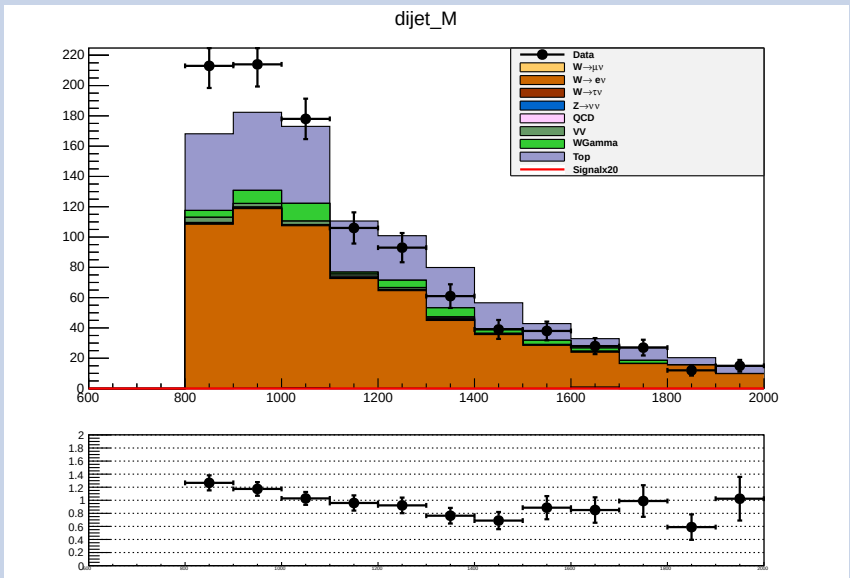


METnomusig



New control plots - enu

Mjj



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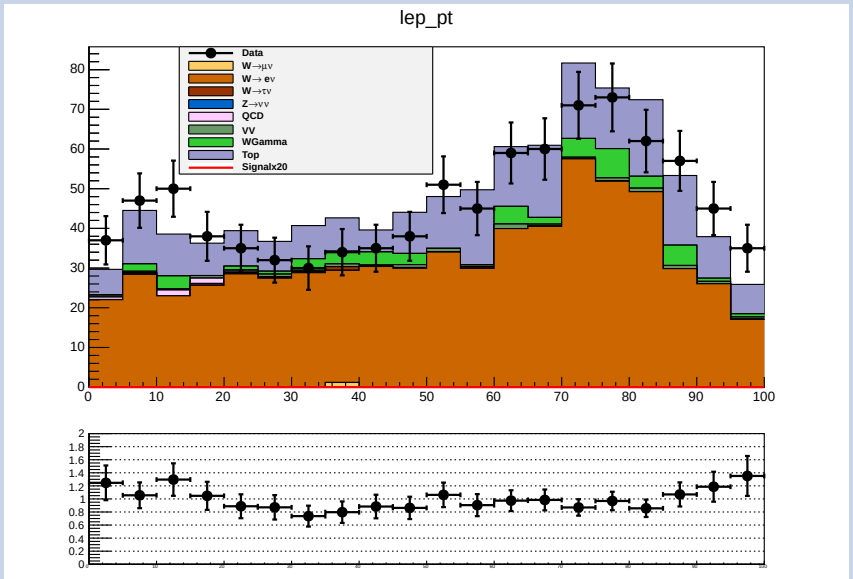
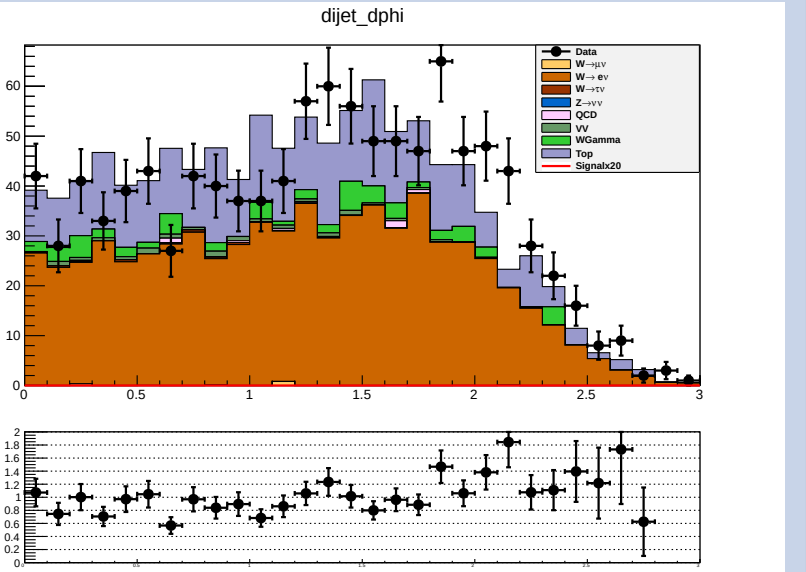
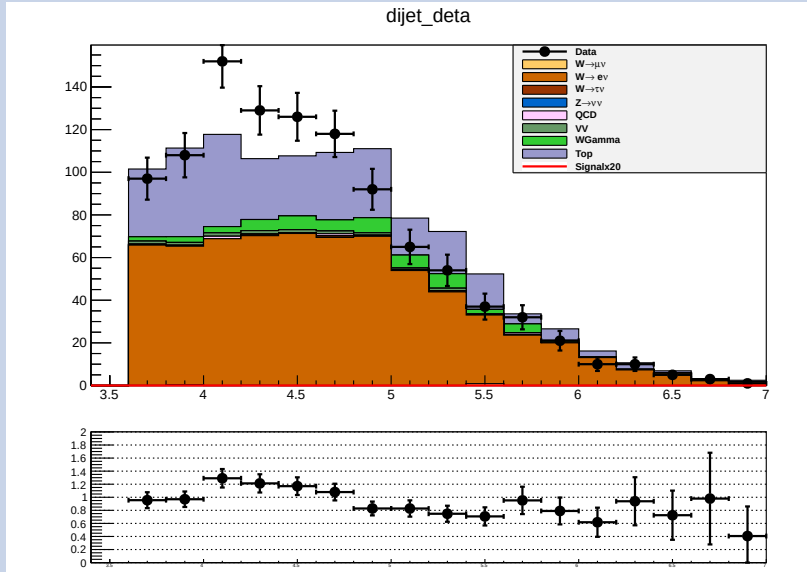


New control plots - enu

Dphijj

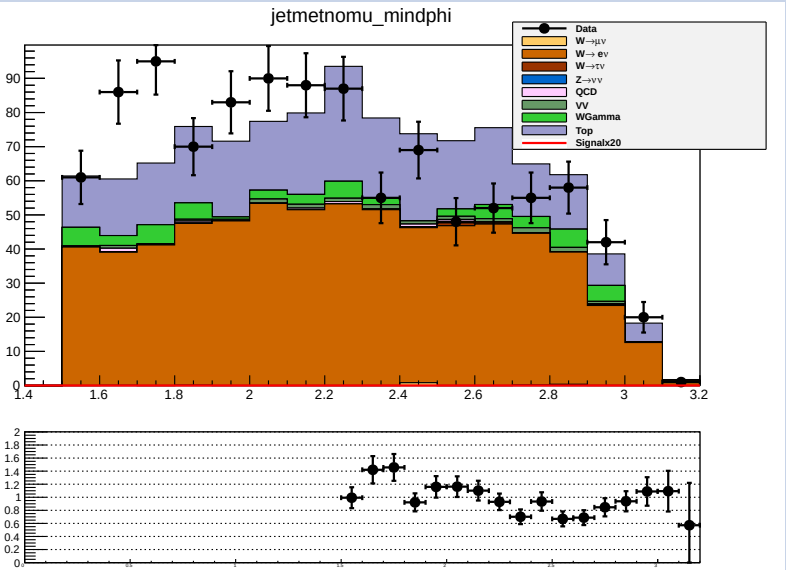


Detajj

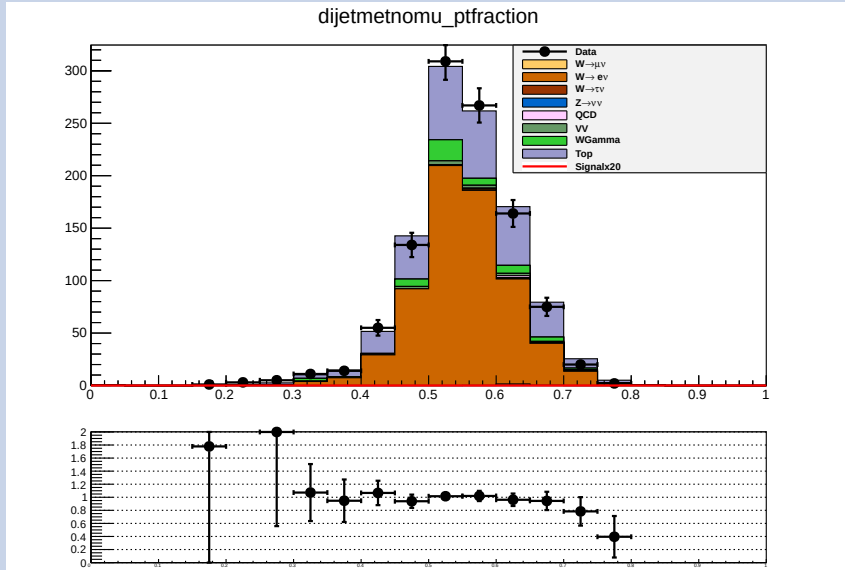


New control plots - enu

Jet-met mindphi

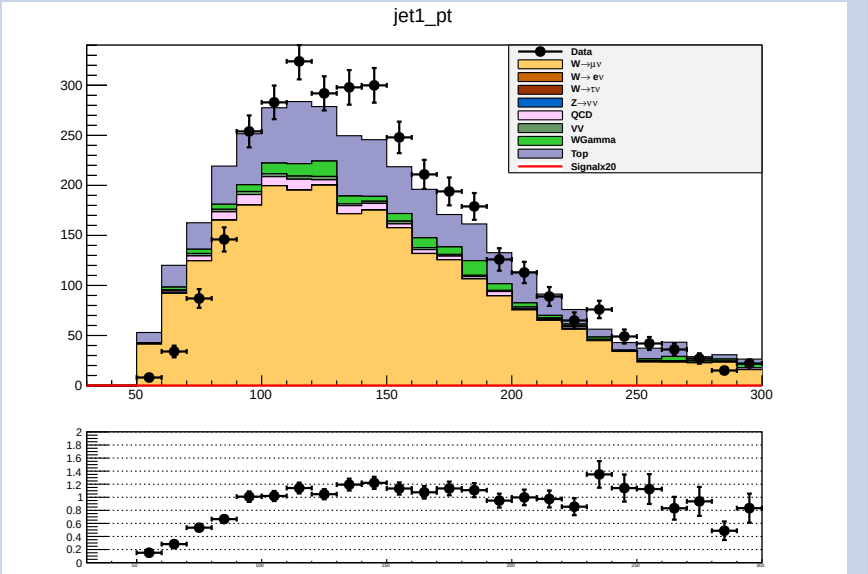


dijet-metnomu pt fraction

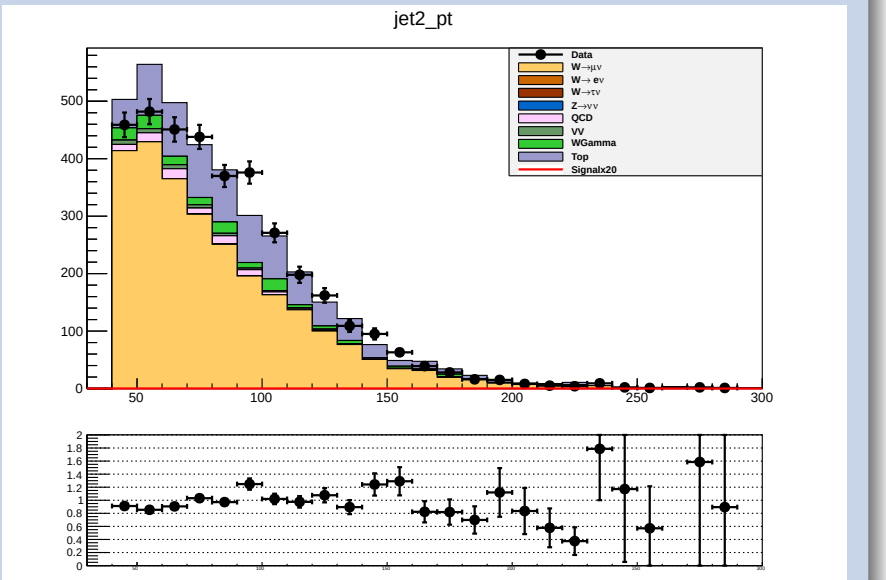


New control plots - munu

Jet 1 pt



Jet 2 pt



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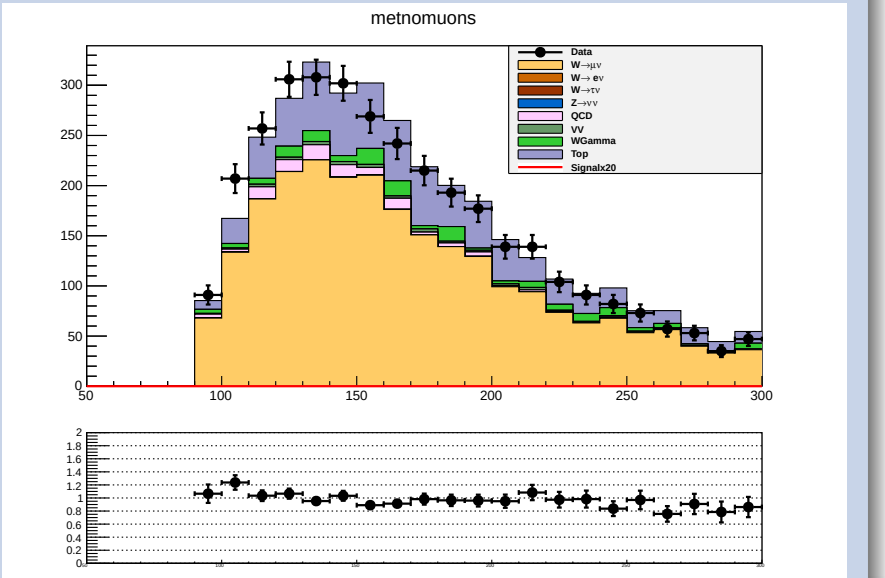
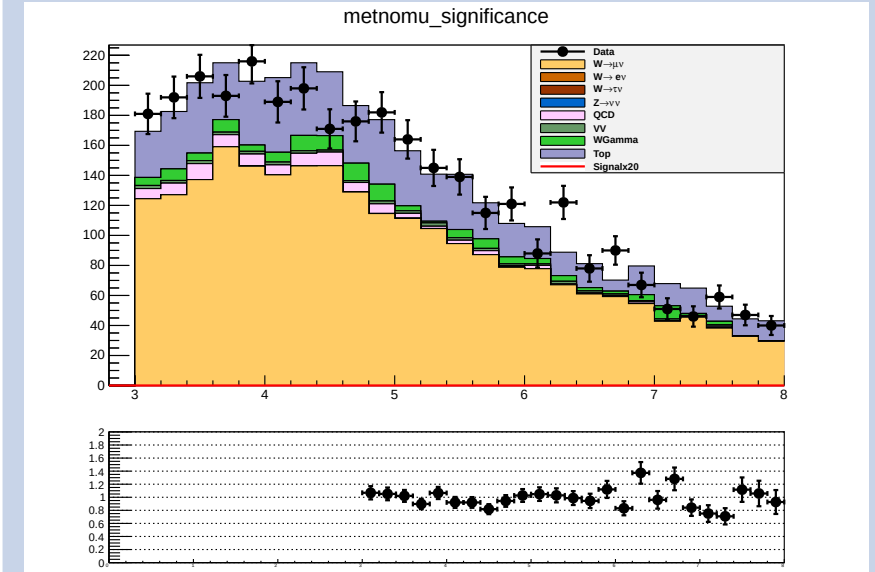
METnomu

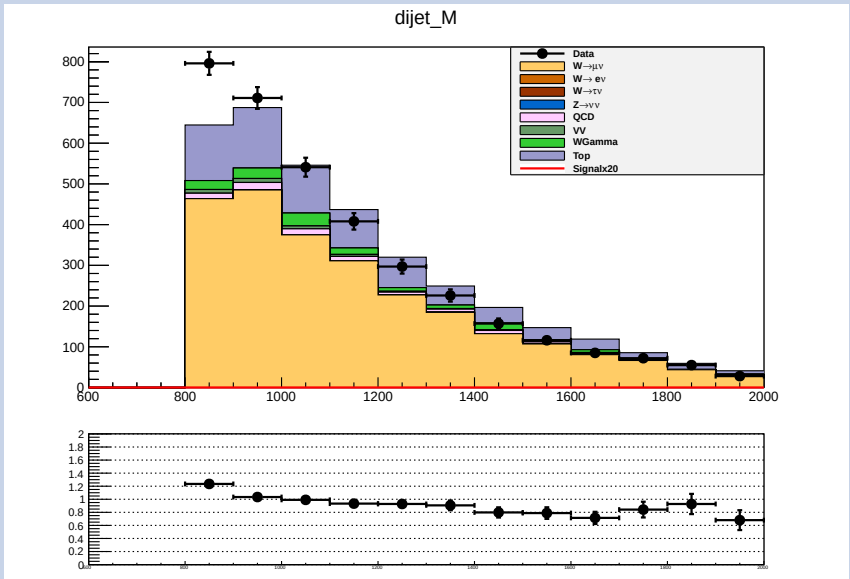


METnomusig



New control plots - munu

Mjj



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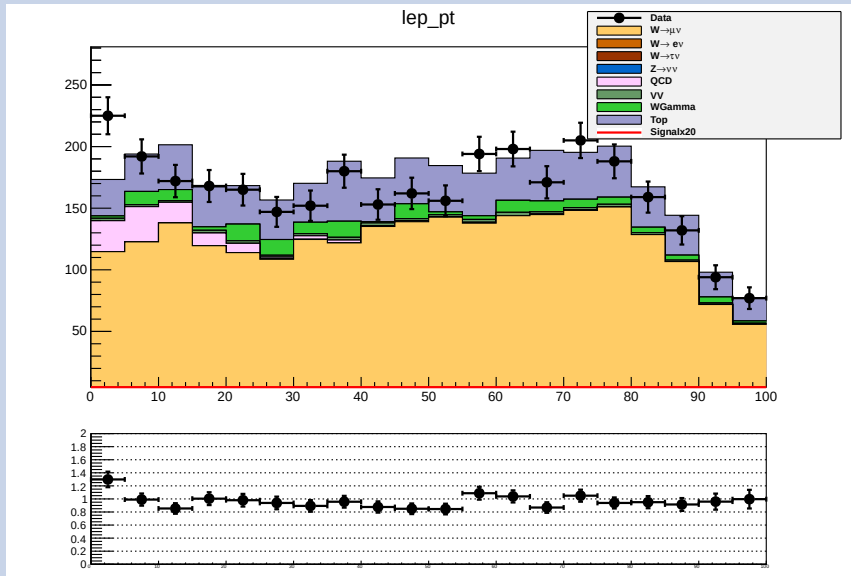
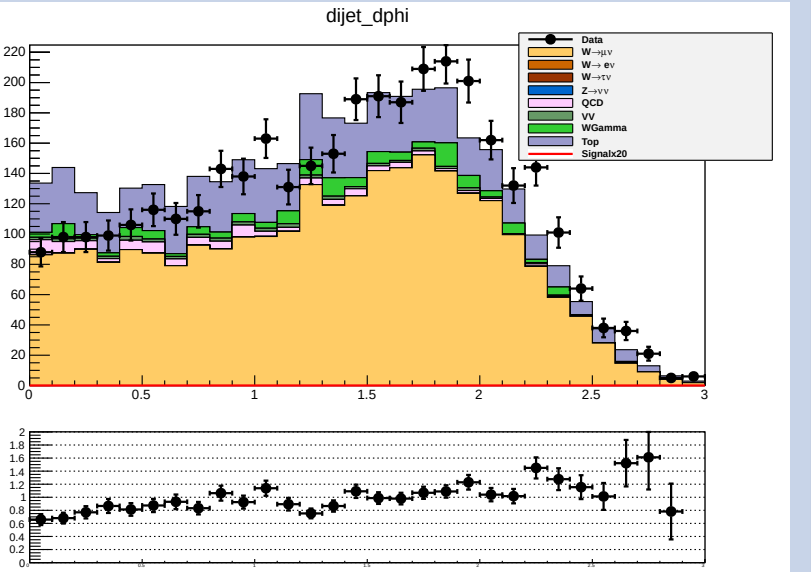
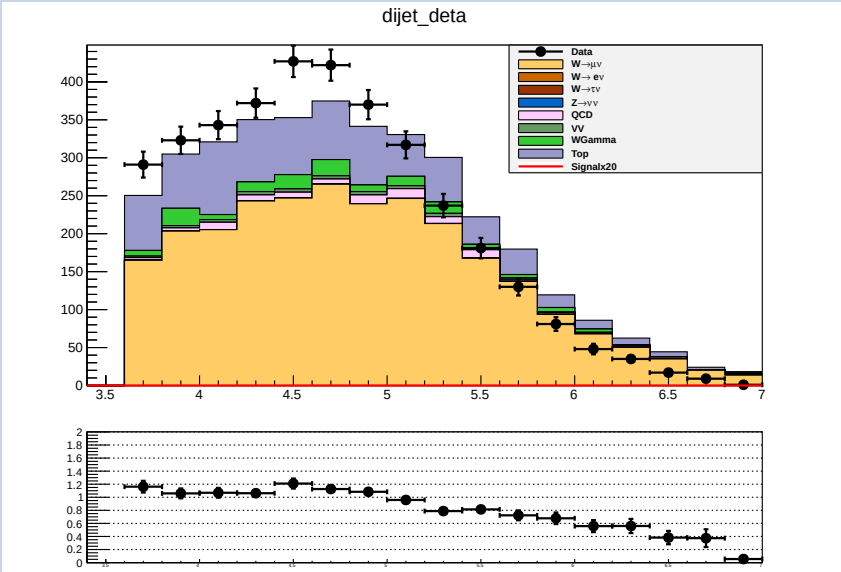


New control plots - munu

Dphijj

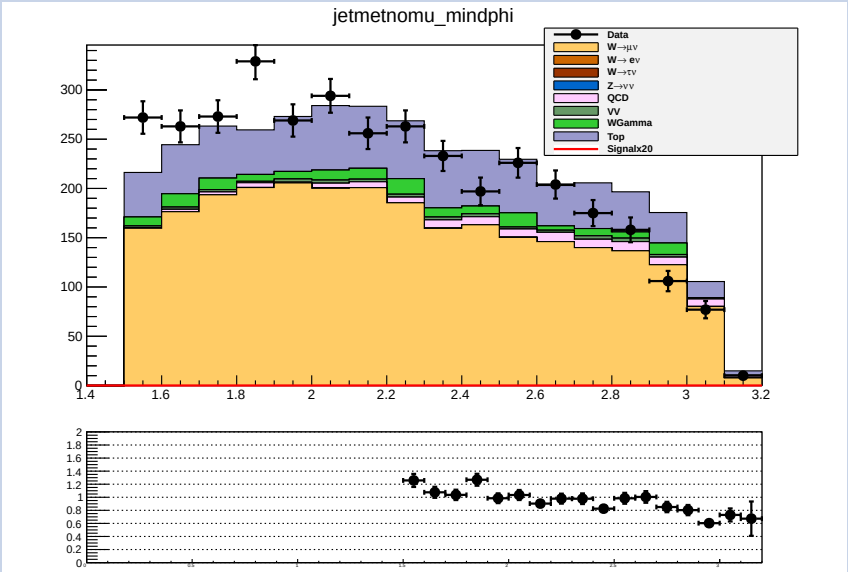


Detajj

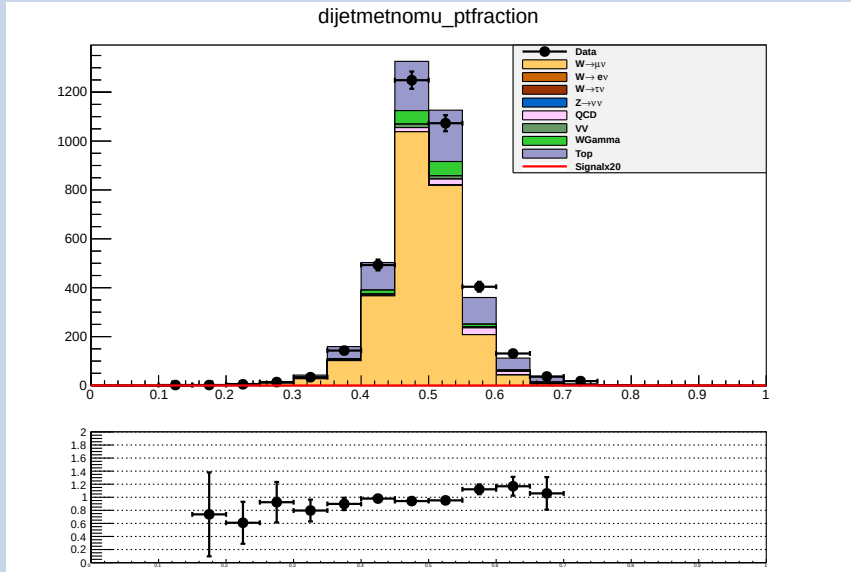


New control plots - munu

Jet-met mindphi

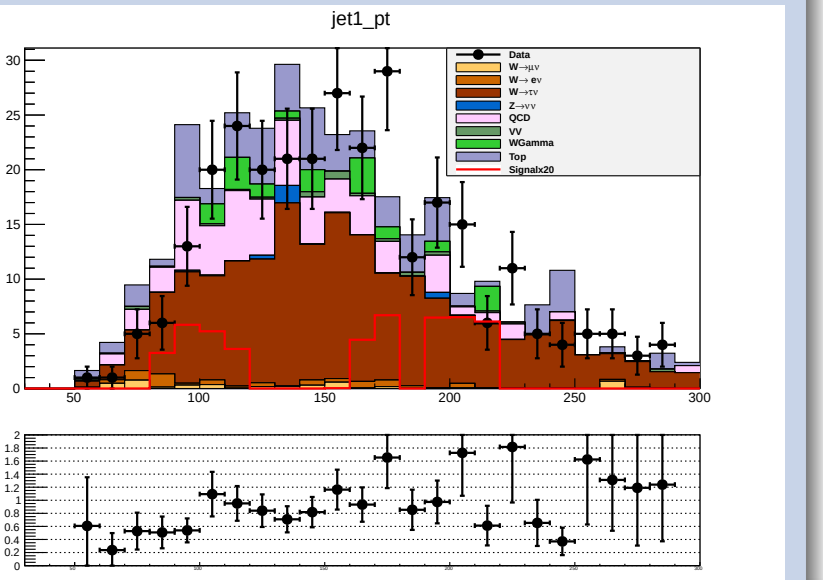


dijet-metnomu pt fraction

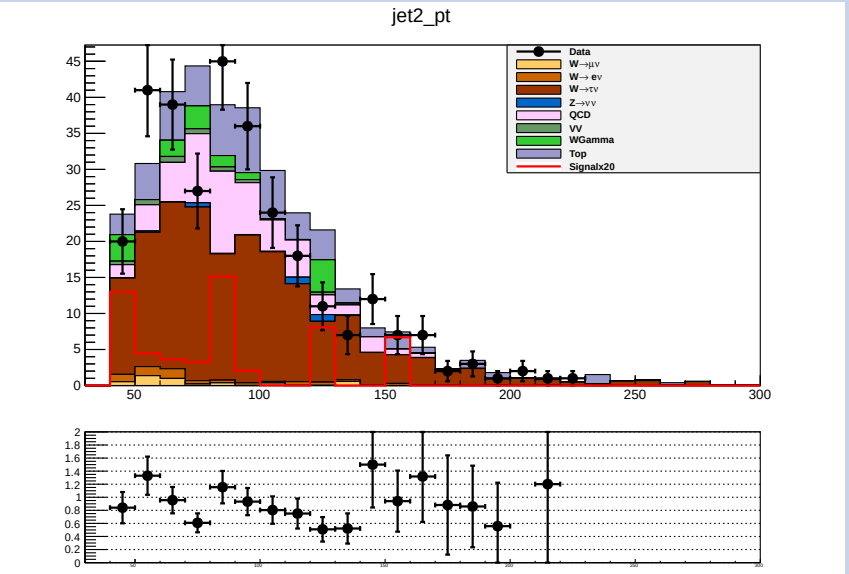


New control plots - taunu

Jet 1 pt



Jet 2 pt



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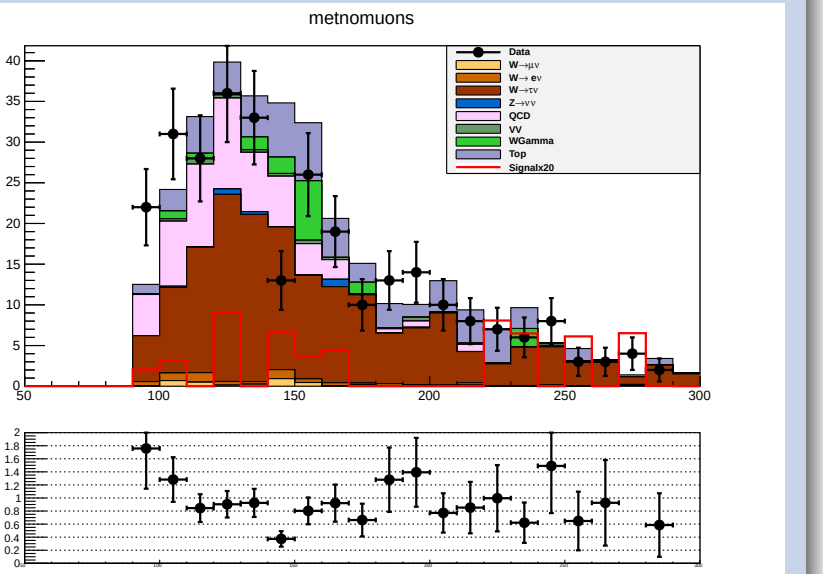
METnomu



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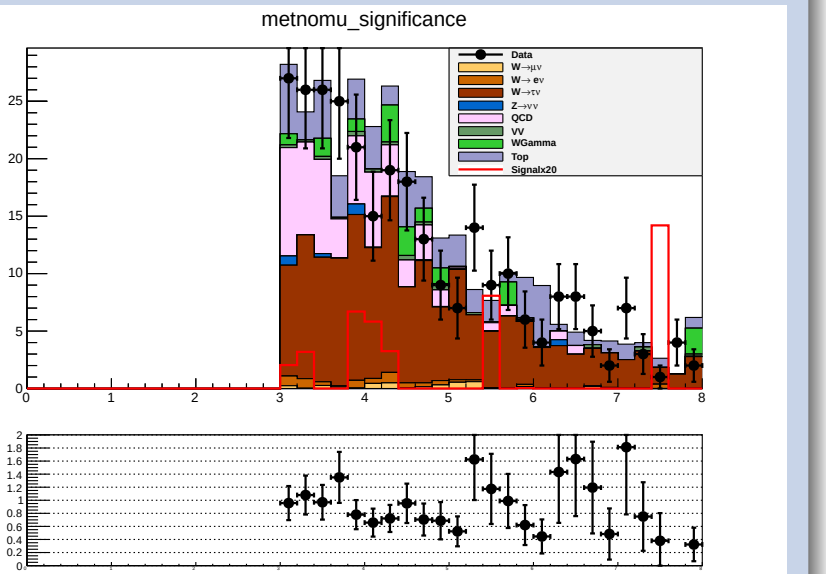
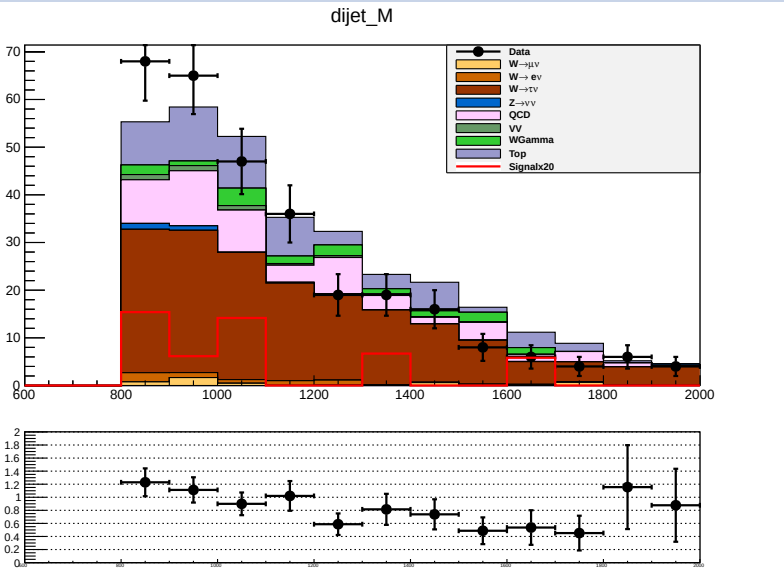


New control plots - taunu

Mjj



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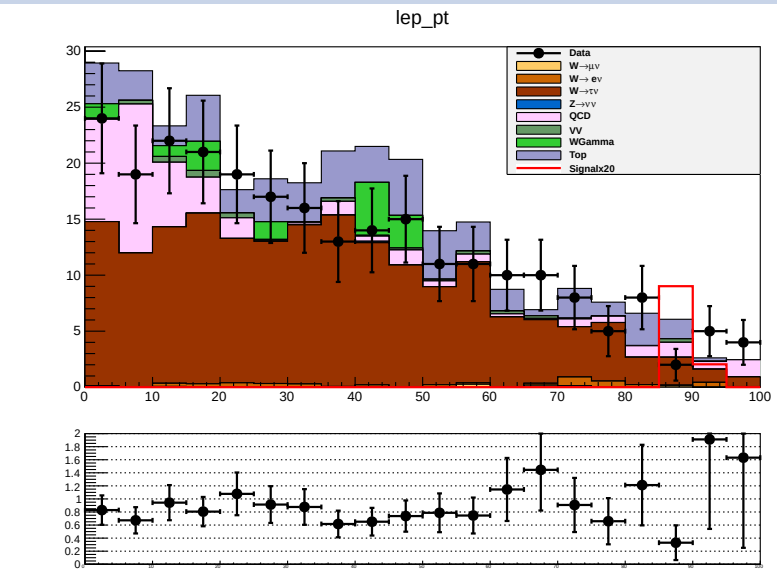

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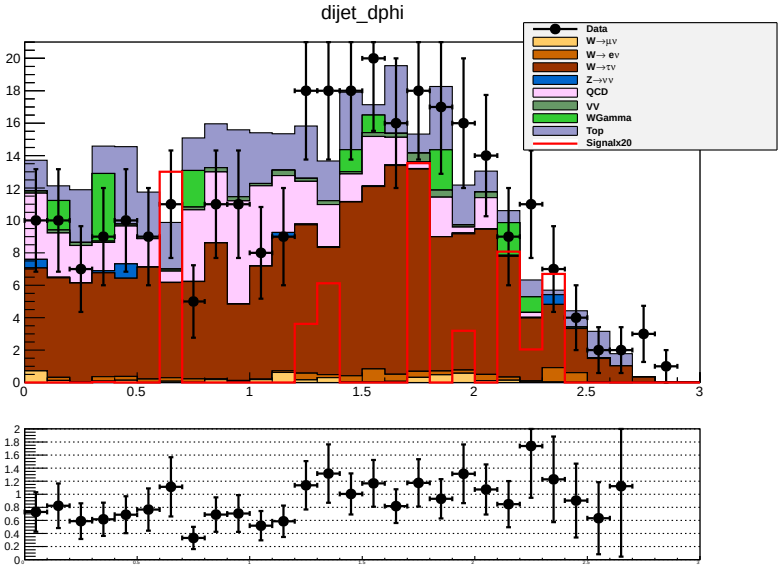
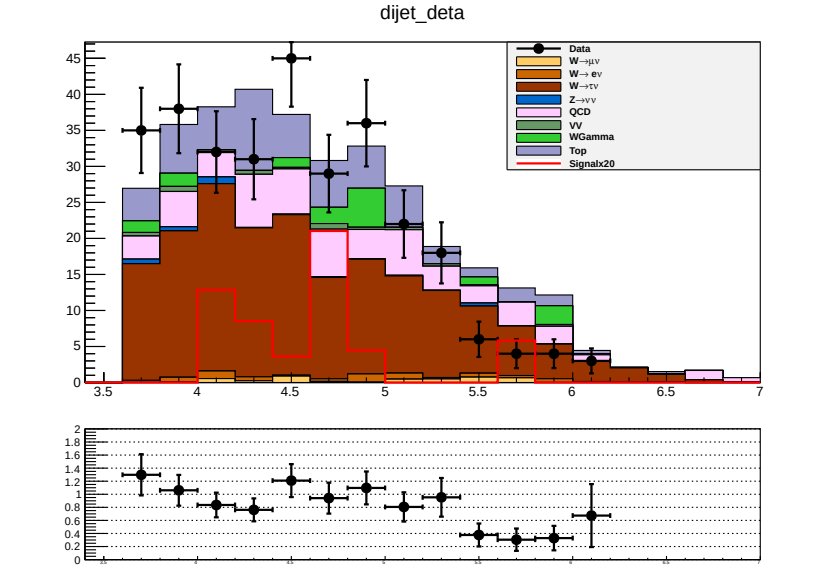
Dphijj

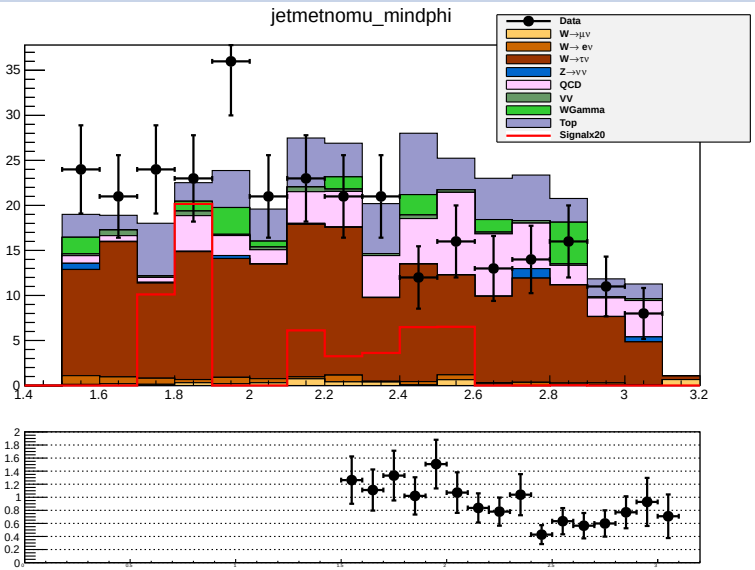


Detajj

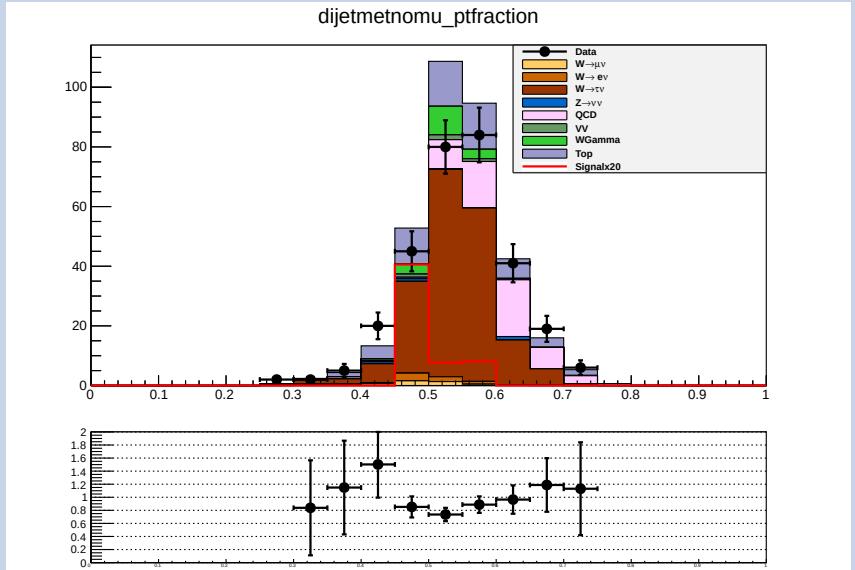


New control plots - taunu

Jet-met mindphi

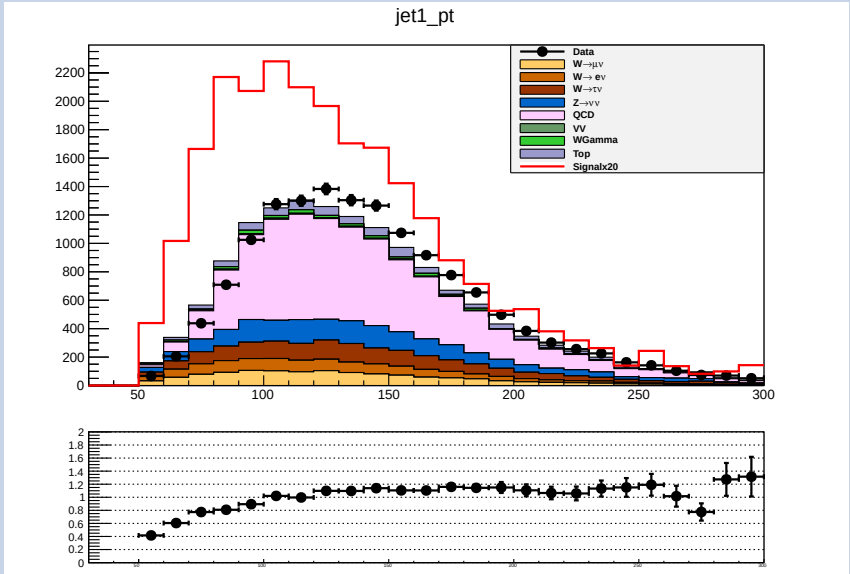


dijet-metnomu pt fraction

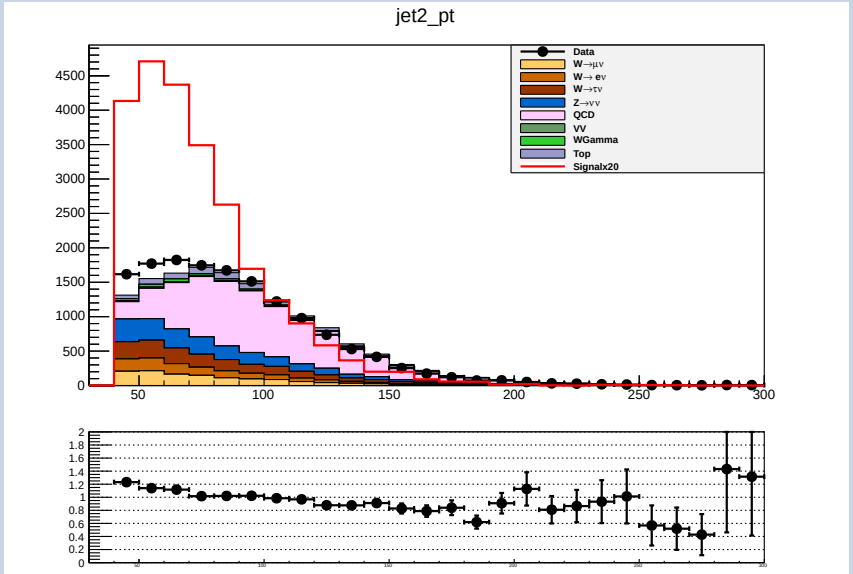


New control plots - sig

Jet 1 pt

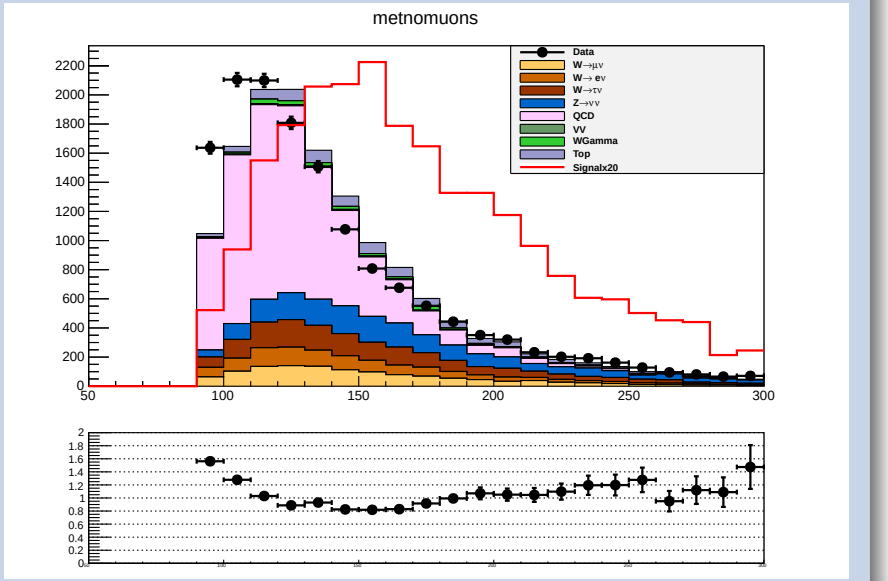


Jet 2 pt

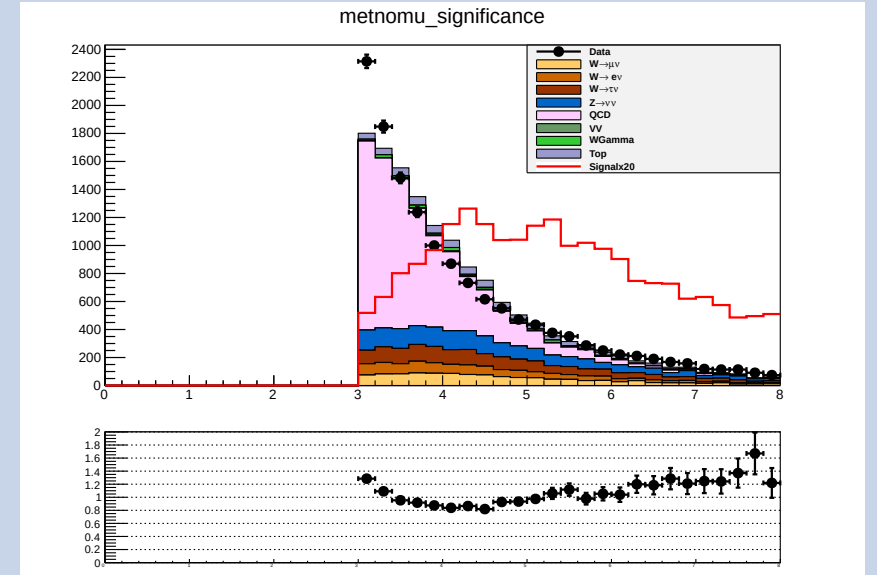


New control plots - sig

METnomu

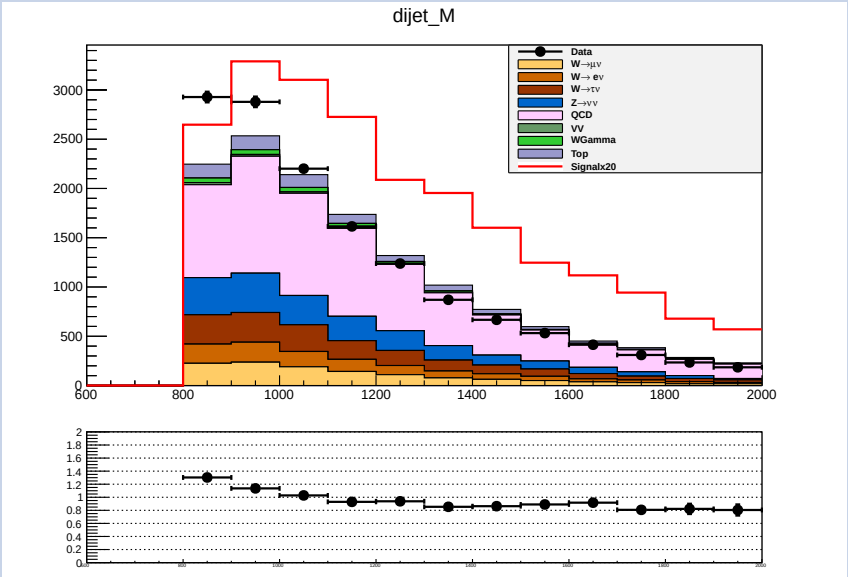


METnomusig



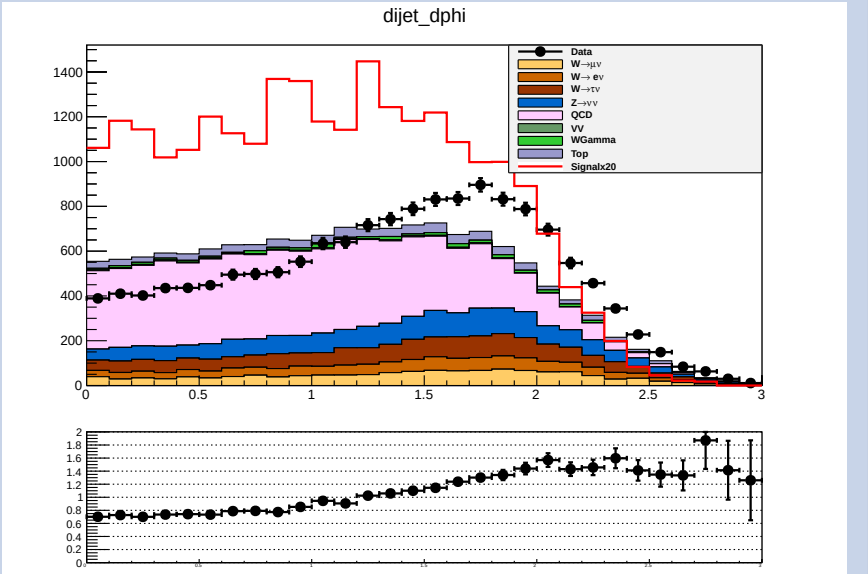
New control plots - sig

Mjj

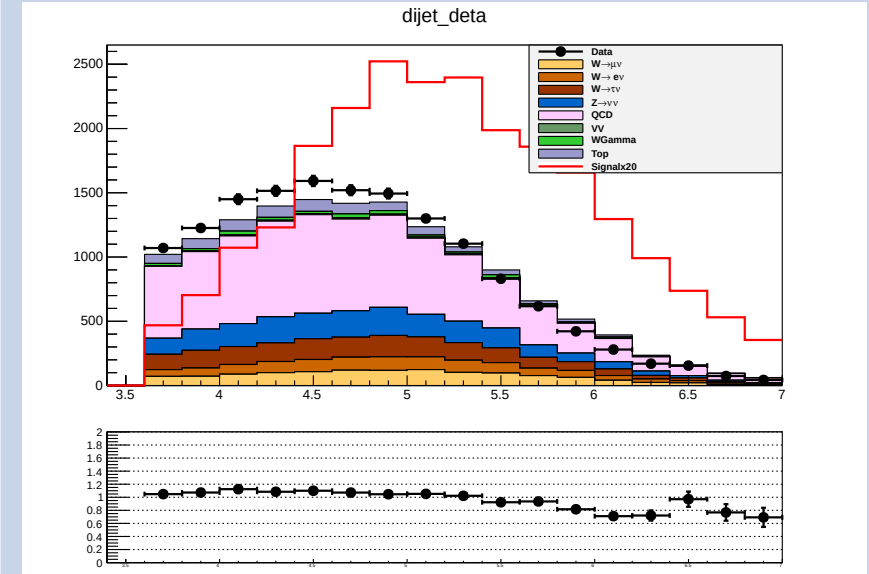


New control plots - sig

Dphijj

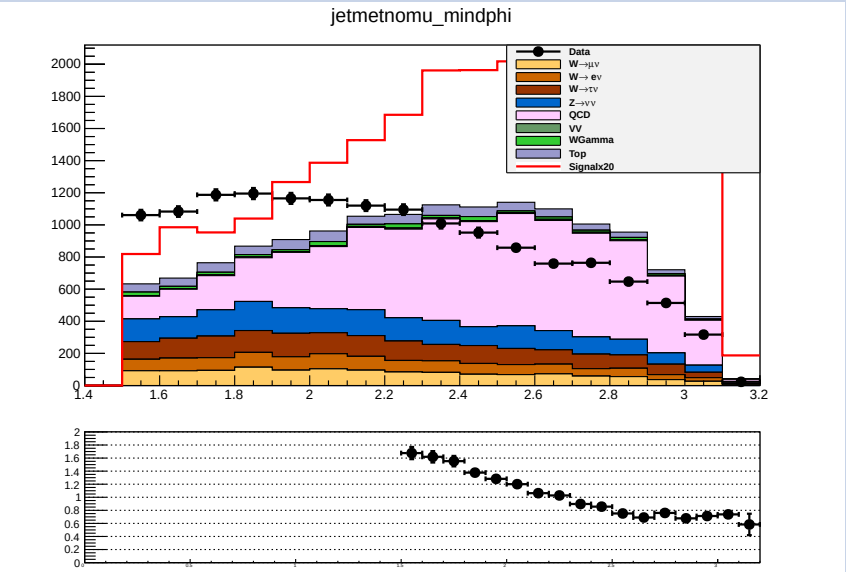


Detajj

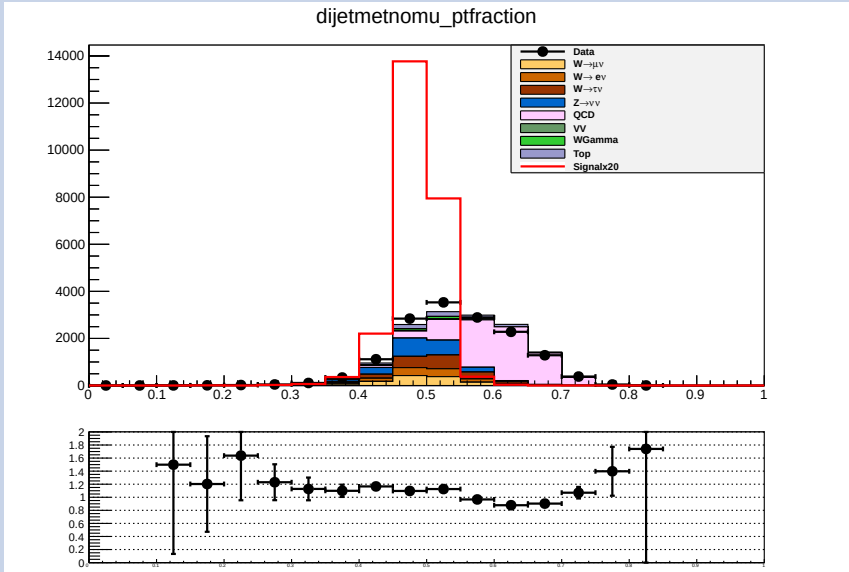


New control plots - sig

Jet-met mindphi



dijet-metnomu pt fraction



Conclusions

- test

Backup