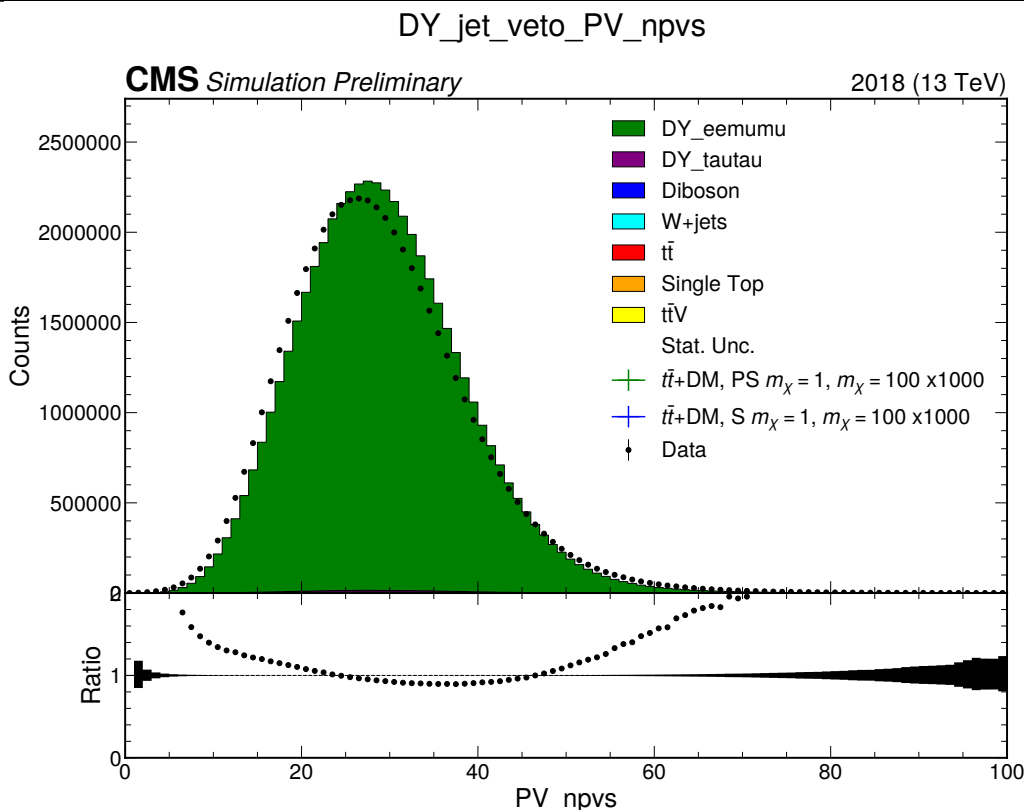
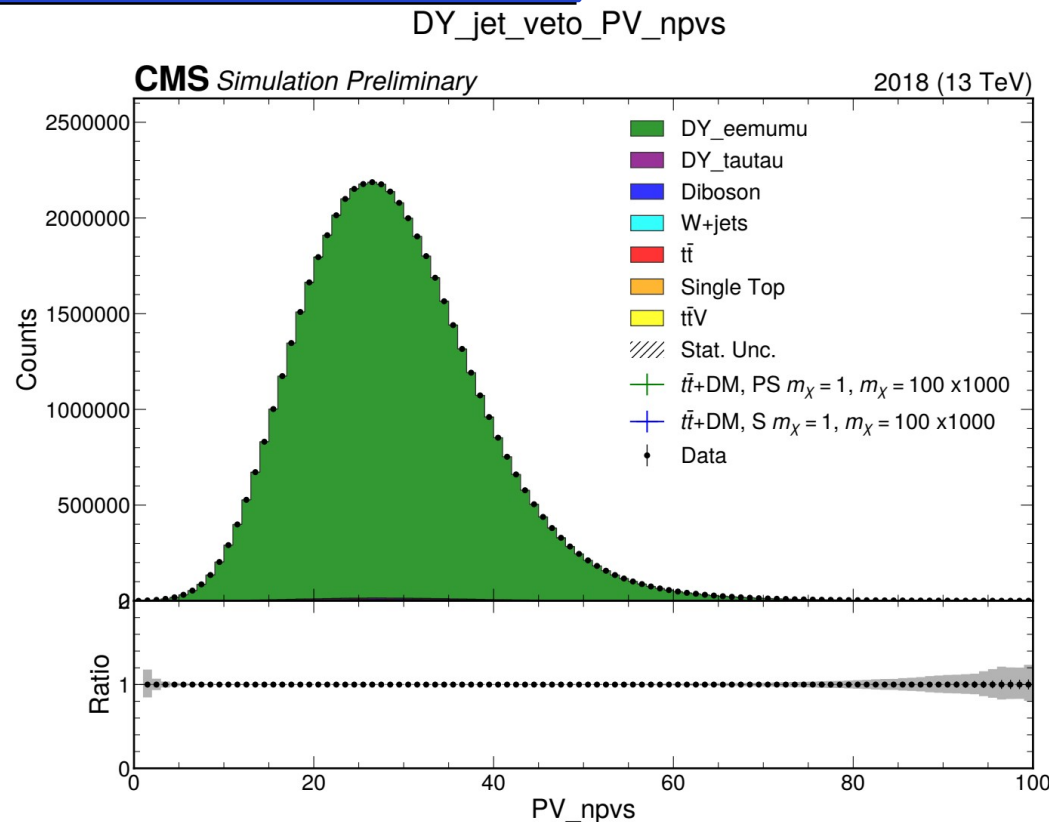


# NPV reweighting in 0 jet CR



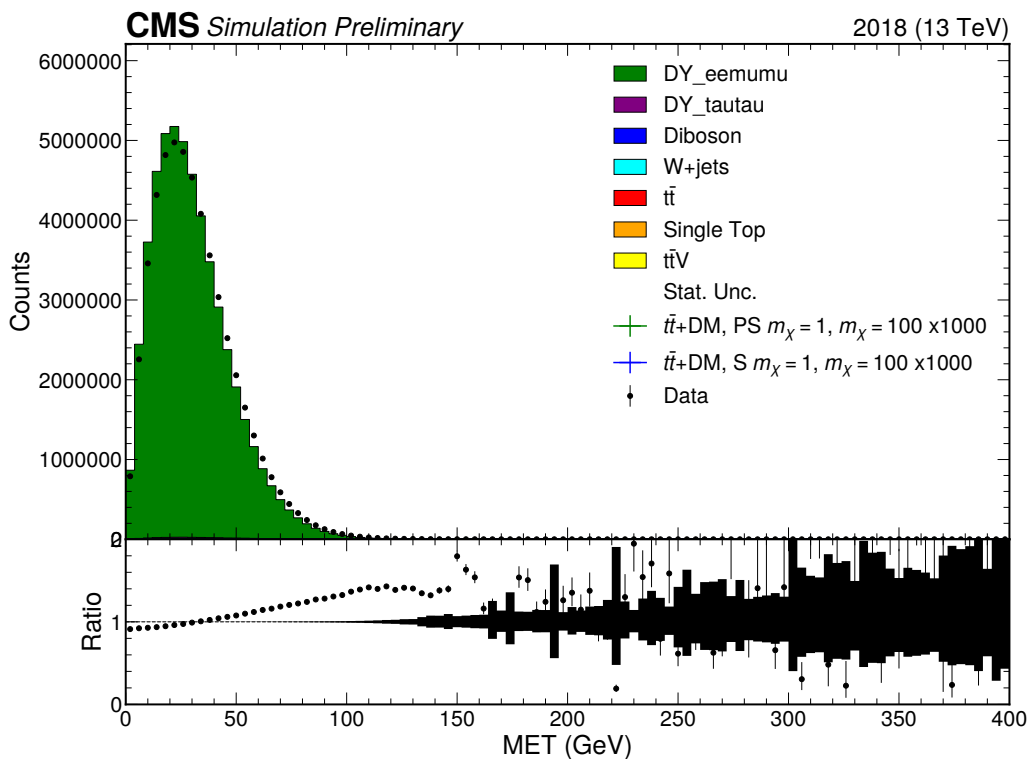
With only Zpt reweighting (from last week)



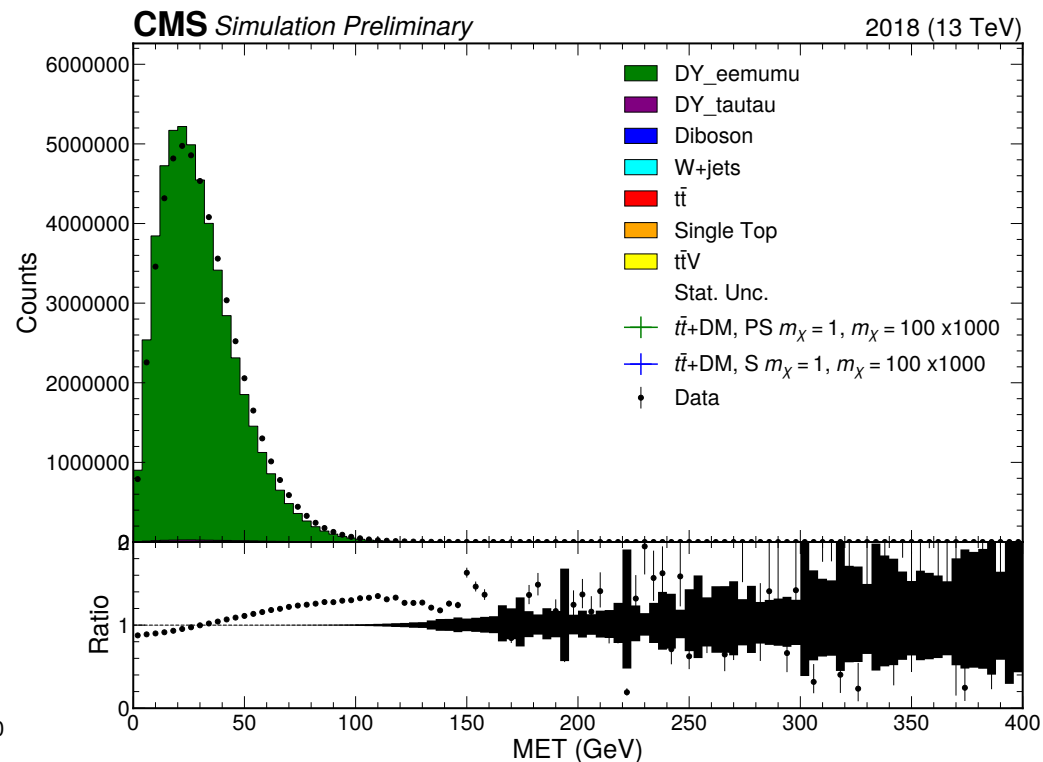
Also applying NPV reweighting

# Effect on (PF) MET

DY\_jet\_veto\_MET

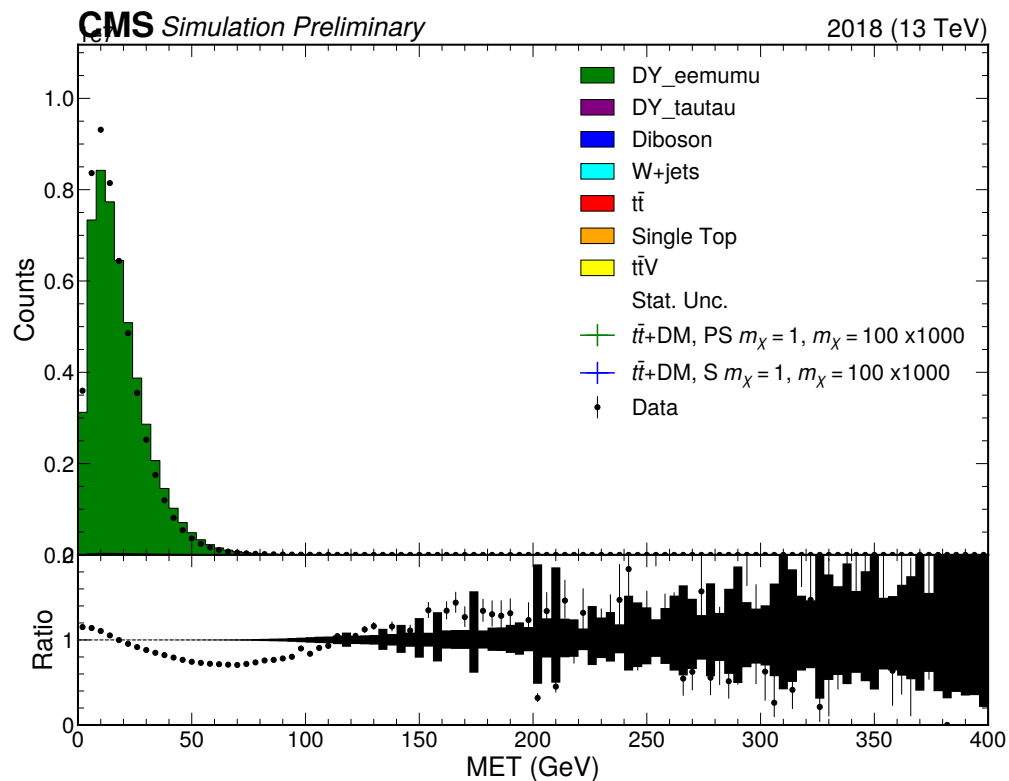


DY\_jet\_veto\_MET

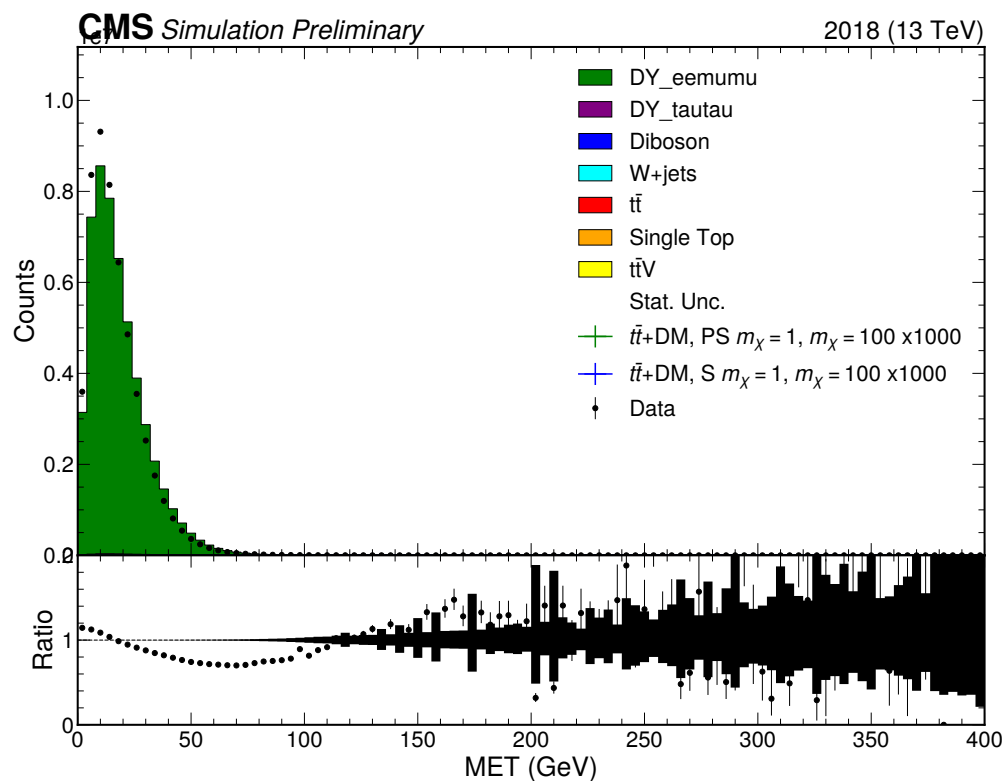


# Effect on Puppi MET

DY\_jet\_veto\_MET



DY\_jet\_veto\_MET



# Conclusion

- Two main discrepancies: Zpt mis-modelling (which leads to lepton and dilepton issues) and Jet mis measurement (leading to MET issues)
- These can't really be resolved, so it would be best not to use this region- have discussed this with Cedric, and he was coming to similar conclusions
- Is it worth discussing this further (e.g. in top group meeting)?
- Have now moved on to move to NanoAODv6 and official signal samples