TMG Meeting NTUA Report 24/2/2020

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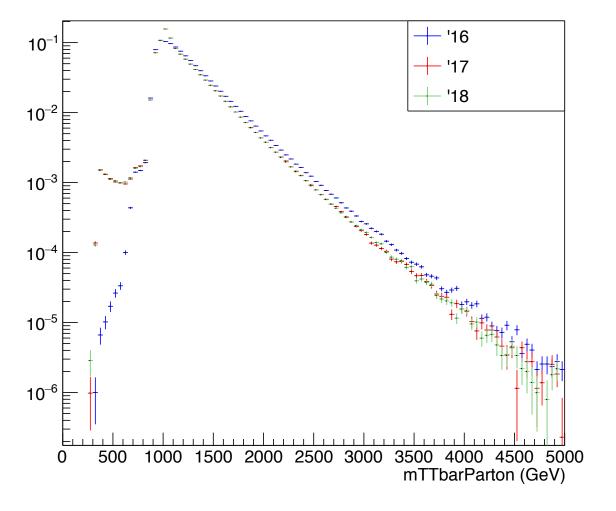


• Purpose:

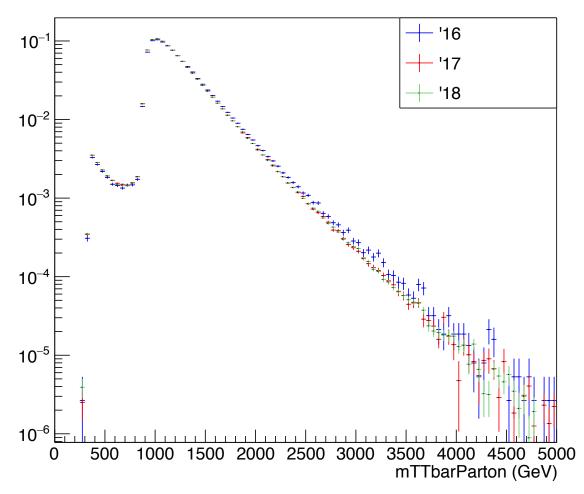
- Show the inconsistencies between the different Nominal and Mtt files
- 2016, 2017, 2018
- Parton Level quantities

Year	Type of File	DAS
2016	TT Mtt 700-1000	/TT Mtt-700to1000 TuneCUETP8M2T4 13TeV-powheg-pythia8/RunlISummer16MiniAODv3-PUMoriond17 94X mcRun2 asymptotic v3-v2/MINIAODSIM
	TT Mtt 1000-Inf	/TT Mtt-1000toInf TuneCUETP8M2T4 13TeV-powheg-pythia8/RunIISummer16MiniAODv3-PUMoriond17 94X mcRun2 asymptotic v3-v2/MINIAODSIM
	TT Nominal	/TT TuneCUETP8M2T4 13TeV-powheg-pythia8/RunllSummer16MiniAODv3-PUMoriond17 94X mcRun2 asymptotic v3-v1/MINIAODSIM
2017	TT Mtt 700-1000	/TT Mtt-700to1000 TuneCP5 13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017 12Apr2018 94X mc2017 realistic v14-v1/MINIAODSIM
	TT Mtt 1000-Inf	/TT_Mtt-1000toInf_TuneCP5_13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017_12Apr2018_94X_mc2017_realistic_v14-v1/MINIAODSIM
	TT Nominal Hadronic	/TTToHadronic TuneCP5 13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017 12Apr2018 94X mc2017 realistic v14-v1/MINIAODSIM
	TT Nominal Semilepton	/TTToSemiLeptonic_TuneCP5_13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017_12Apr2018_94X_mc2017_realistic_v14-v2/MINIAODSIM
	TT Nominal Dilepton	TTTo2L2Nu_TuneCP5_13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017_12Apr2018_94X_mc2017_realistic_v14-v2/MINIAODSIM
2018	TT Mtt 700-1000	/TT_Mtt-700to1000_TuneCP5_PSweights_13TeV-powheg-pythia8/RunllAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Mtt 1000-Inf	/TT Mtt-1000toInf TuneCP5 13TeV-powheg-pythia8/RunlIAutumn18MiniAOD-102X upgrade2018 realistic v15-v1/MINIAODSIM
	TT Nominal Hadronic	/TTToHadronic_TuneCP5_13TeV-powheg-pythia8/RunlIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Nominal Semilepton	/TTToSemiLeptonic_TuneCP5_13TeV-powheg-pythia8/RunlIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Nominal Dilepton	/TTTo2L2Nu_TuneCP5_13TeV-powheg-pythia8/RunlIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM



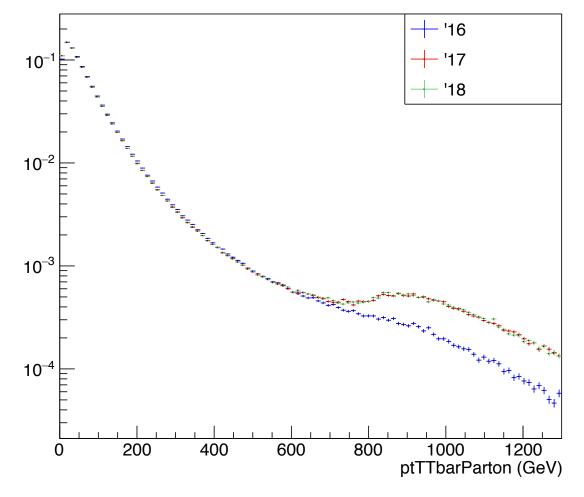


TT Parton Nominal MC

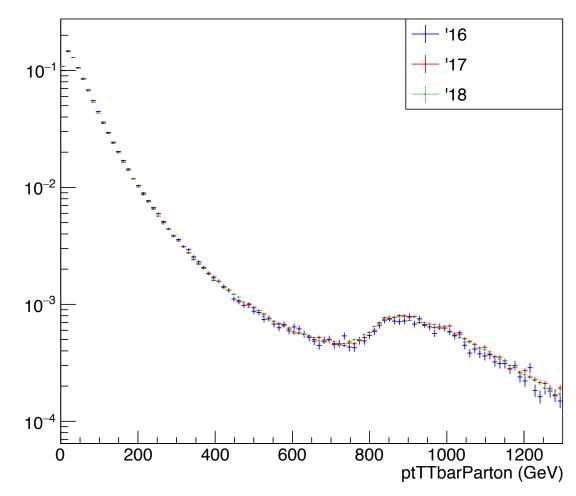






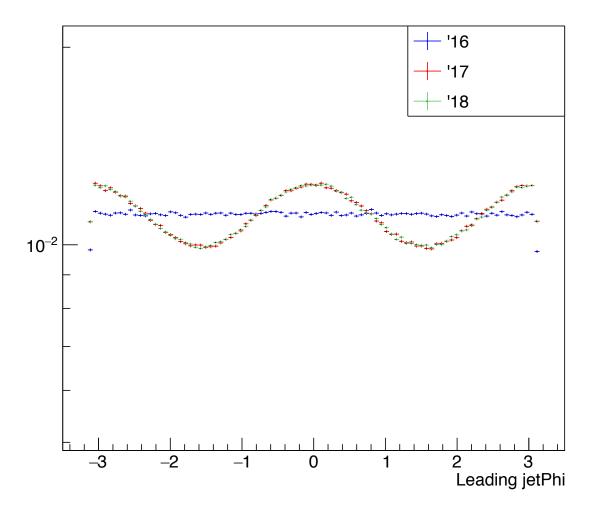


TT Parton Nominal MC

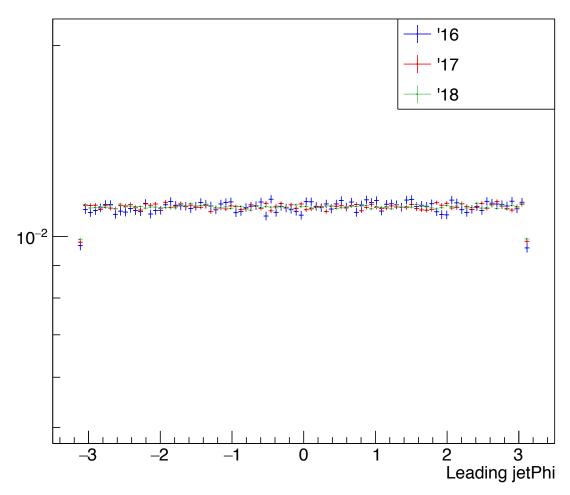




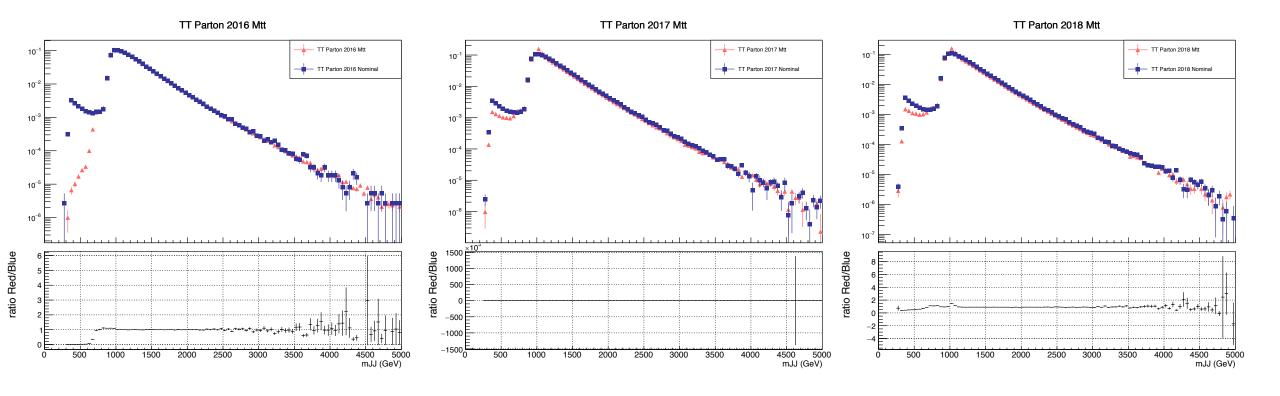
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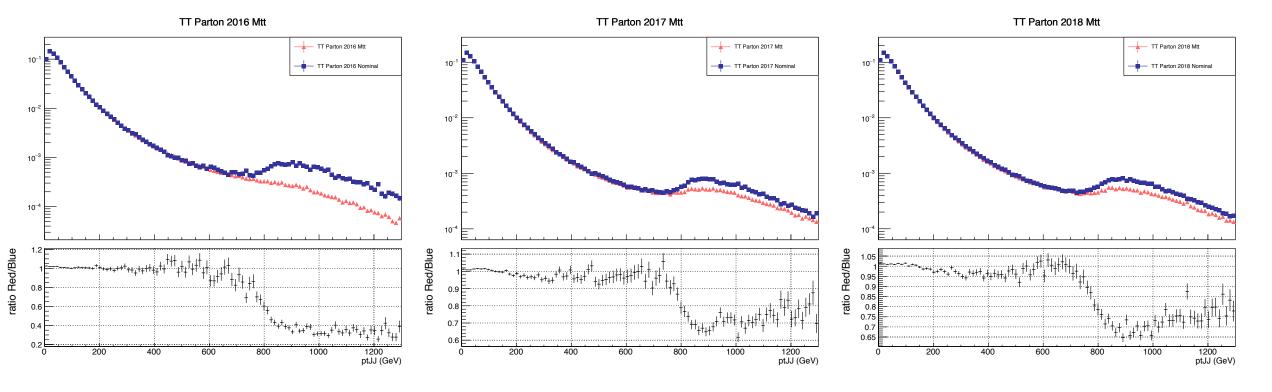
TT Parton Nominal MC



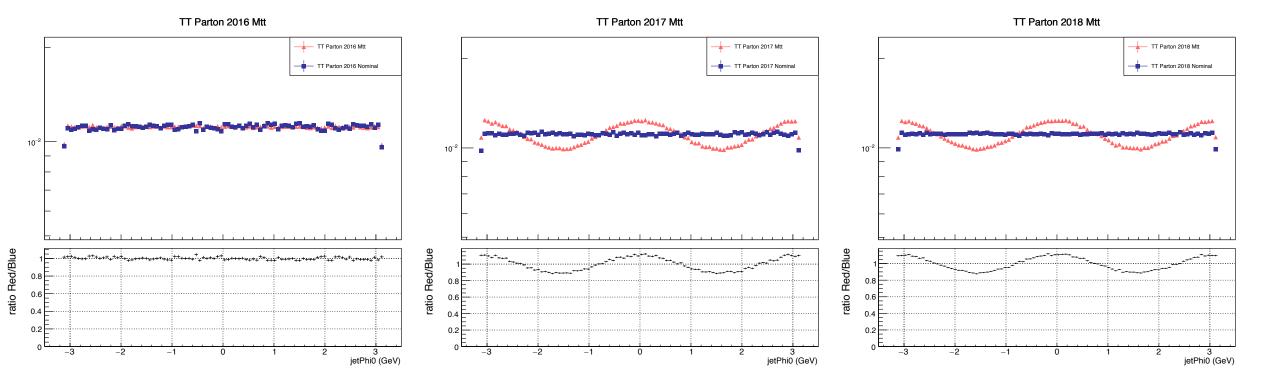




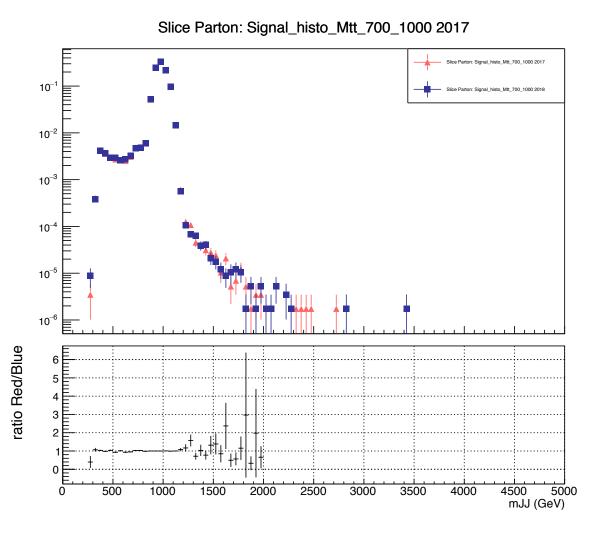


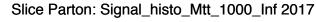


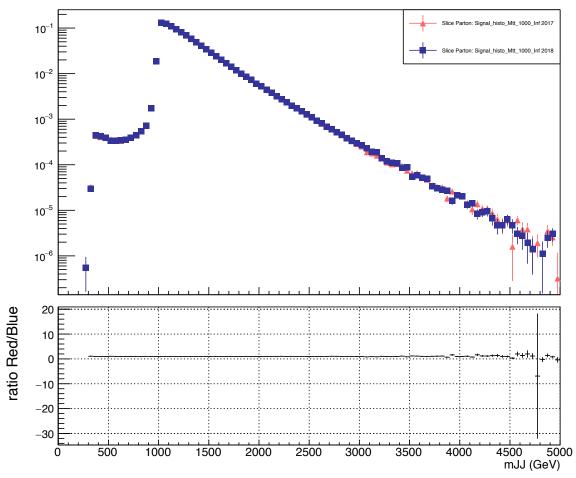


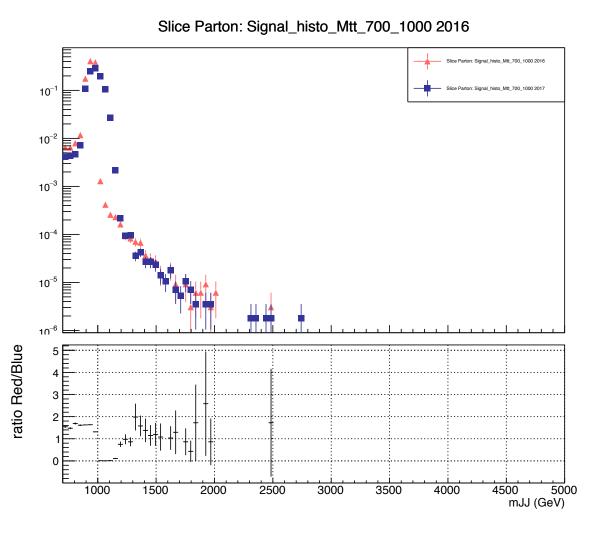


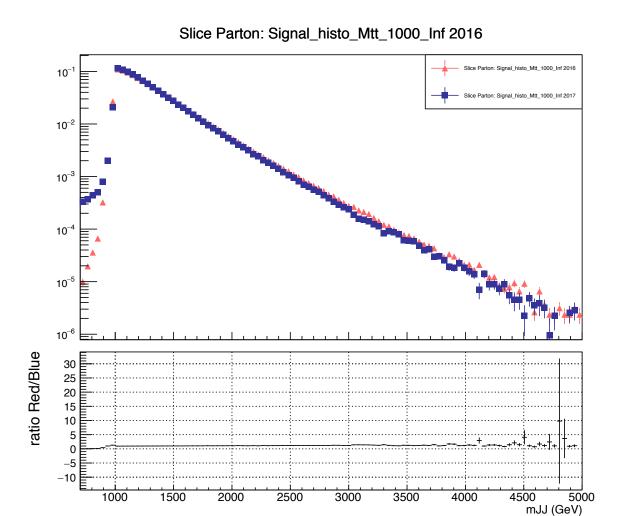






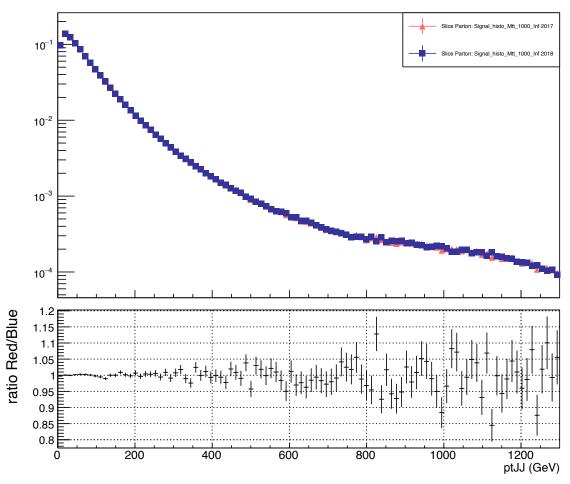




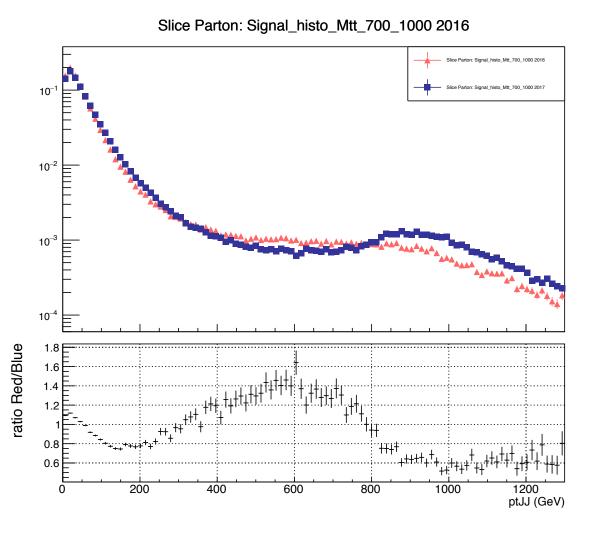


Slice Parton: Signal_histo_Mtt_700_1000 2017 10⁻³ ratio Red/Blue 200 400 600 800 1000 1200 ptJJ (GeV)

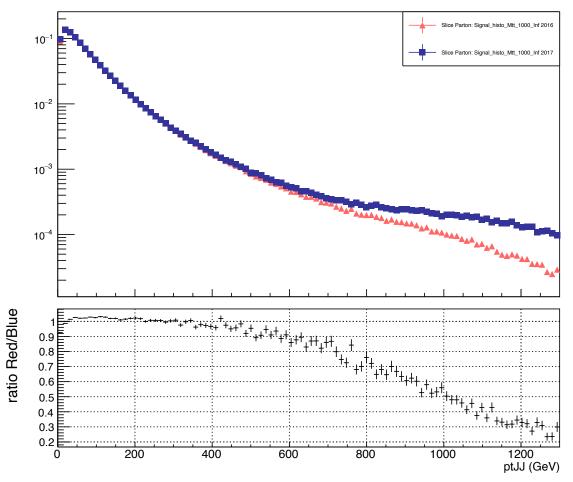
Slice Parton: Signal_histo_Mtt_1000_Inf 2017





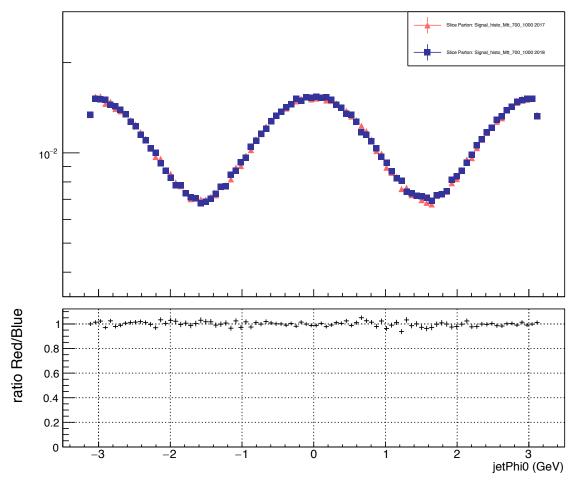


Slice Parton: Signal_histo_Mtt_1000_Inf 2016

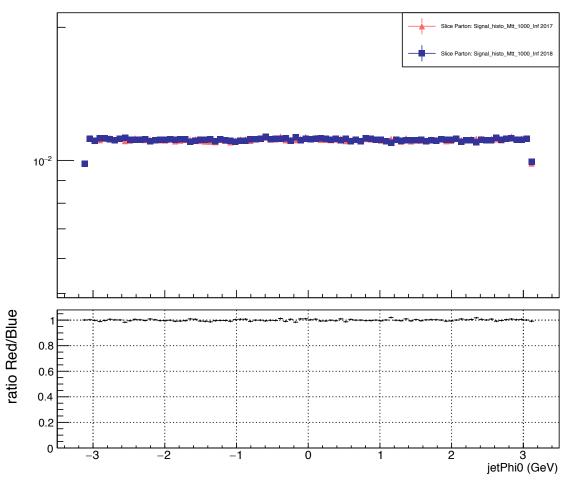




Slice Parton: Signal_histo_Mtt_700_1000 2017

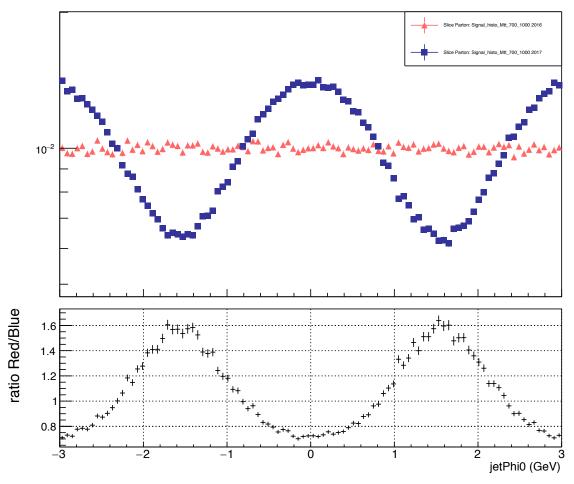


Slice Parton: Signal_histo_Mtt_1000_Inf 2017





Slice Parton: Signal_histo_Mtt_700_1000 2016



Slice Parton: Signal_histo_Mtt_1000_Inf 2016

