

TMG Meeting NTUA Report 24/2/2020

K. Kousouris, G. Tsiapolitis, G.Bakas, I. Papakrivopoulos

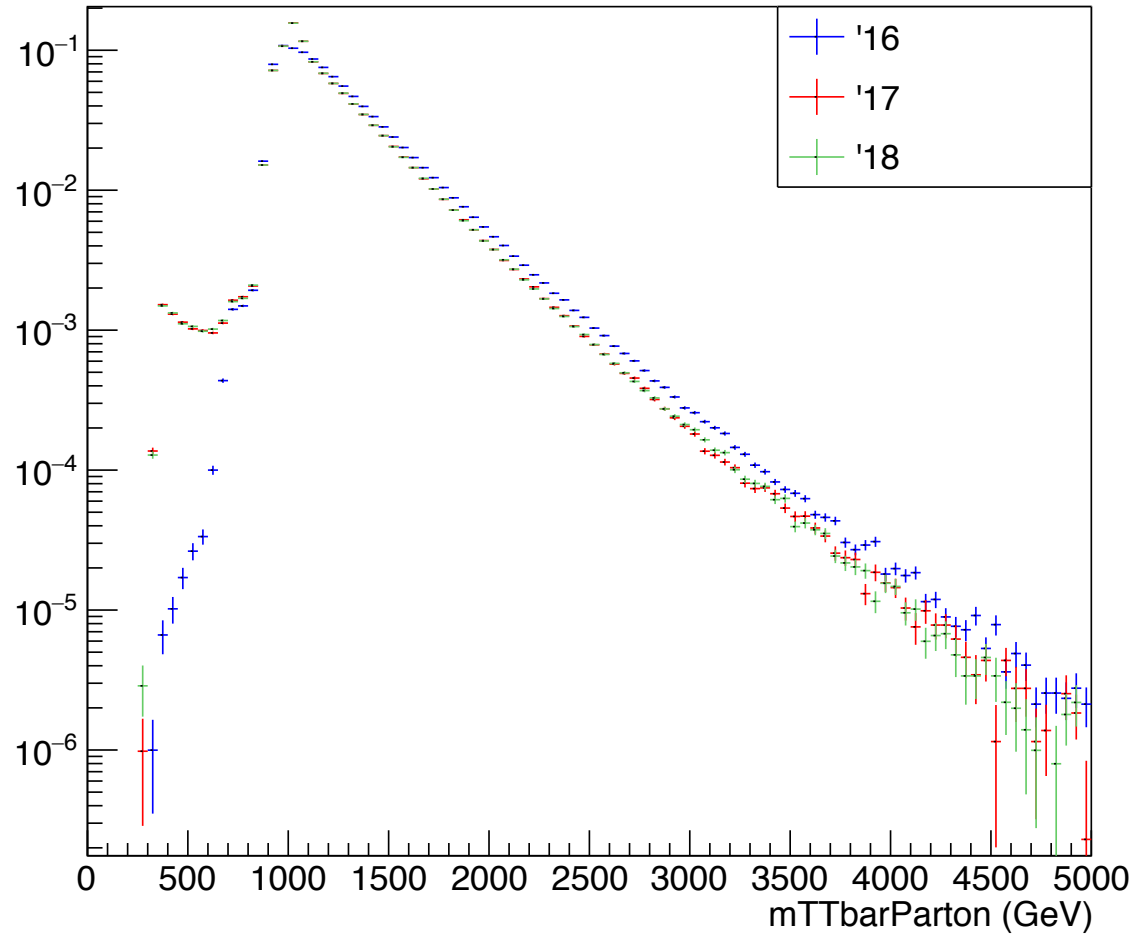


- Purpose:
 - Show the inconsistencies between the different Nominal and Mtt files
 - 2016, 2017, 2018
 - Parton Level quantities with $p_T > 400$ GeV (for both partons)

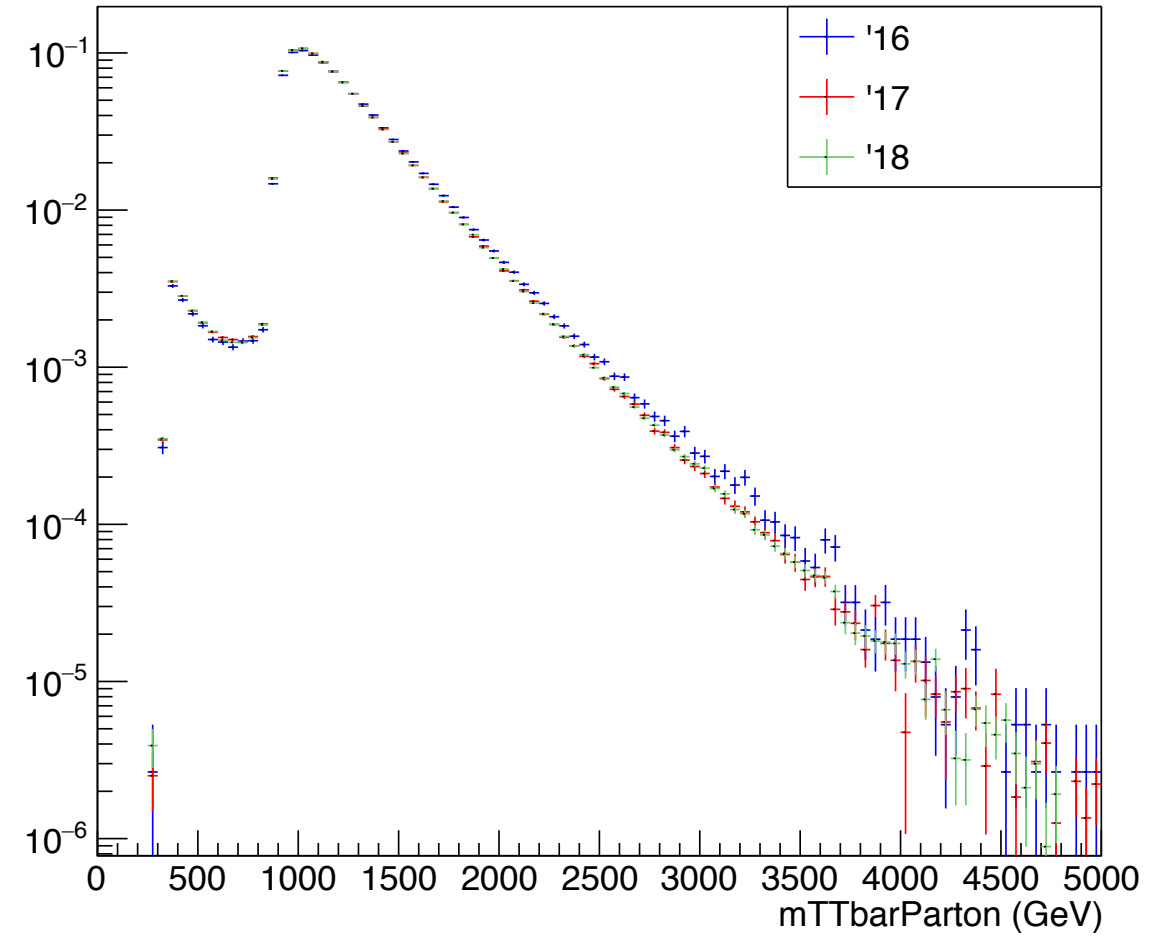
Year	Type of File	DAS
2016	TT Mtt 700-1000	/TT_Mtt-700to1000_TuneCUETP8M2T4_13TeV-powheg-pythia8/RunIISummer16MiniAODv3-PUMoriond17_94X_mcRun2_asymptotic_v3-v2/MINIAODSIM
	TT Mtt 1000-Inf	/TT_Mtt-1000toInf_TuneCUETP8M2T4_13TeV-powheg-pythia8/RunIISummer16MiniAODv3-PUMoriond17_94X_mcRun2_asymptotic_v3-v2/MINIAODSIM
	TT Nominal	/TT_TuneCUETP8M2T4_13TeV-powheg-pythia8/RunIISummer16MiniAODv3-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/RunIIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Mtt 1000-Inf	/TT_Mtt-1000toInf_TuneCP5_13TeV-powheg-pythia8/RunIIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Nominal Hadronic	/TTToHadronic_TuneCP5_13TeV-powheg-pythia8/RunIIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Nominal Semilepton	/TTToSemiLeptonic_TuneCP5_13TeV-powheg-pythia8/RunIIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM
	TT Nominal Dilepton	/TTTo2L2Nu_TuneCP5_13TeV-powheg-pythia8/RunIIAutumn18MiniAOD-102X_upgrade2018_realistic_v15-v1/MINIAODSIM

MC Closure tests '16, '17 and '18 (shape) for mtt and nominal files

TT Parton Mtt MC

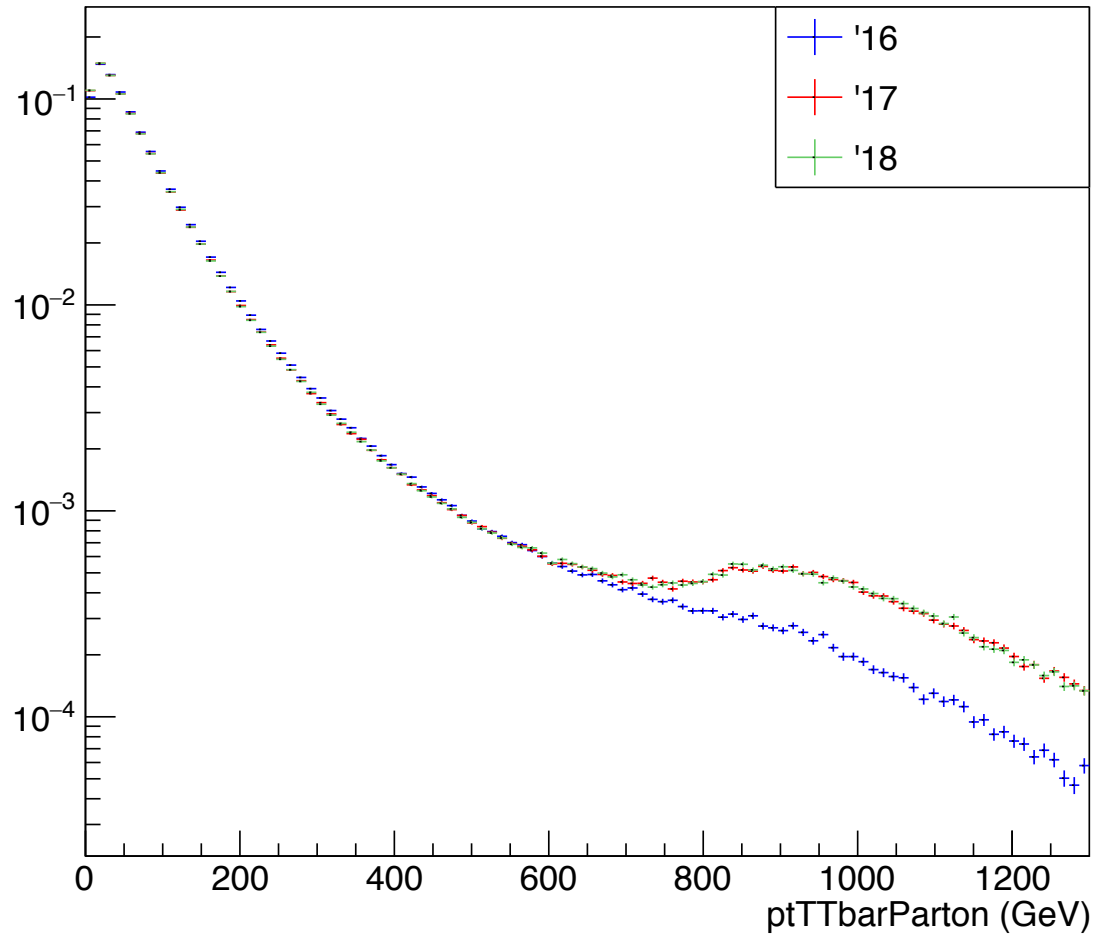


TT Parton Nominal MC

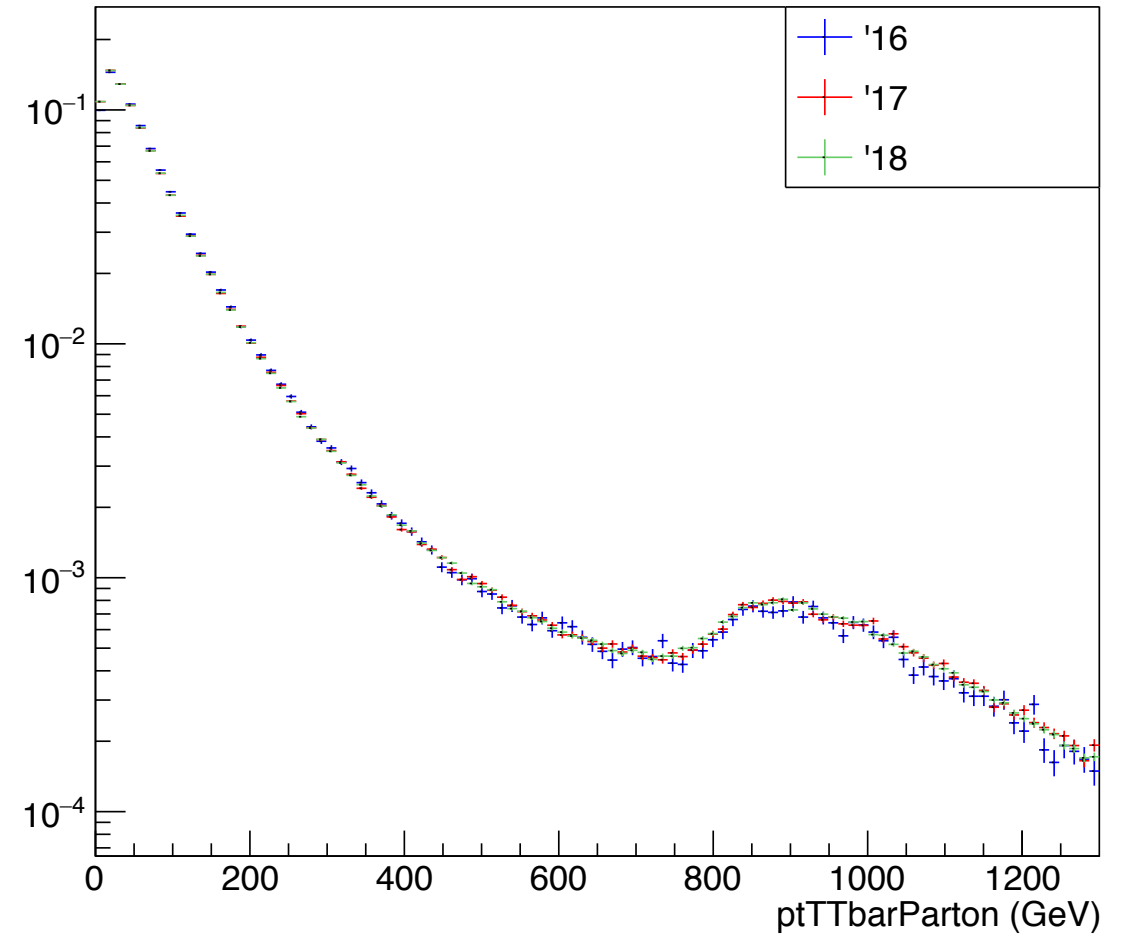


MC Closure tests '16, '17 and '18 (shape) for mtt and nominal files

TT Parton Mtt MC

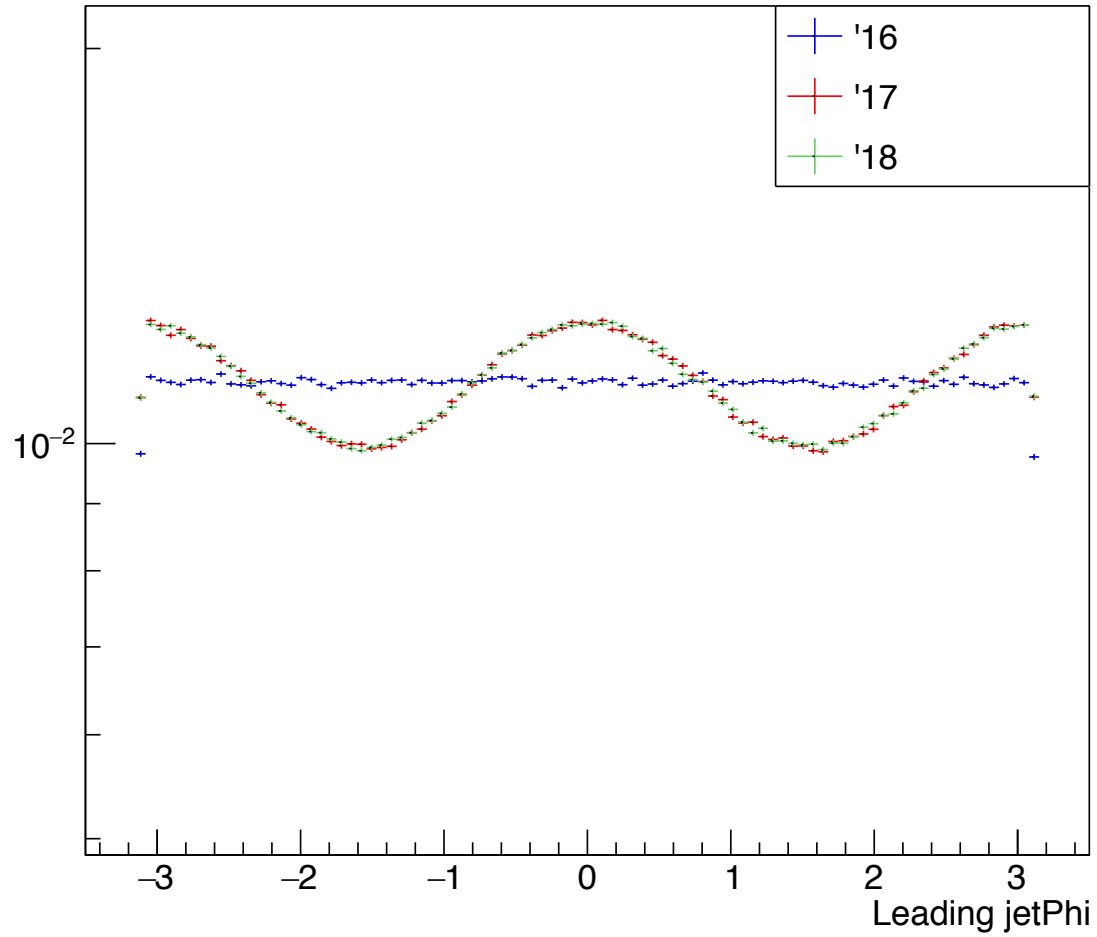


TT Parton Nominal MC

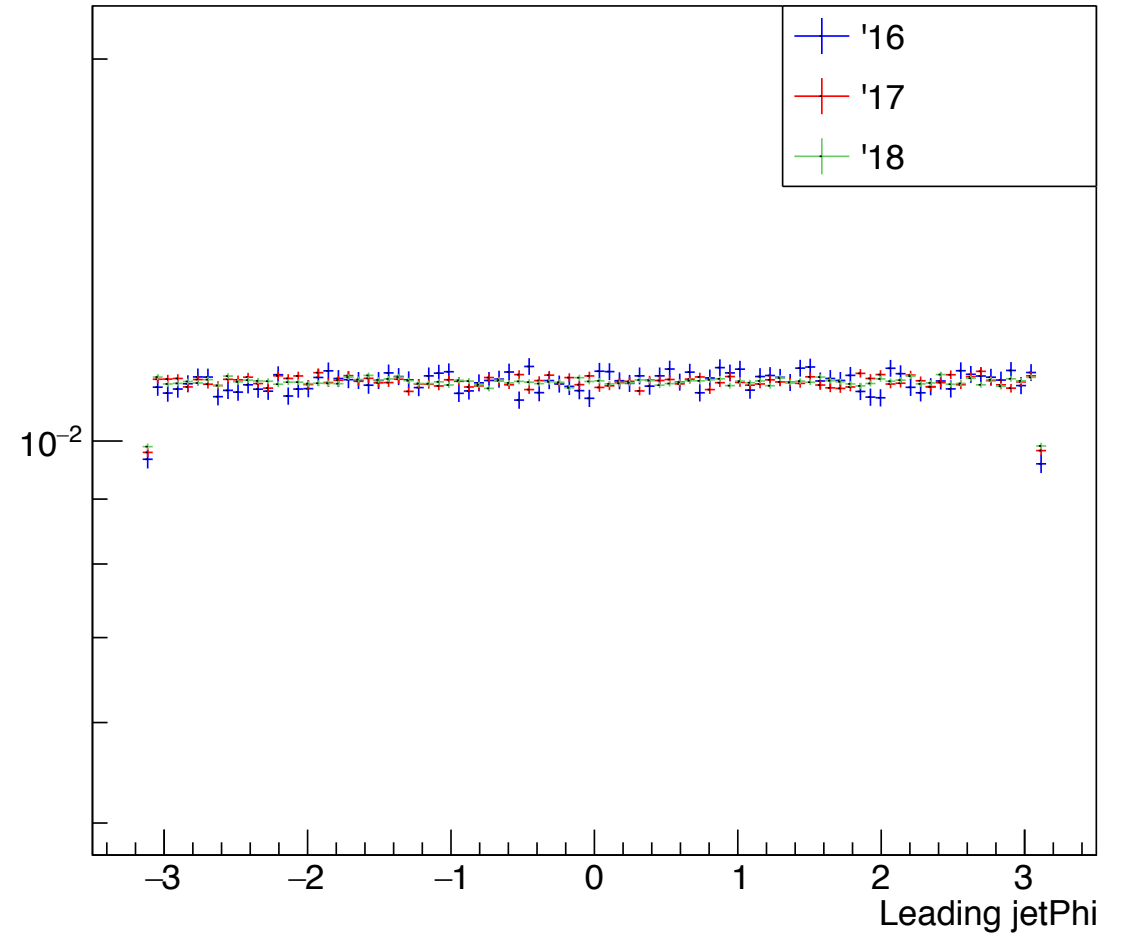


MC Closure tests '16, '17 and '18 (shape) for mtt and nominal files

TT Parton Mtt MC

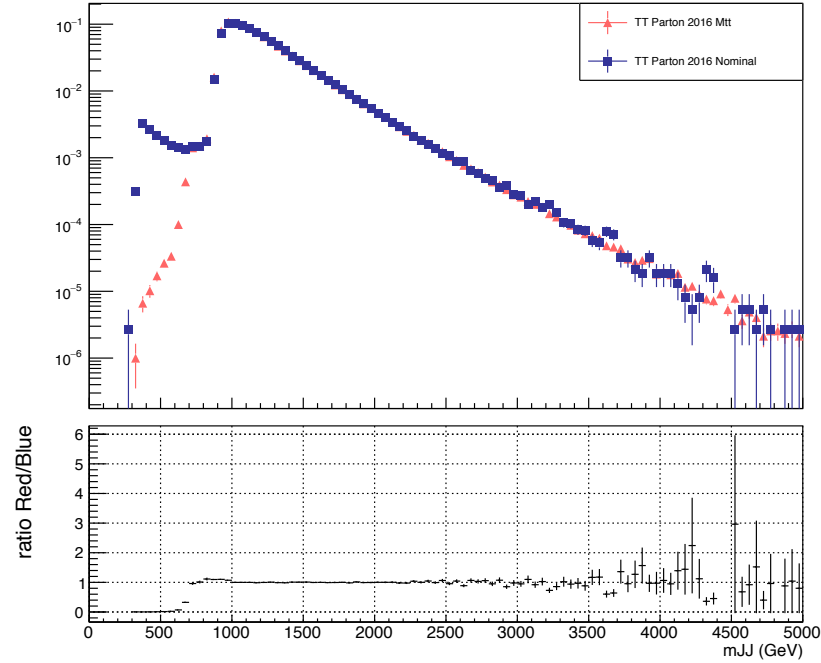


TT Parton Nominal MC

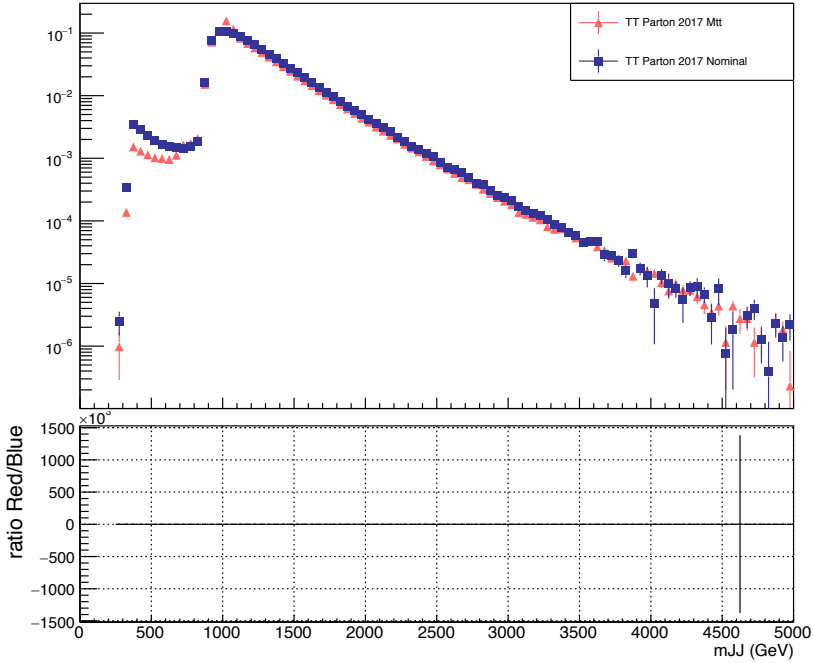


MC Closure Tests Mtt vs Nominal Parton

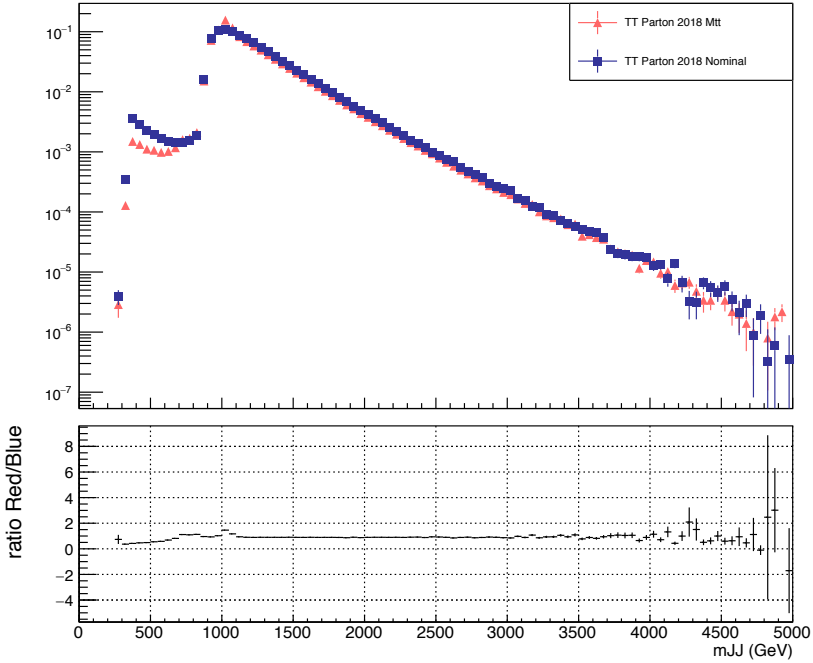
TT Parton 2016 Mtt



TT Parton 2017 Mtt

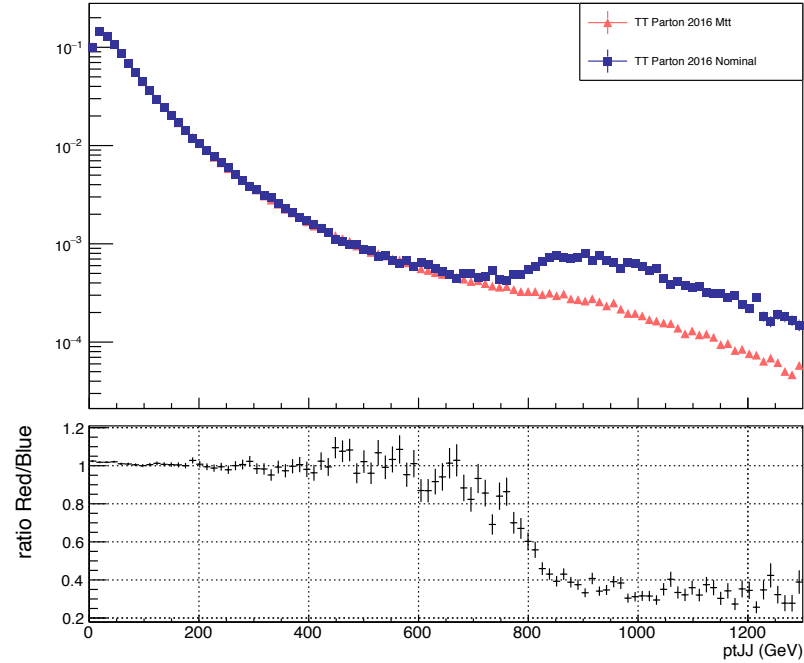


TT Parton 2018 Mtt

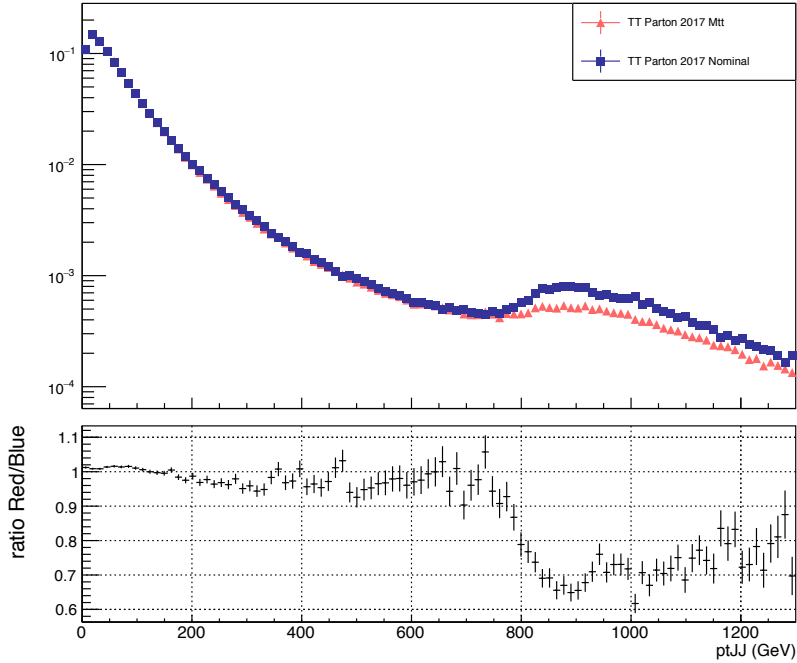


MC Closure Tests Mtt vs Nominal Parton

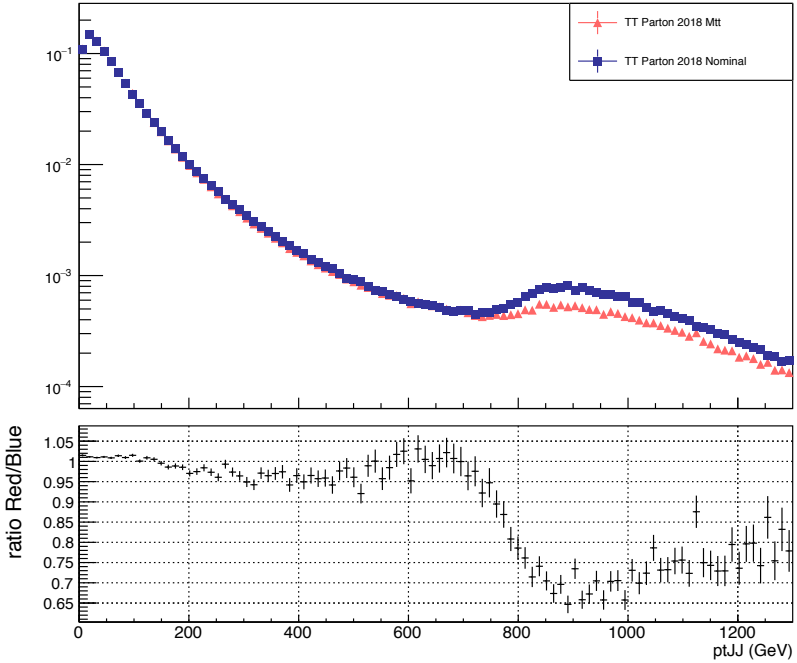
TT Parton 2016 Mtt



TT Parton 2017 Mtt

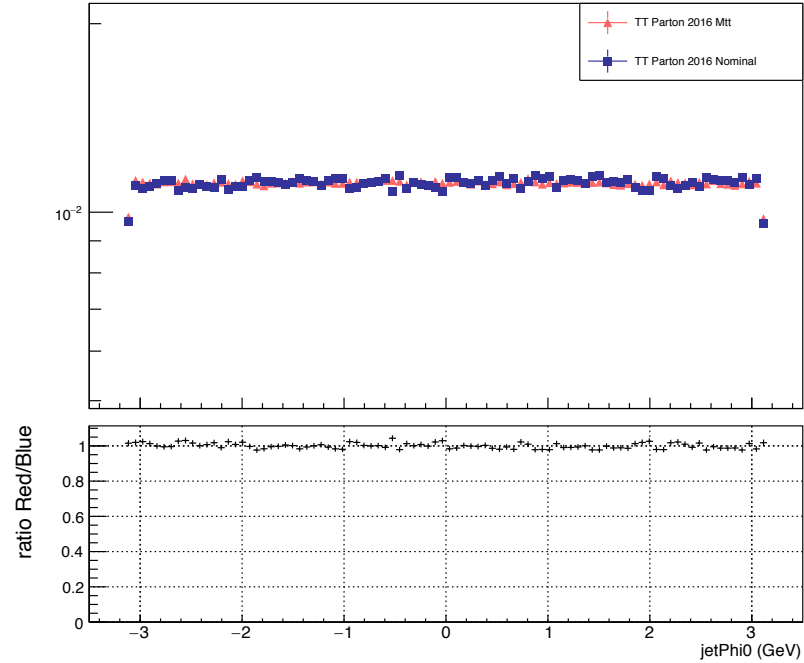


TT Parton 2018 Mtt

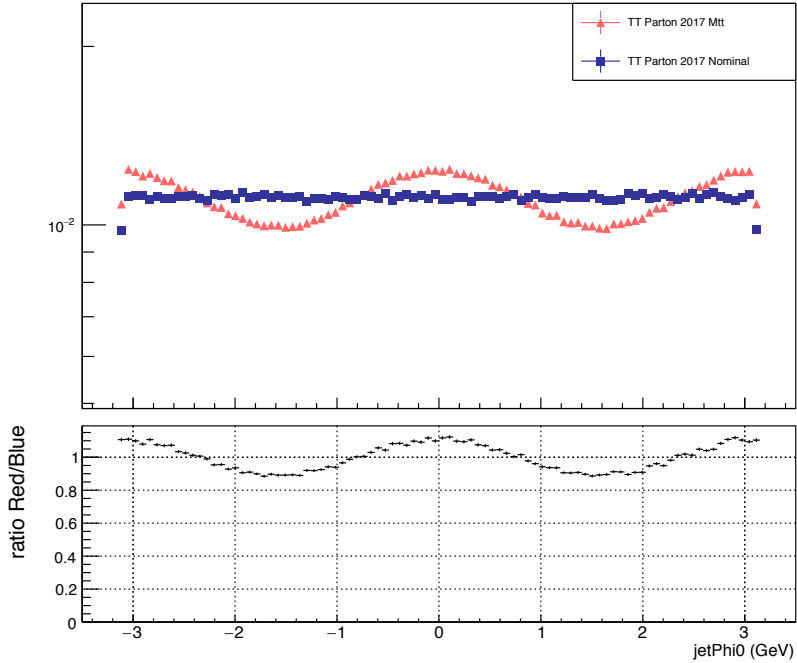


MC Closure Tests Mtt vs Nominal Parton

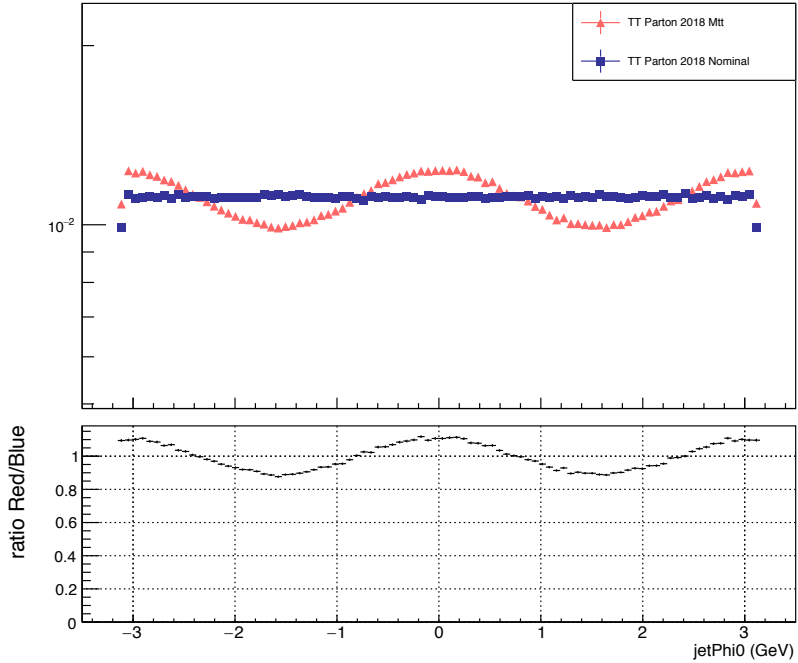
TT Parton 2016 Mtt



TT Parton 2017 Mtt

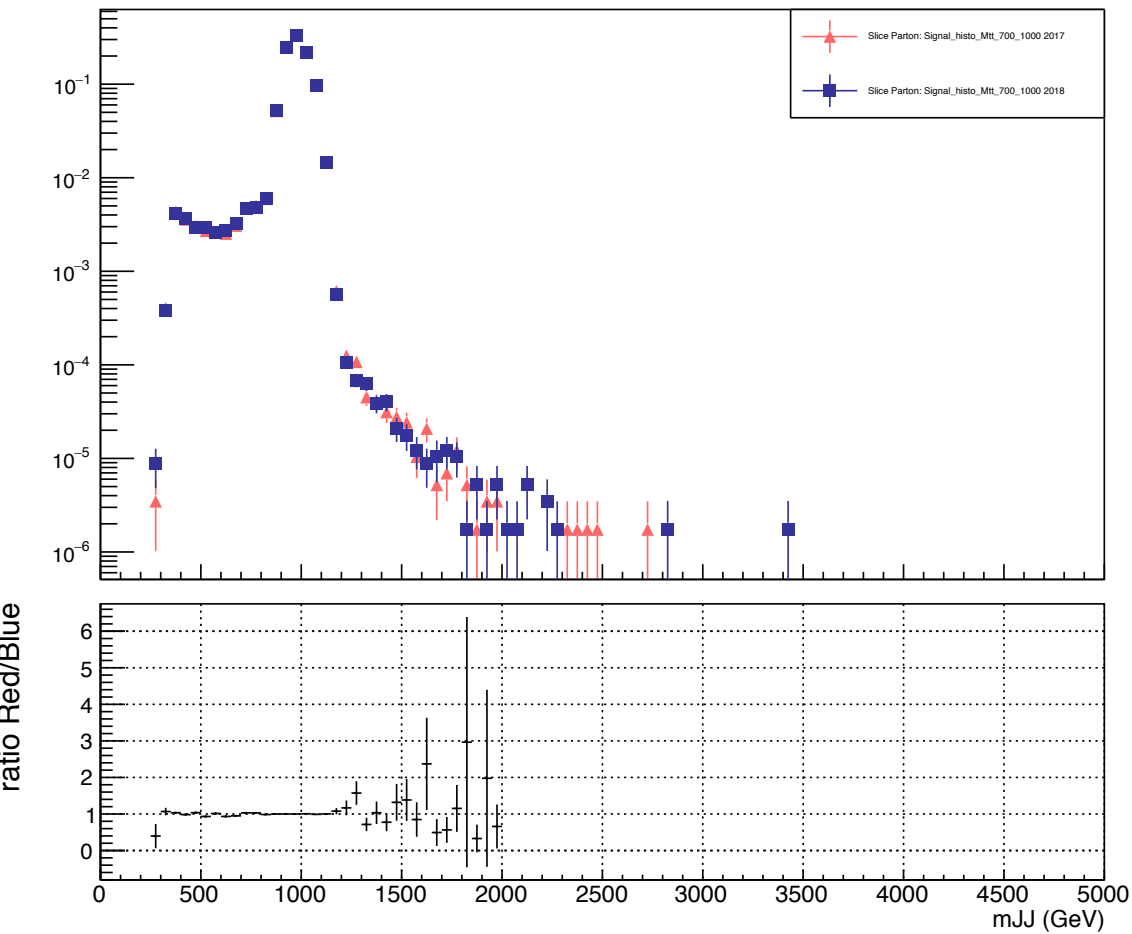


TT Parton 2018 Mtt

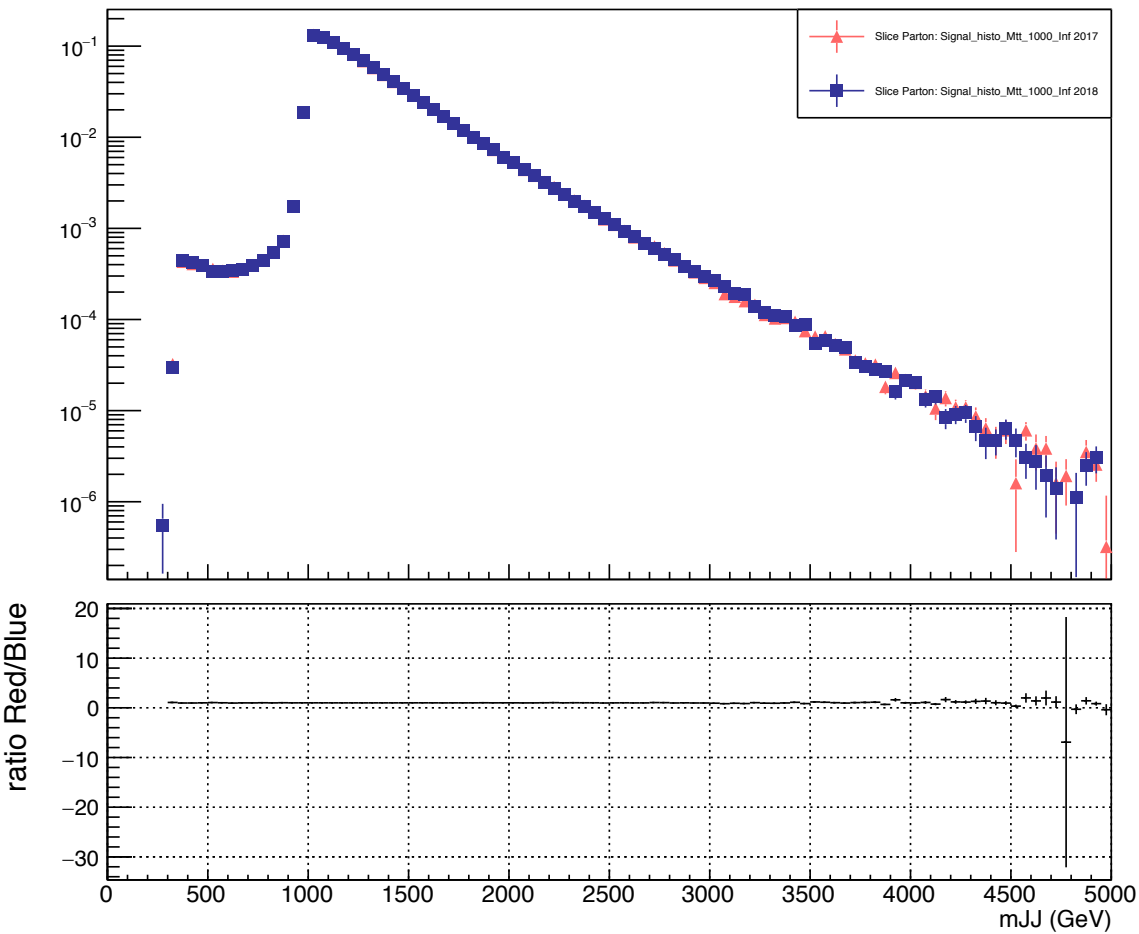


MC Closure Tests Mtt 2017 vs 2018 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2017

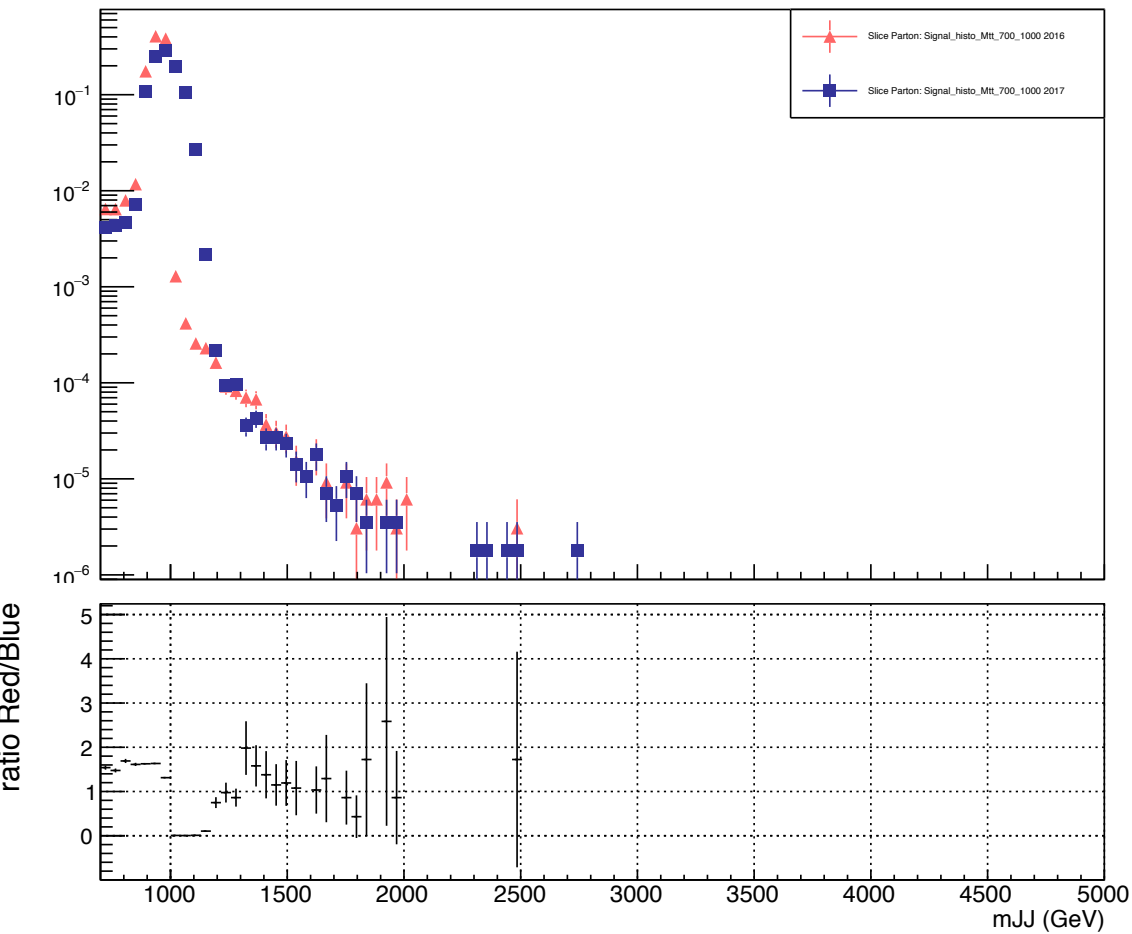


Slice Parton: Signal_histo_Mtt_1000_Inf 2017

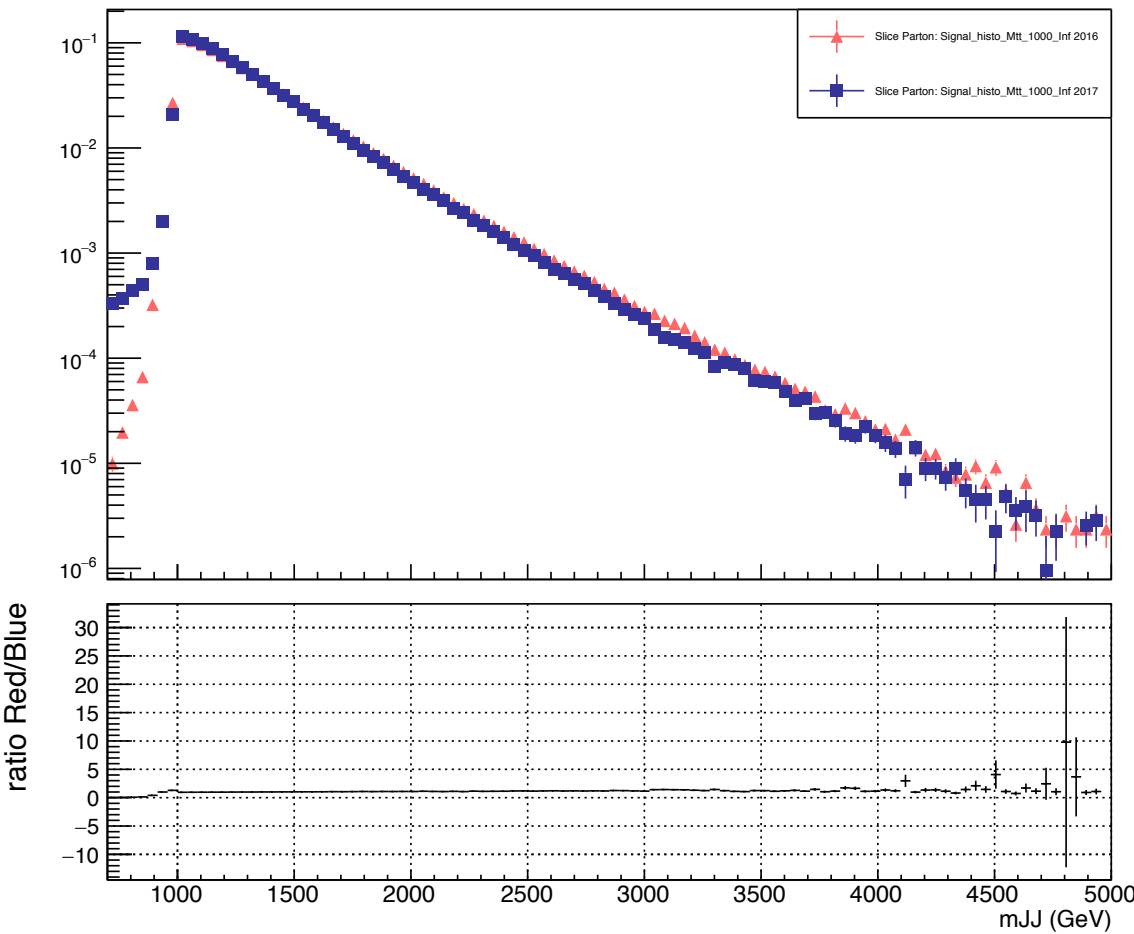


MC Closure Tests Mtt 2017 vs 2016 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2016

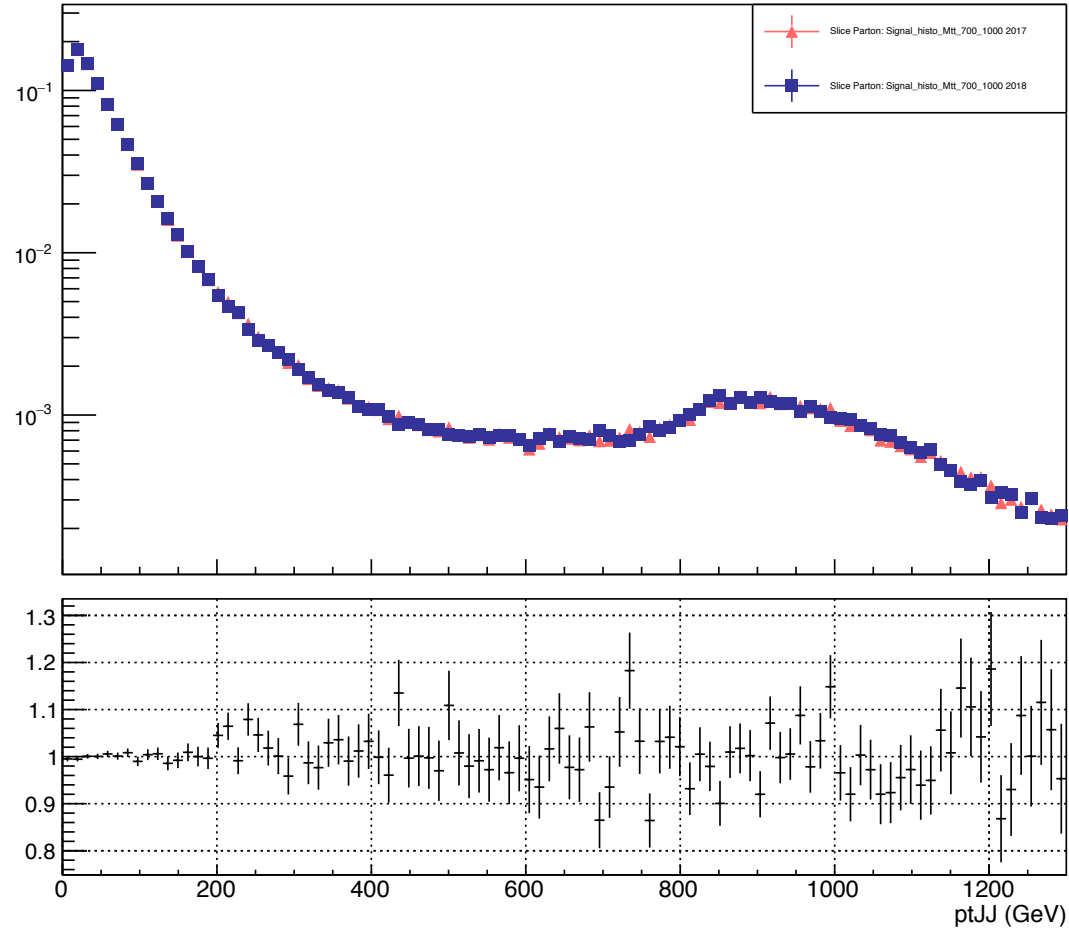


Slice Parton: Signal_histo_Mtt_1000_Inf 2016

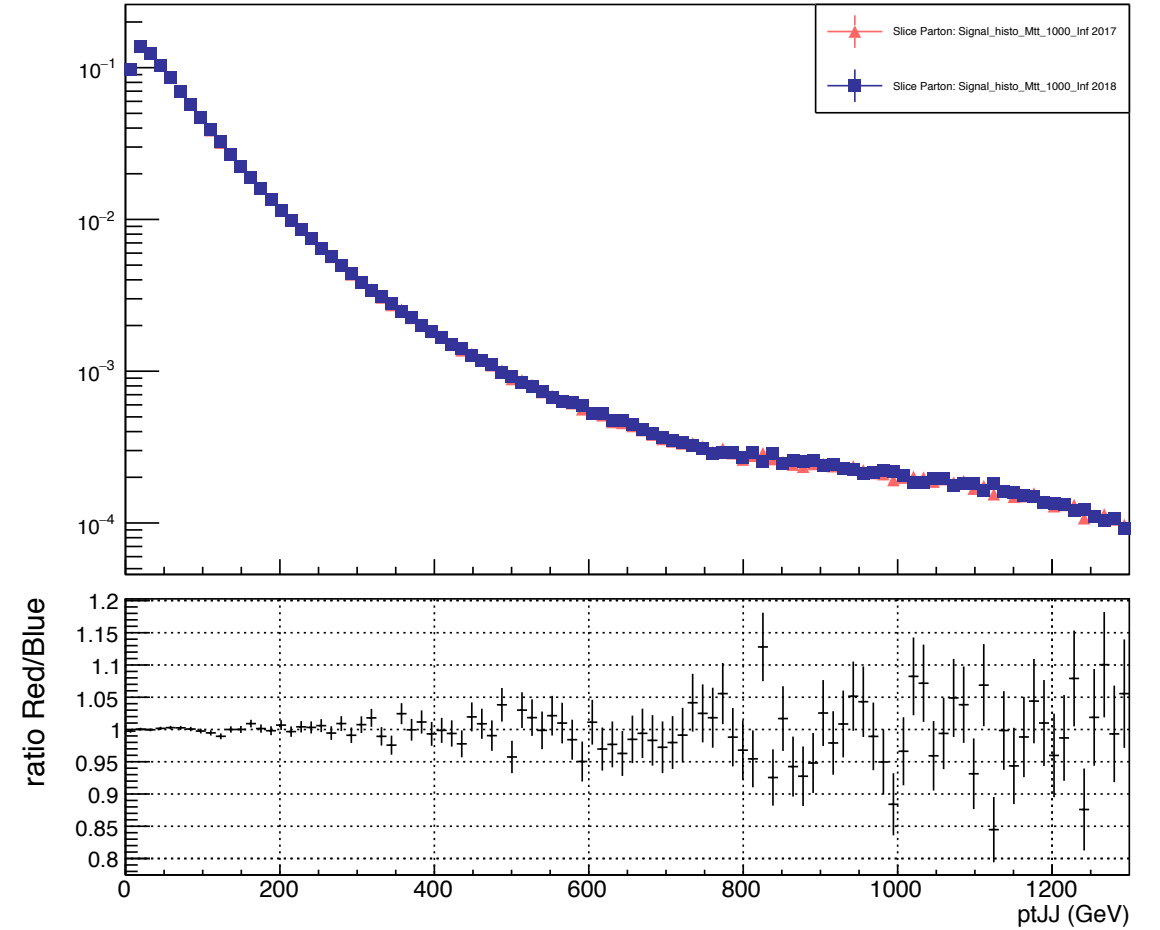


MC Closure Tests Mtt 2017 vs 2018 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2017

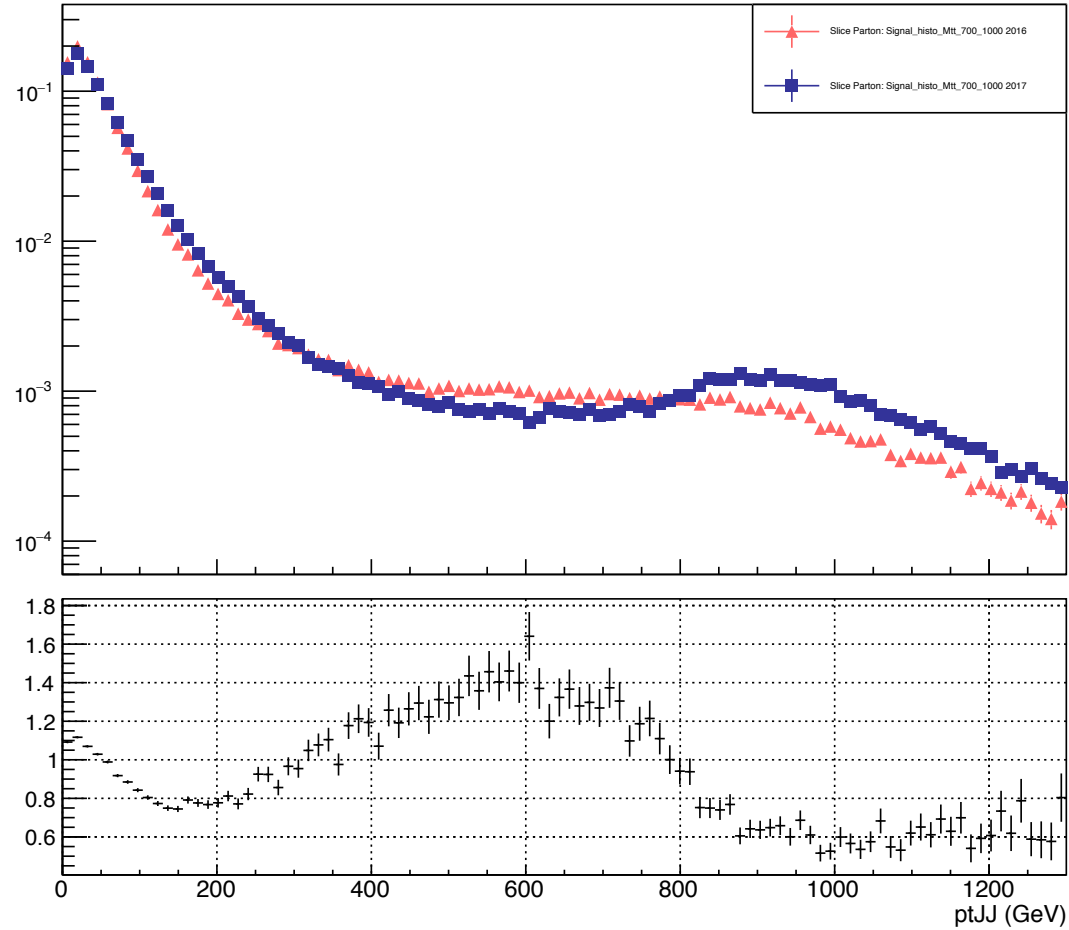


Slice Parton: Signal_histo_Mtt_1000_Inf 2017

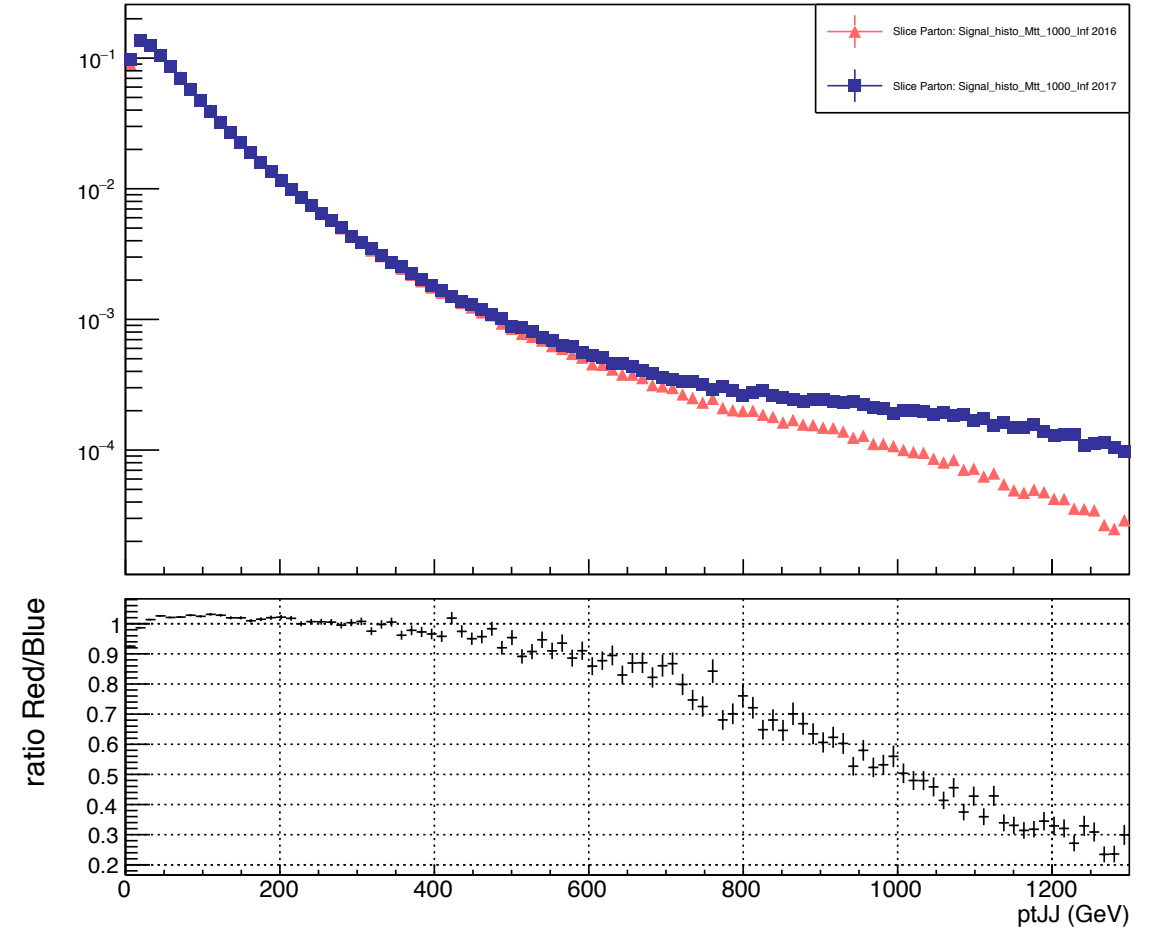


MC Closure Tests Mtt 2016 vs 2017 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2016

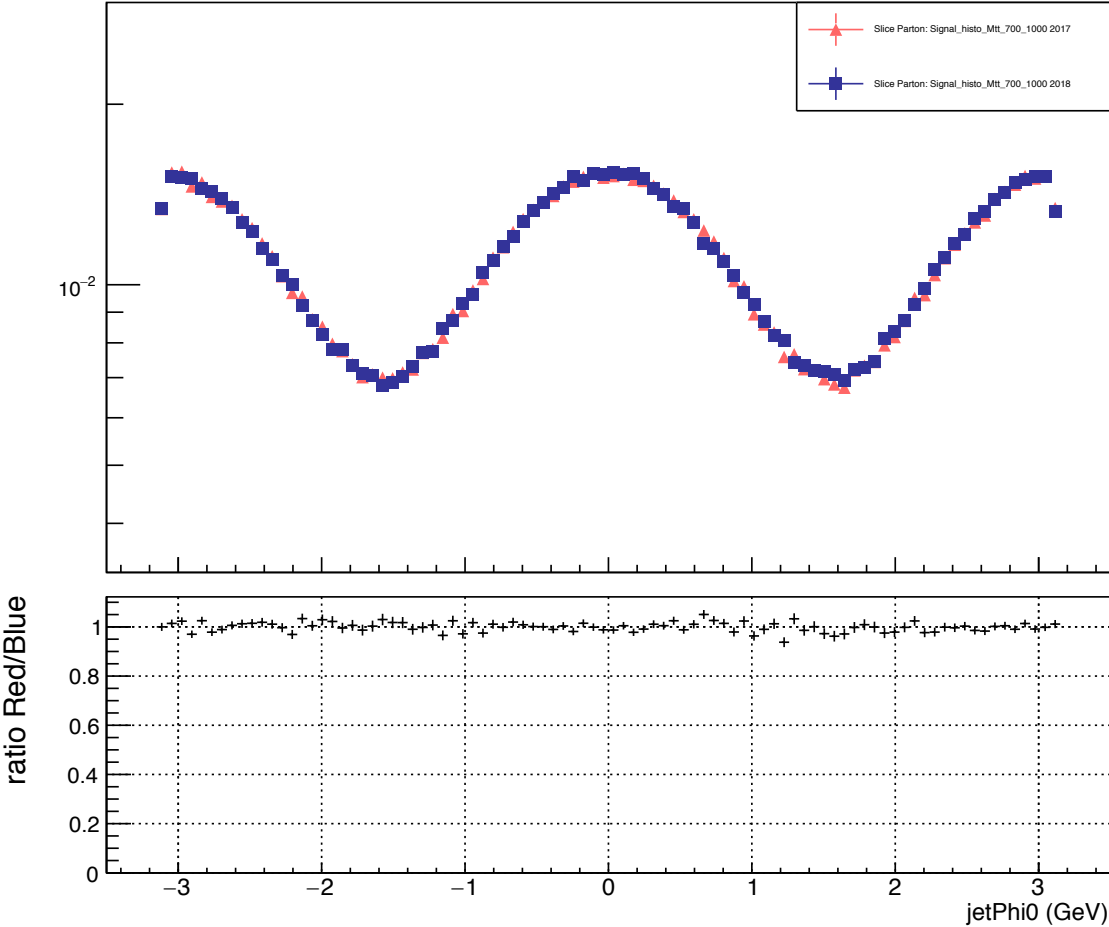


Slice Parton: Signal_histo_Mtt_1000_Inf 2016

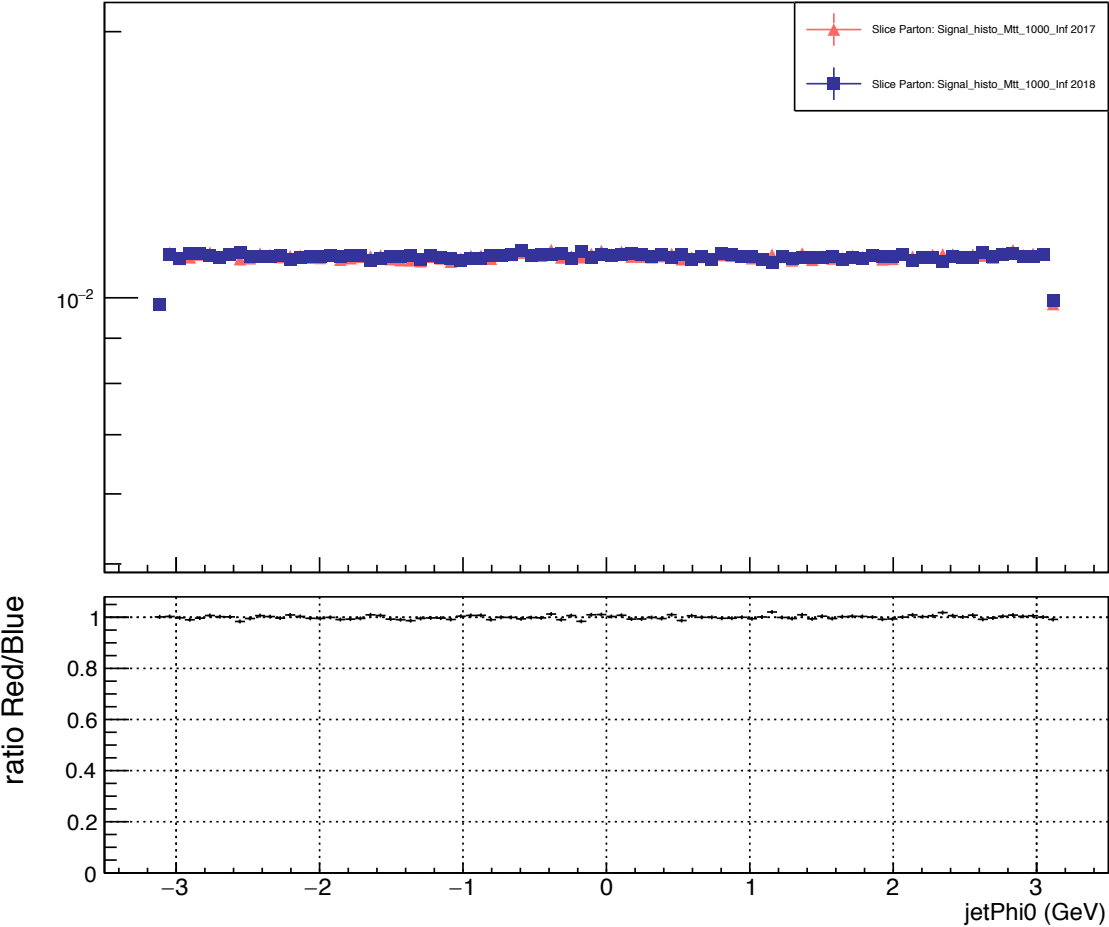


MC Closure Tests Mtt 2017 vs 2018 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2017

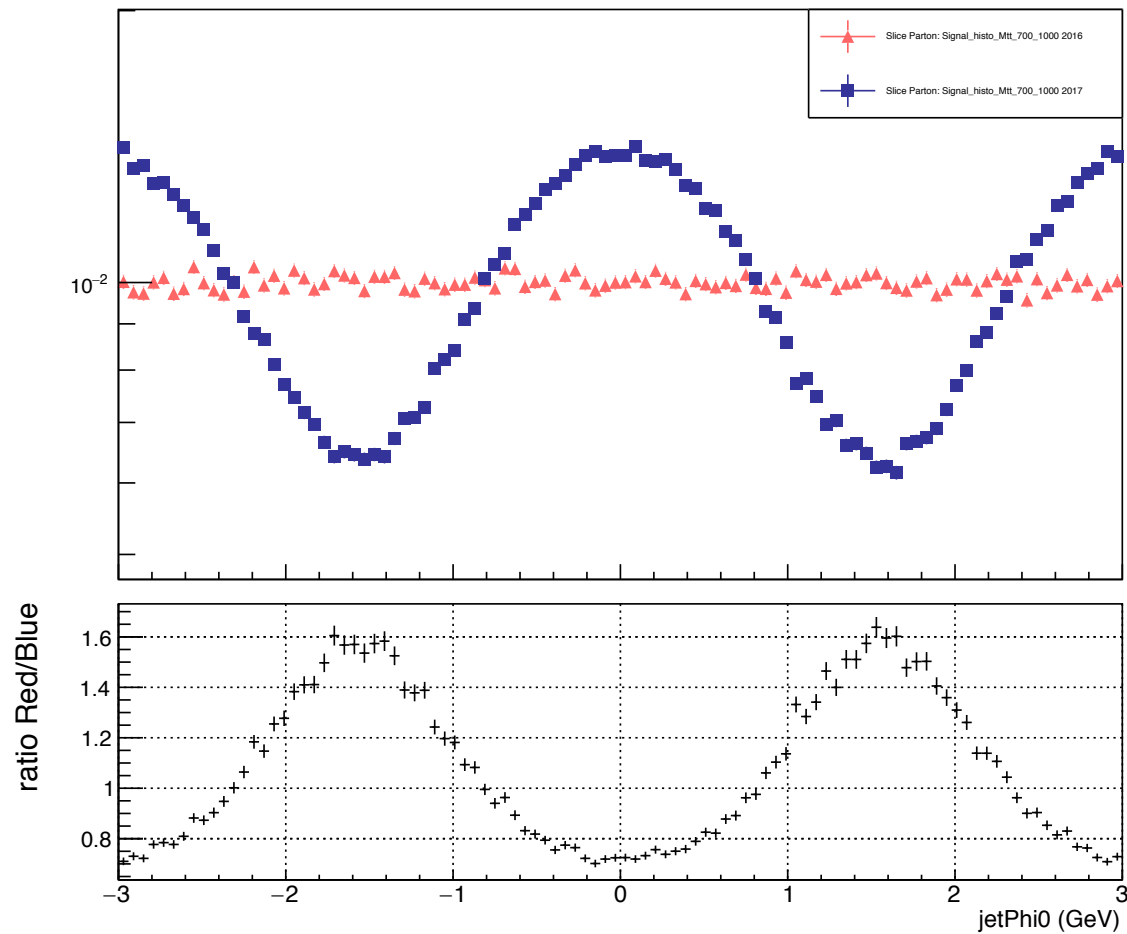


Slice Parton: Signal_histo_Mtt_1000_Inf 2017

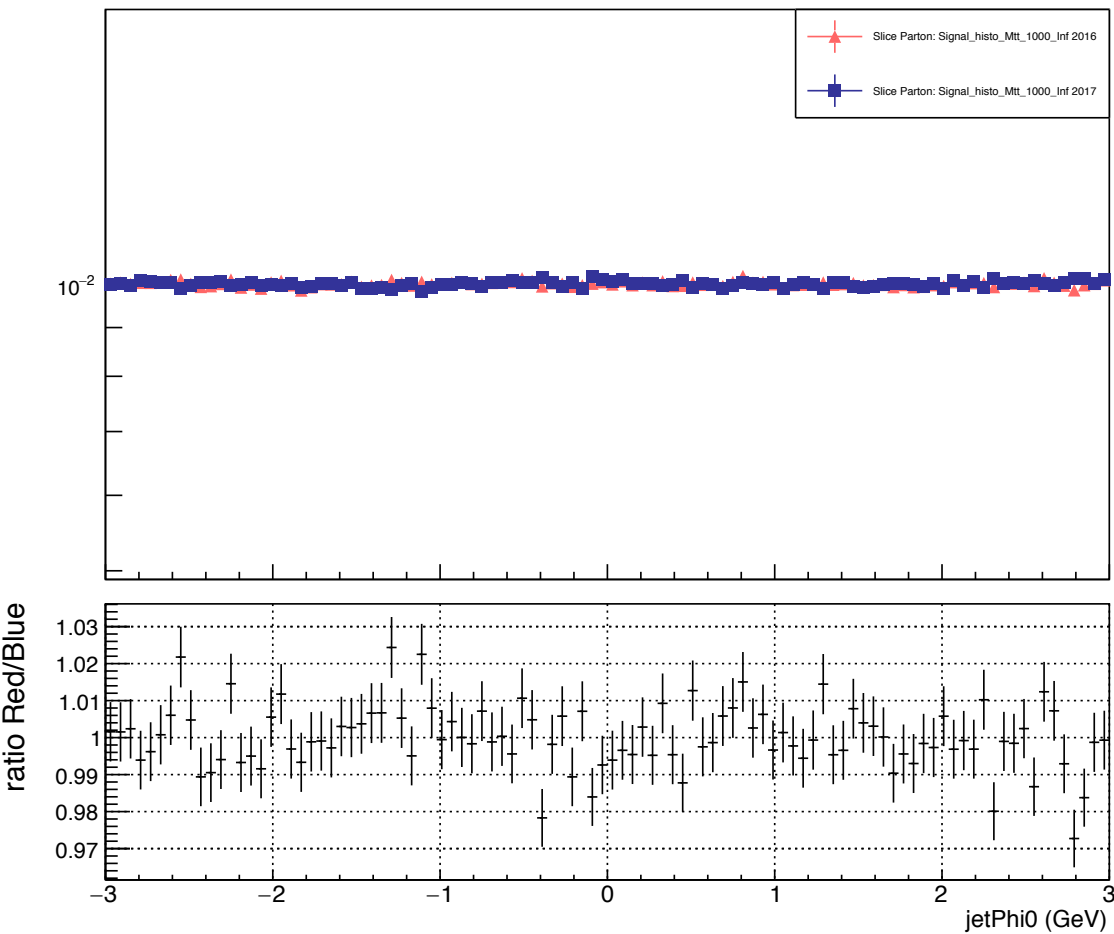


MC Closure Tests Mtt 2016 vs 2017 (shape) per slice

Slice Parton: Signal_histo_Mtt_700_1000 2016

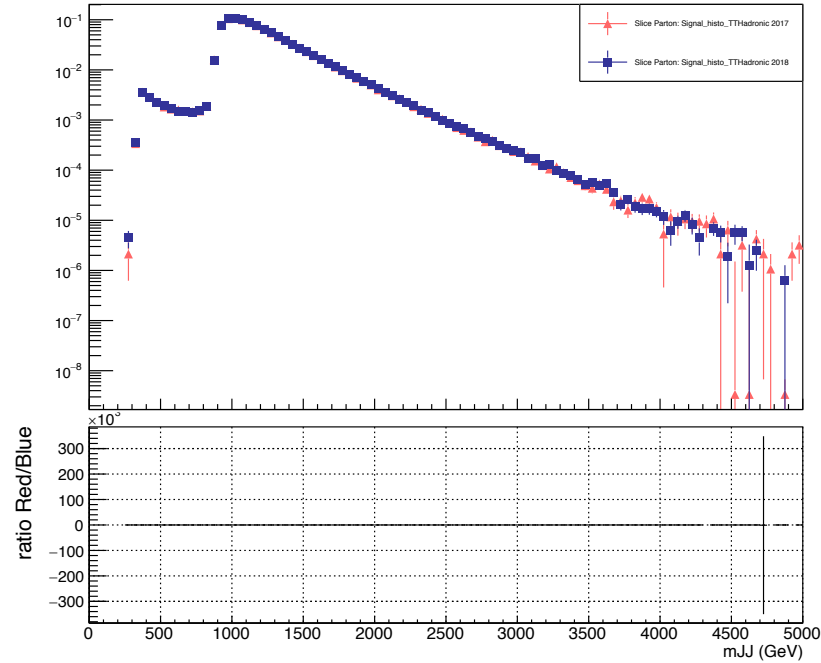


Slice Parton: Signal_histo_Mtt_1000_Inf 2016

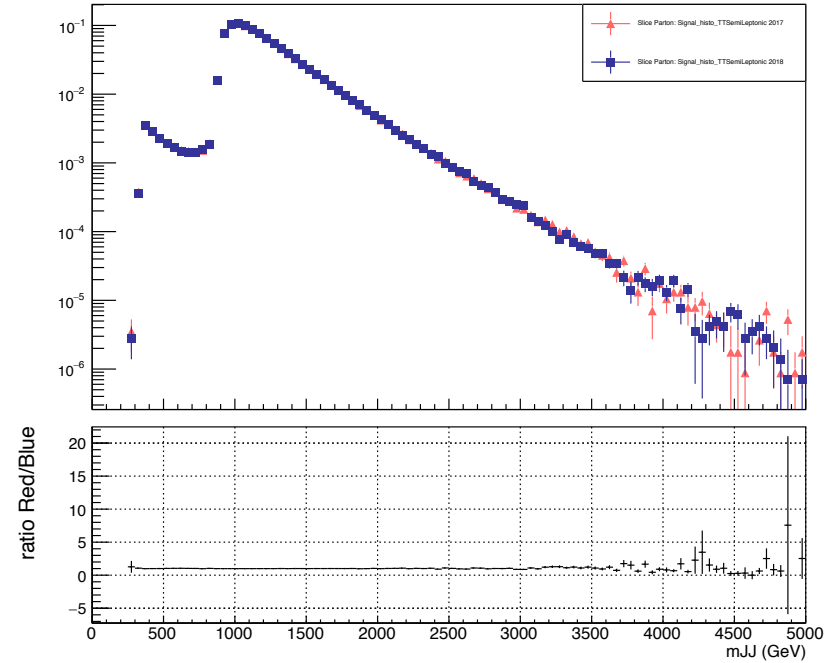


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice Nominal

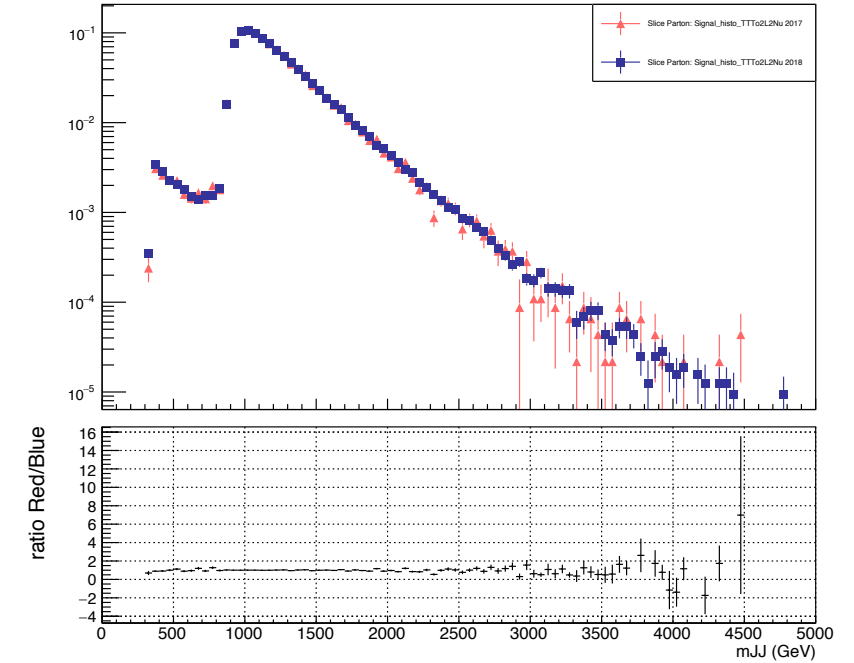
Slice Parton: Signal_histo_TTHadronic 2017



Slice Parton: Signal_histo_TTSemiLeptonic 2017

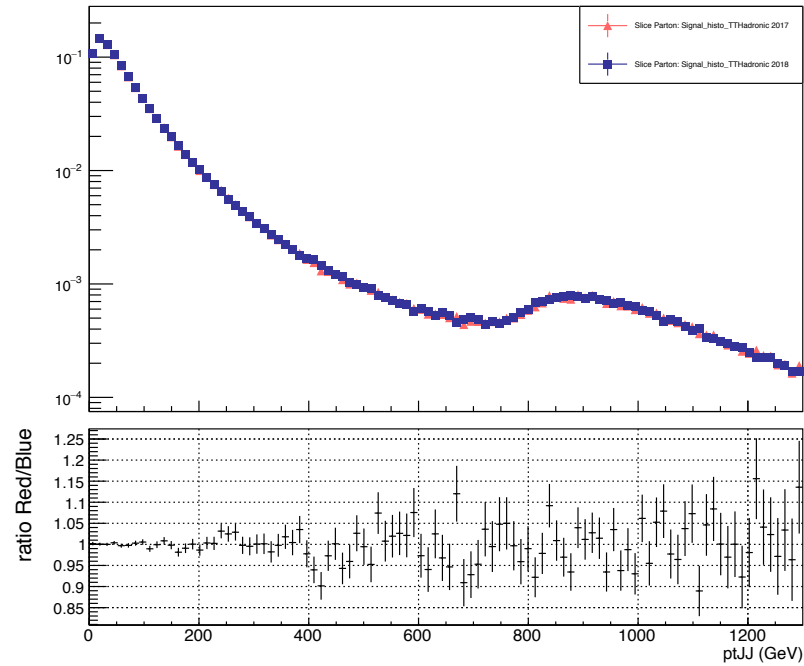


Slice Parton: Signal_histo_TTto2L2Nu 2017

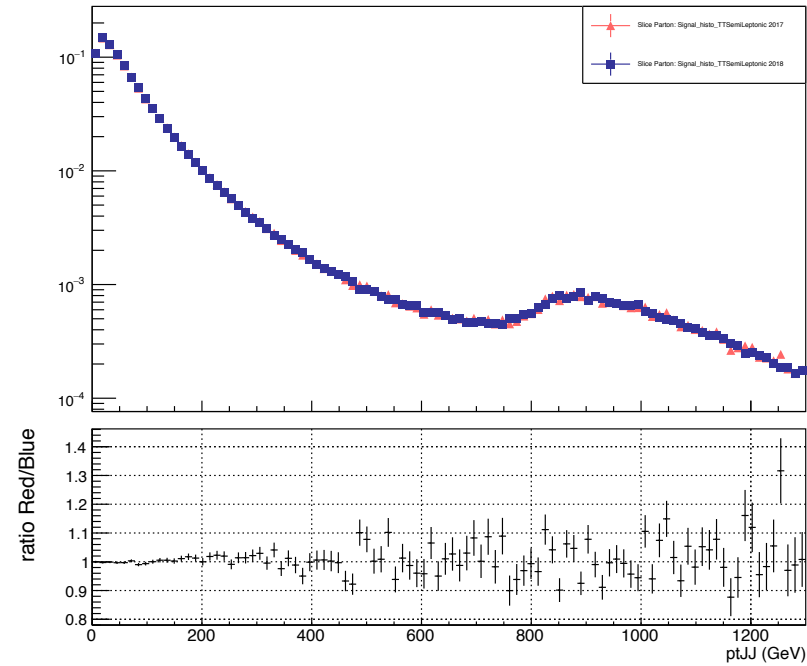


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice Nominal

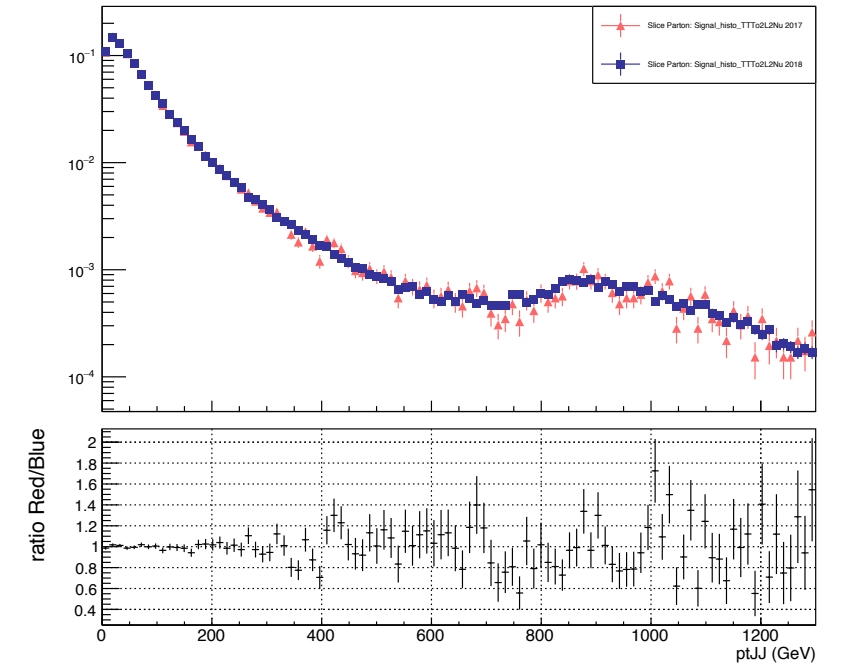
Slice Parton: Signal_histo_TTHadronic 2017



Slice Parton: Signal_histo_TTSemiLeptonic 2017

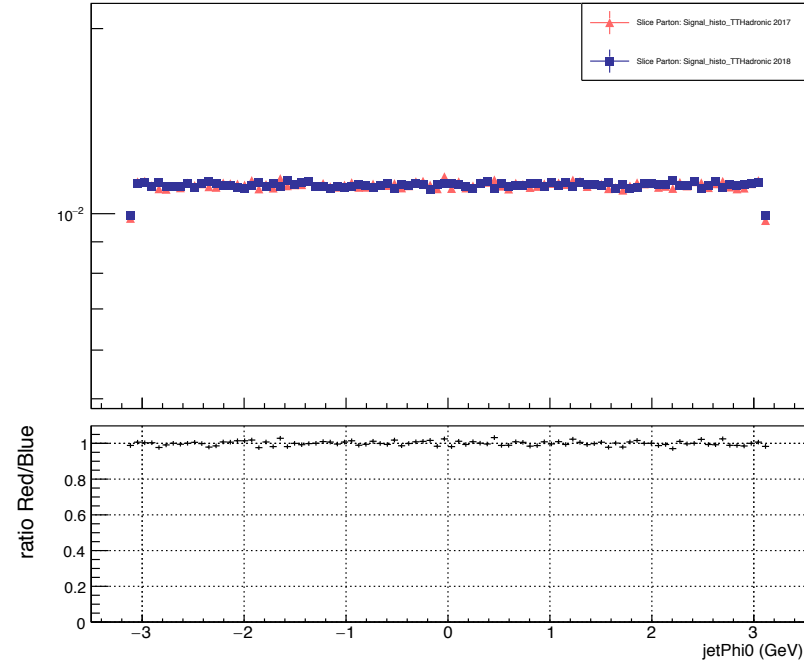


Slice Parton: Signal_histo_TTto2L2Nu 2017

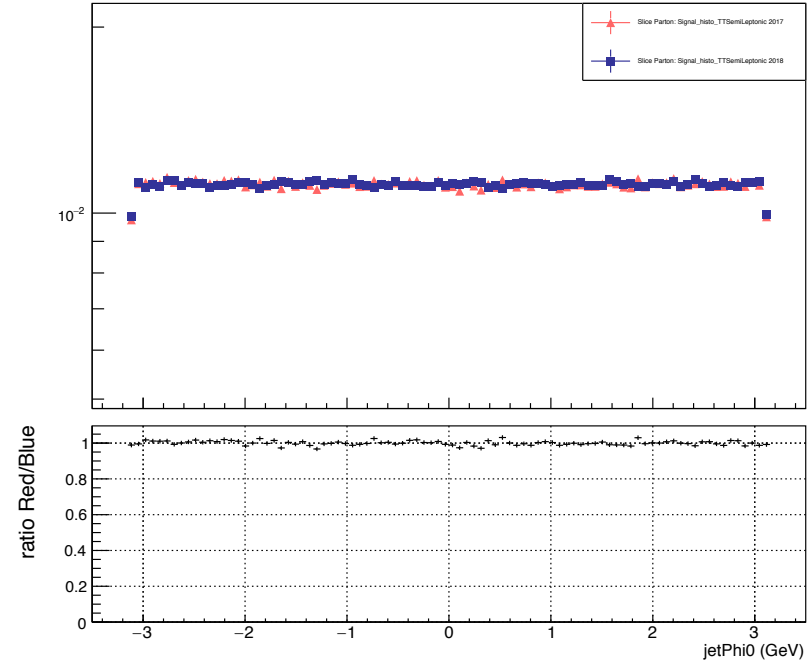


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice Nominal

Slice Parton: Signal_histo_TTHadronic 2017



Slice Parton: Signal_histo_TTSemiLeptonic 2017



Slice Parton: Signal_histo_TTTo2L2Nu 2017

