

Weekly Report

NTUA

14/2/2020

George Bakas



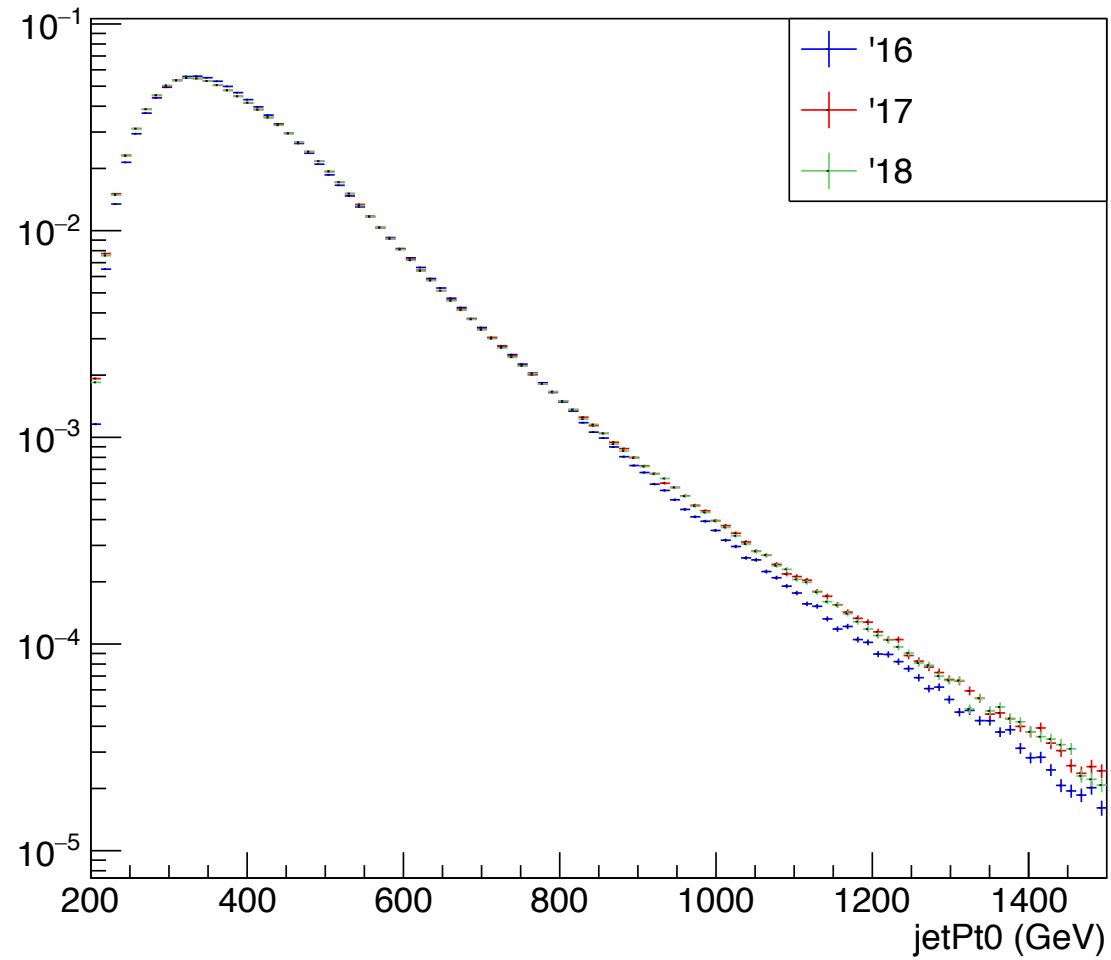
Status Report

- Analysis:
 - Consistency checks with Giannis:
 - Efficiency and Acceptance:
 - Parton and Particle
 - Nominal MC samples
 - MC '16 , '17, '18 Comparison:
 - QCD
 - $Tt\bar{t}$ (High M_{tt} samples)
 - Leading and Subleading $jetPt$, $jetY$, m_{JJ} , pt_{JJ} , y_{JJ}
 - Comparison per year (M_{tt} vs Nominal samples)
 - Comparison for 2 years (M_{tt} or Nominal samples)
 - Each slice
 - All slices
 - Comparison for all years (16, 17, 18)

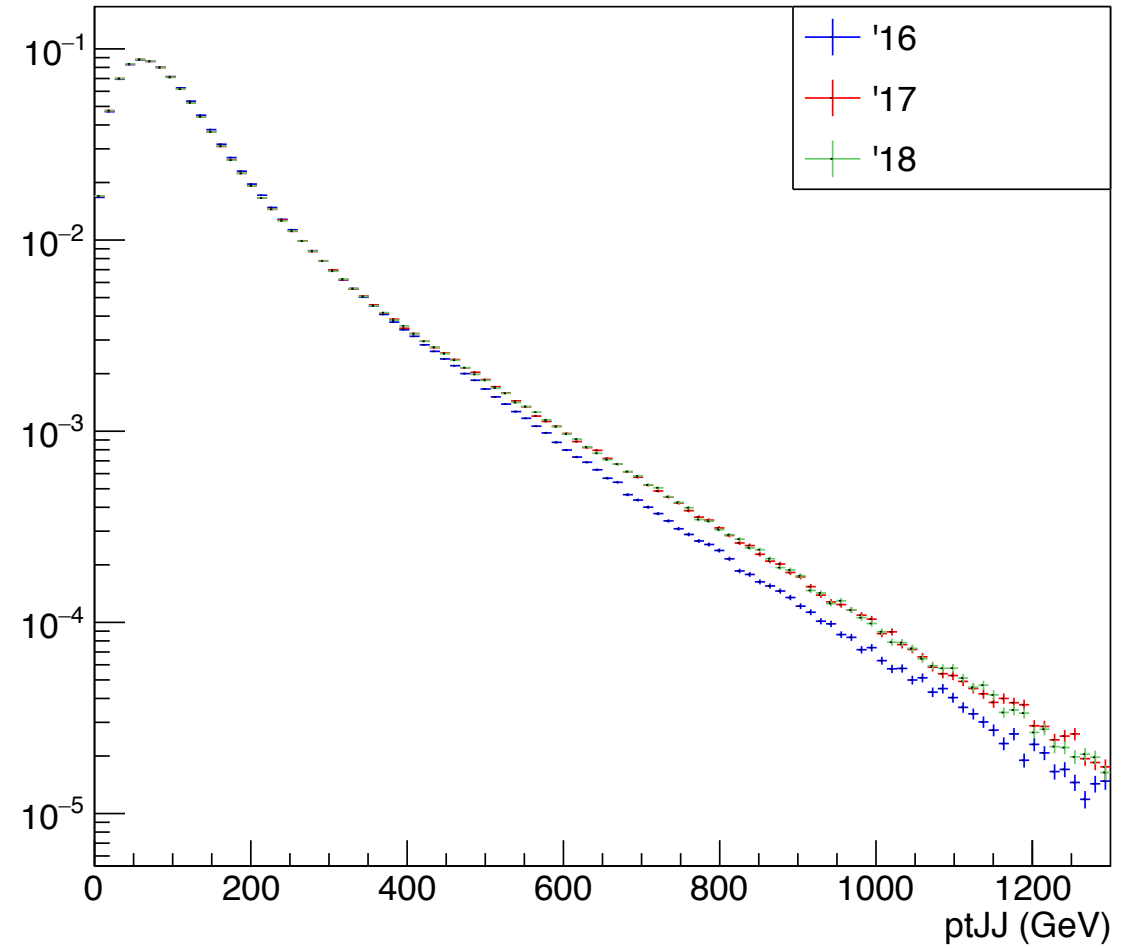


MC Closure tests '16, '17 and '18 (shape)

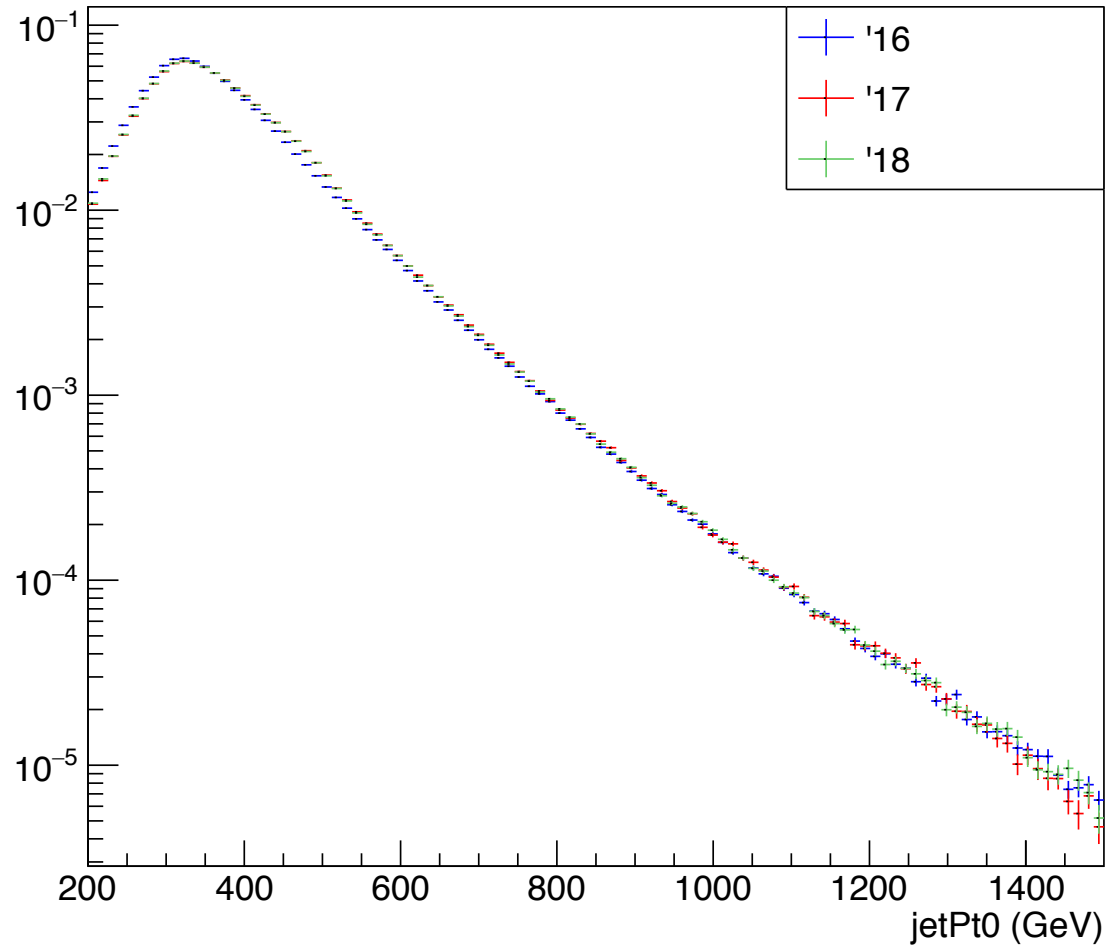
TT Mtt MC



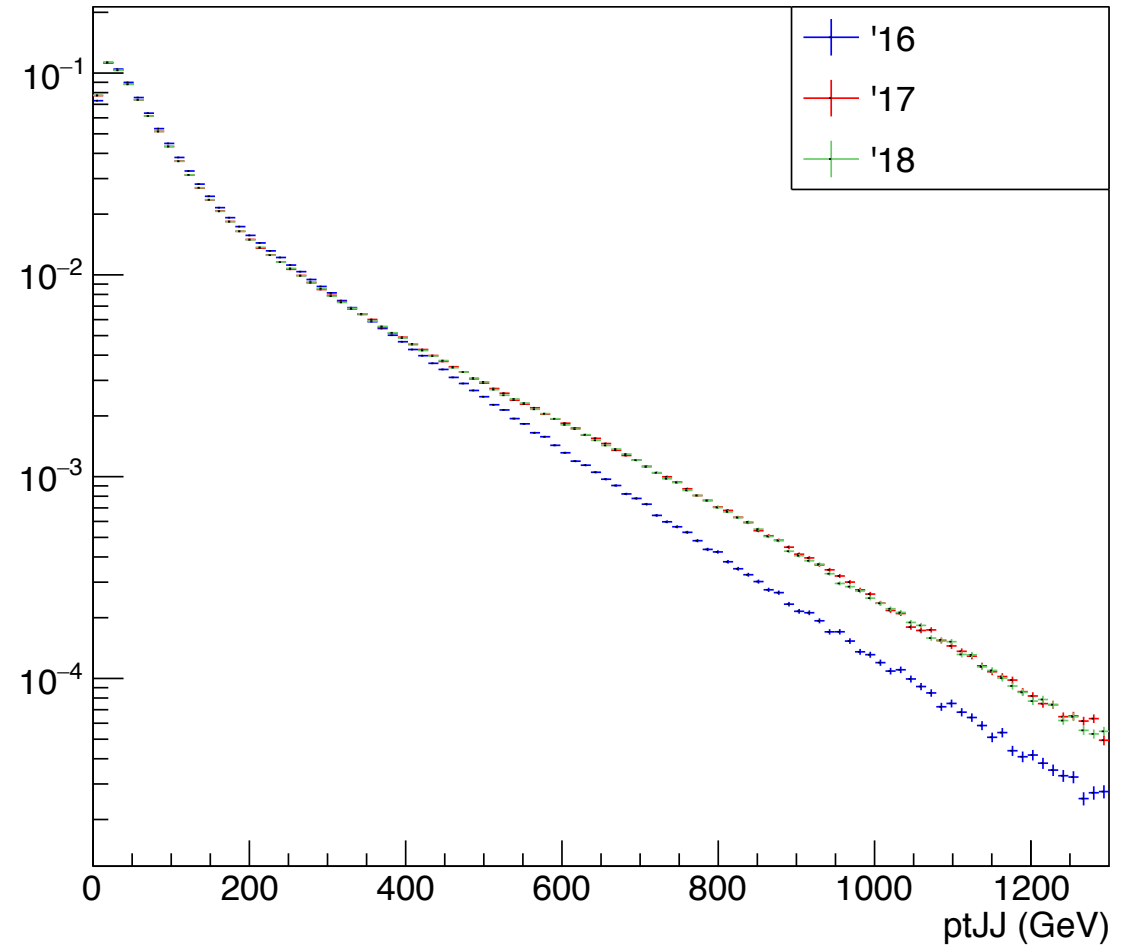
TT Mtt MC



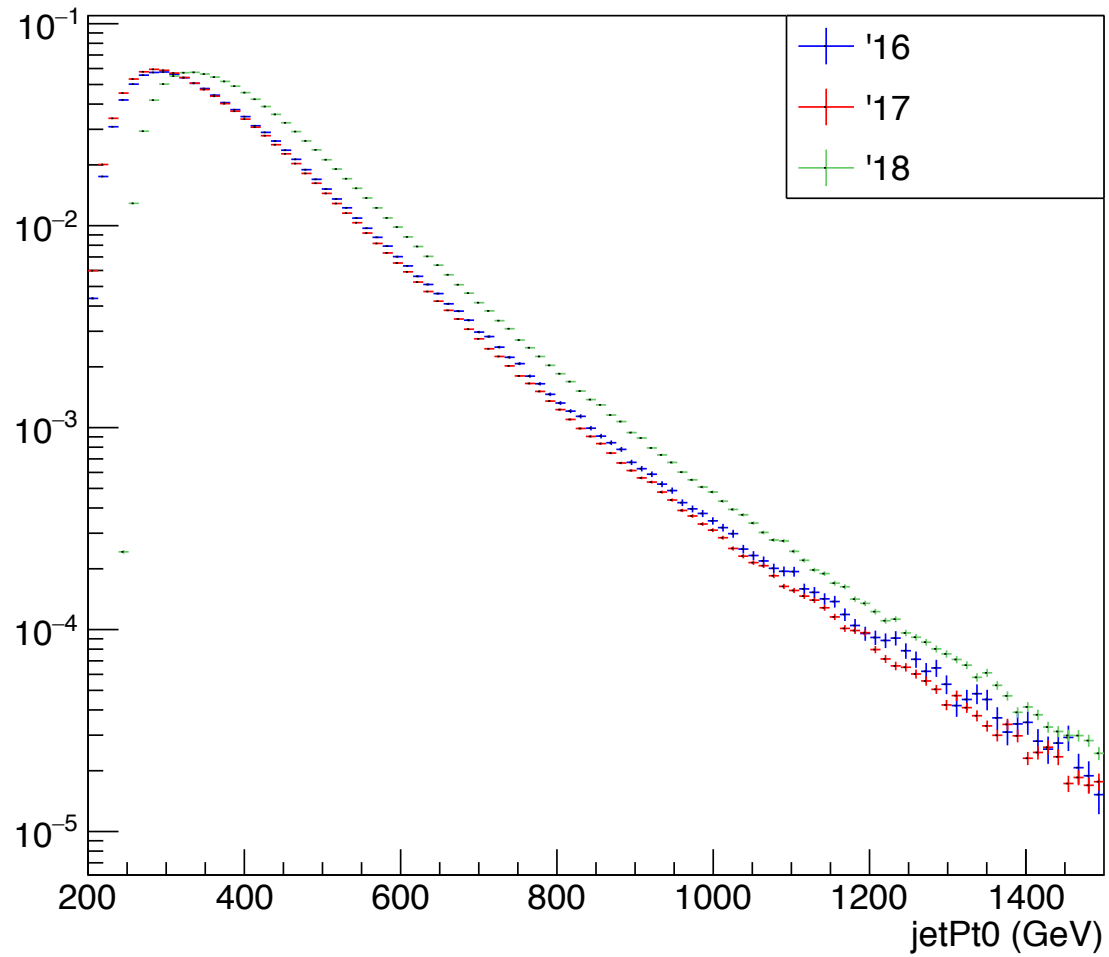
TT Parton Mtt MC



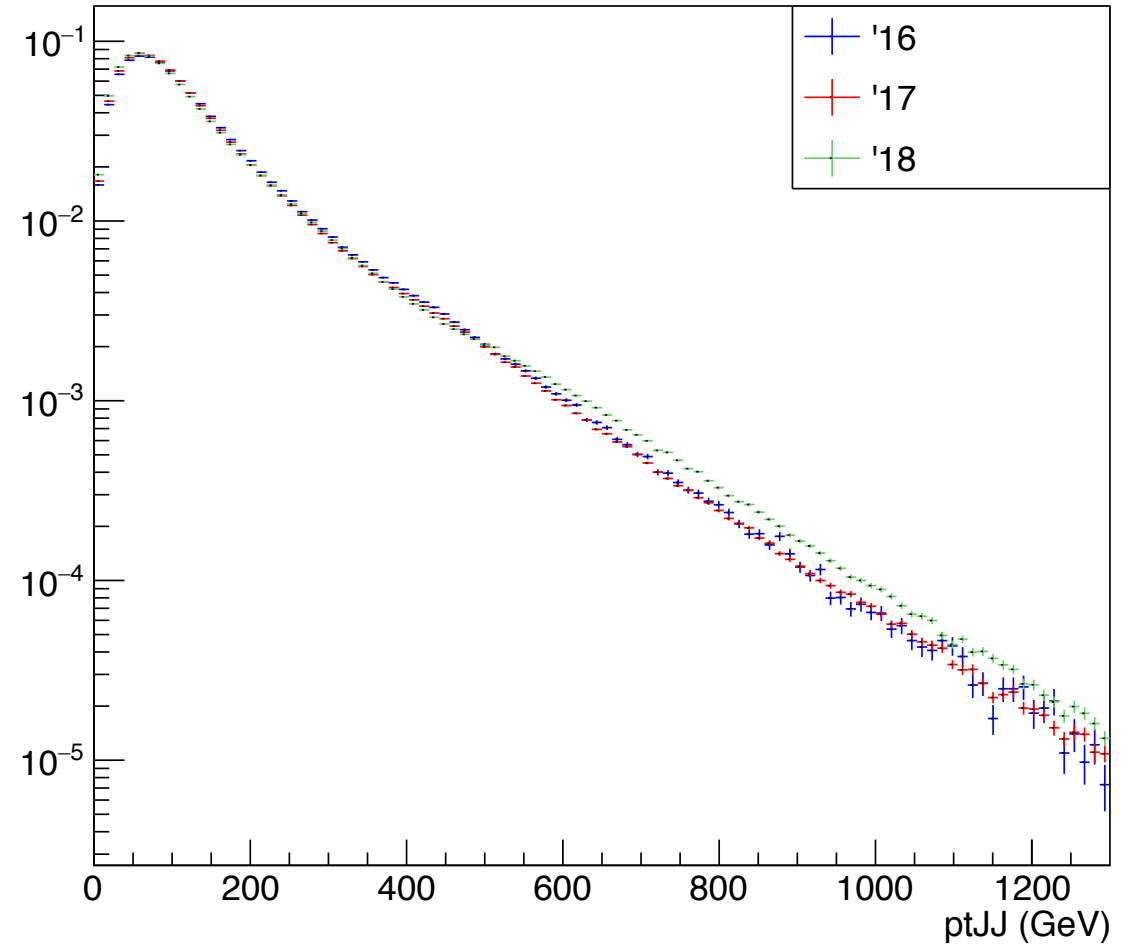
TT Parton Mtt MC



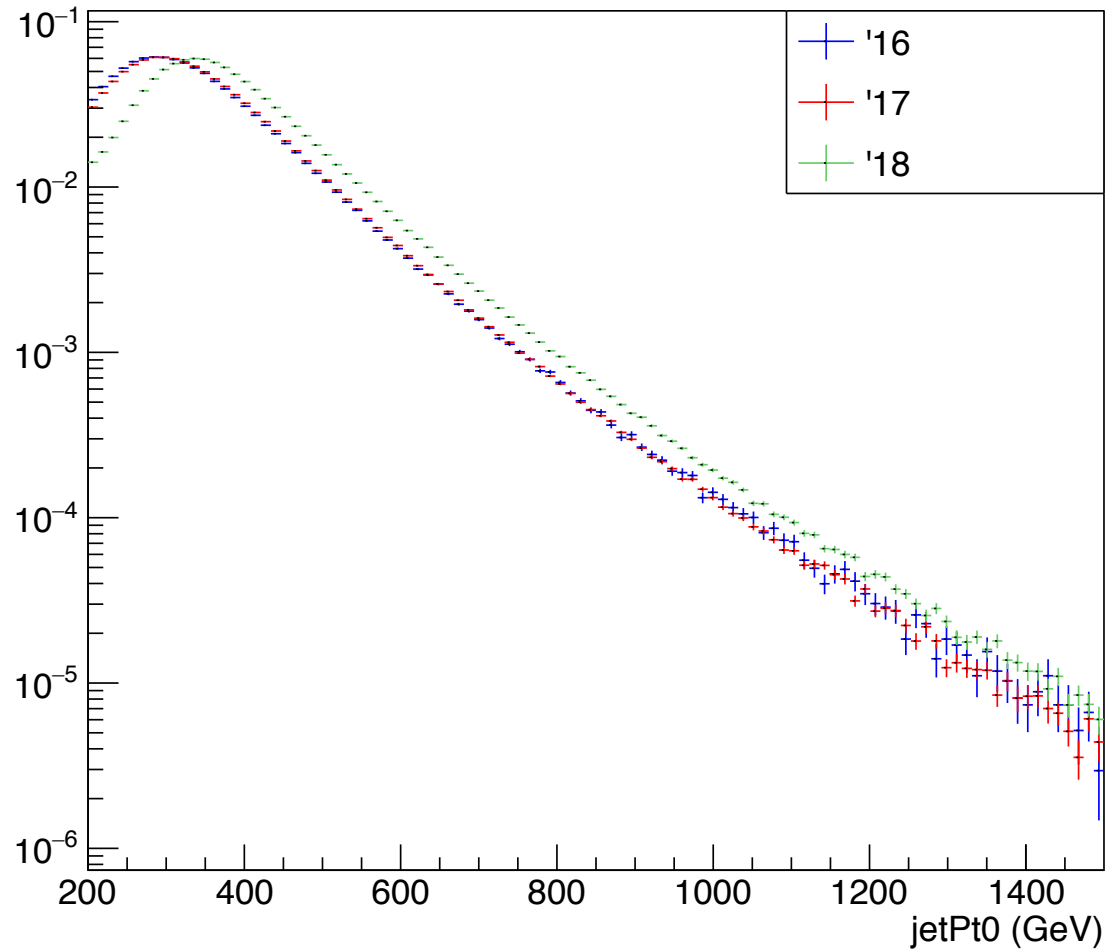
TT Nominal MC



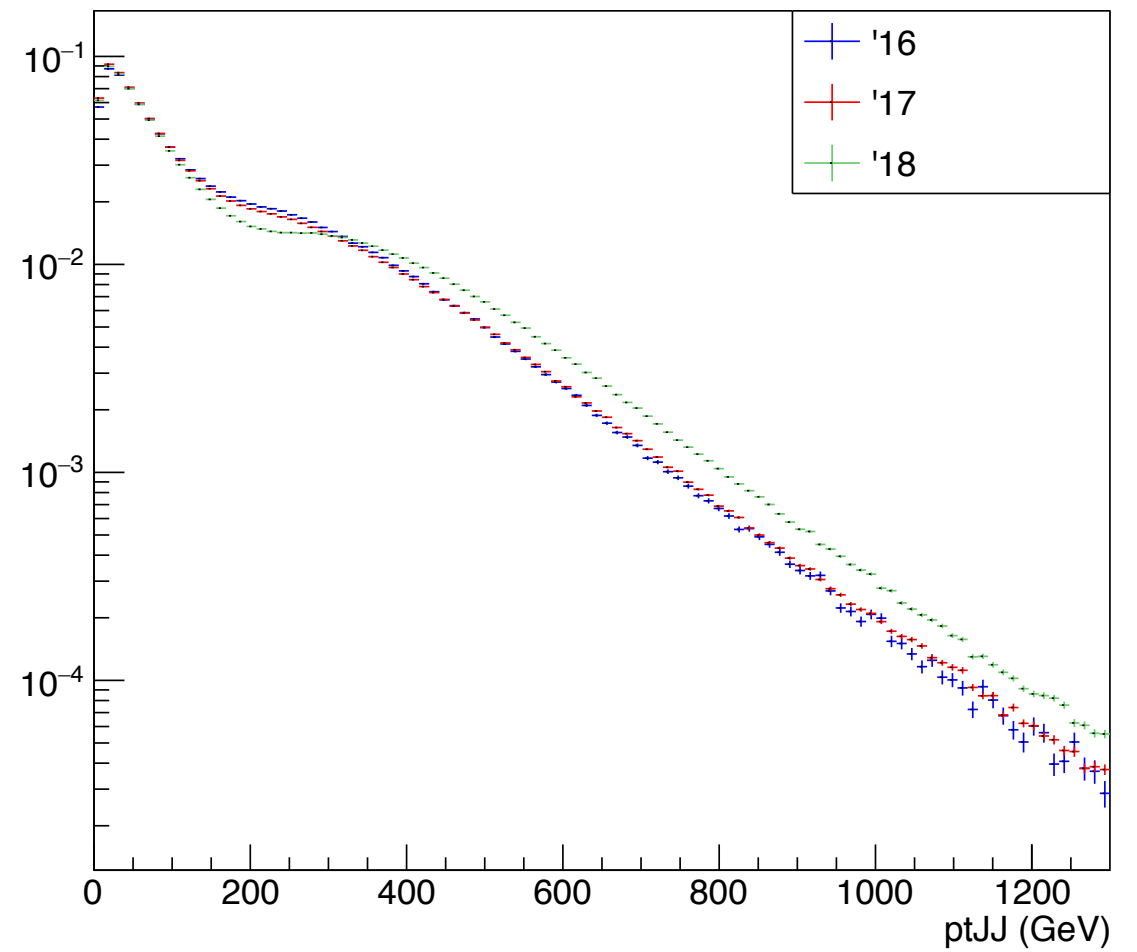
TT Nominal MC



TT Parton Nominal MC

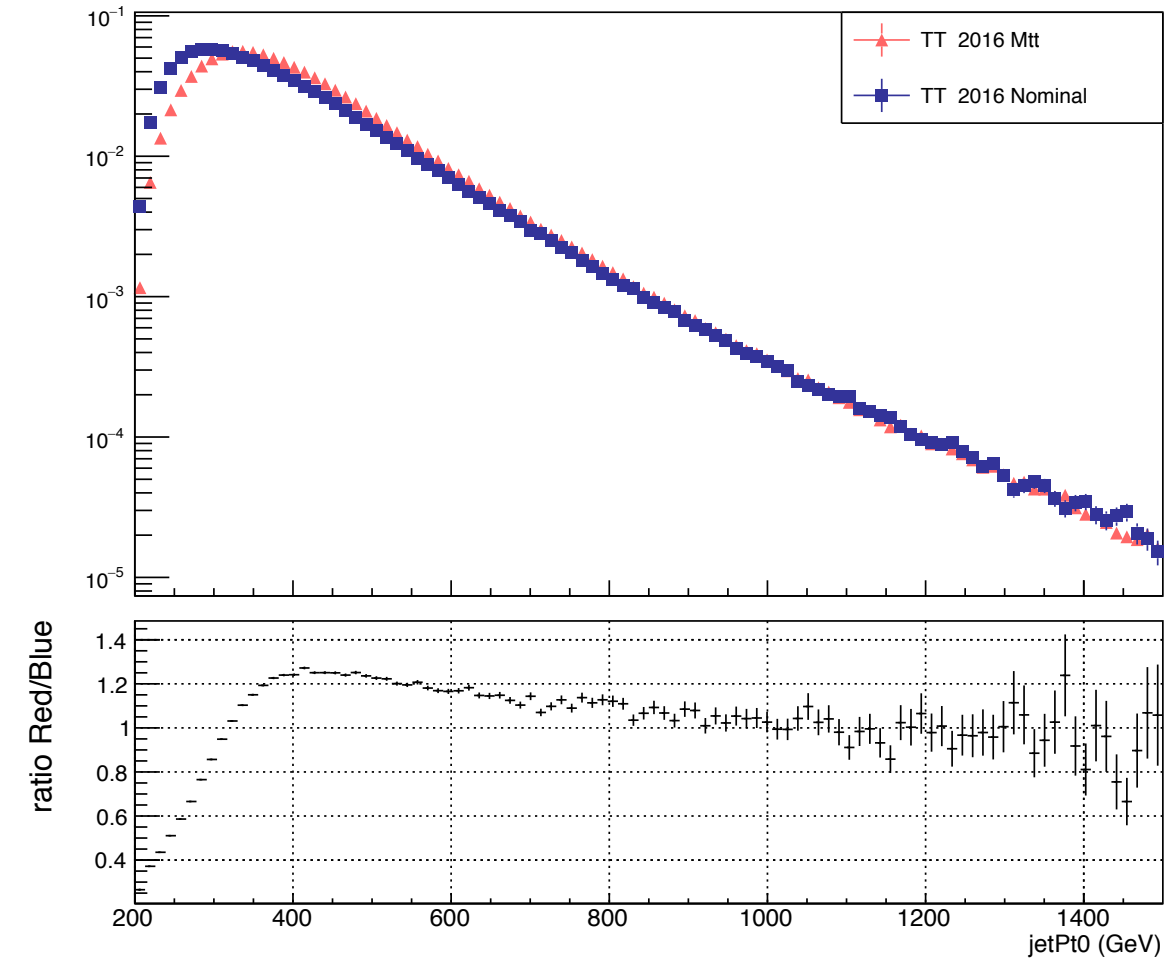


TT Parton Nominal MC

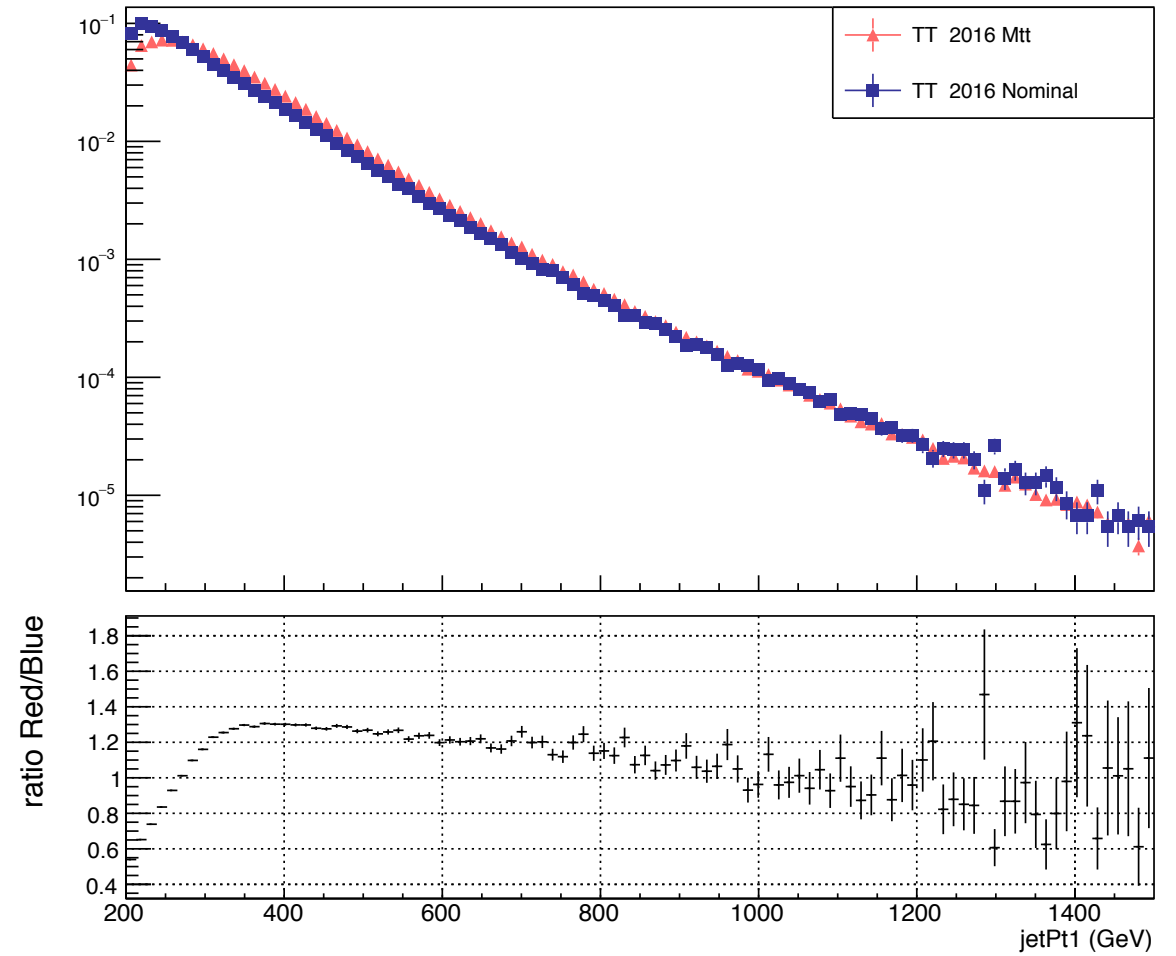


MC Closure Tests Mtt vs Nominal 2016

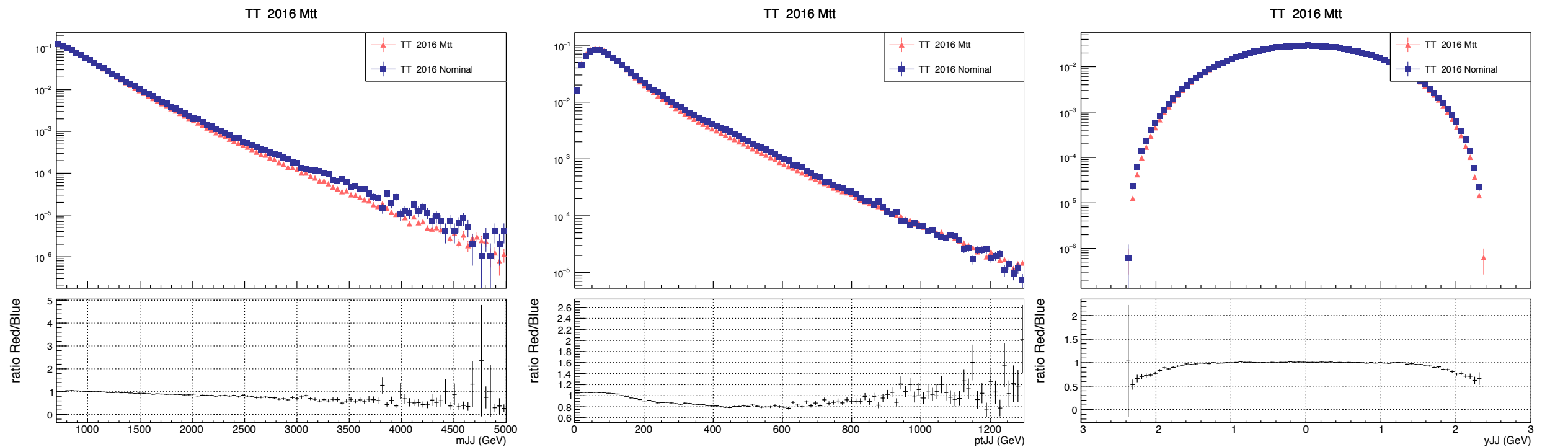
TT 2016 Mtt



TT 2016 Mtt

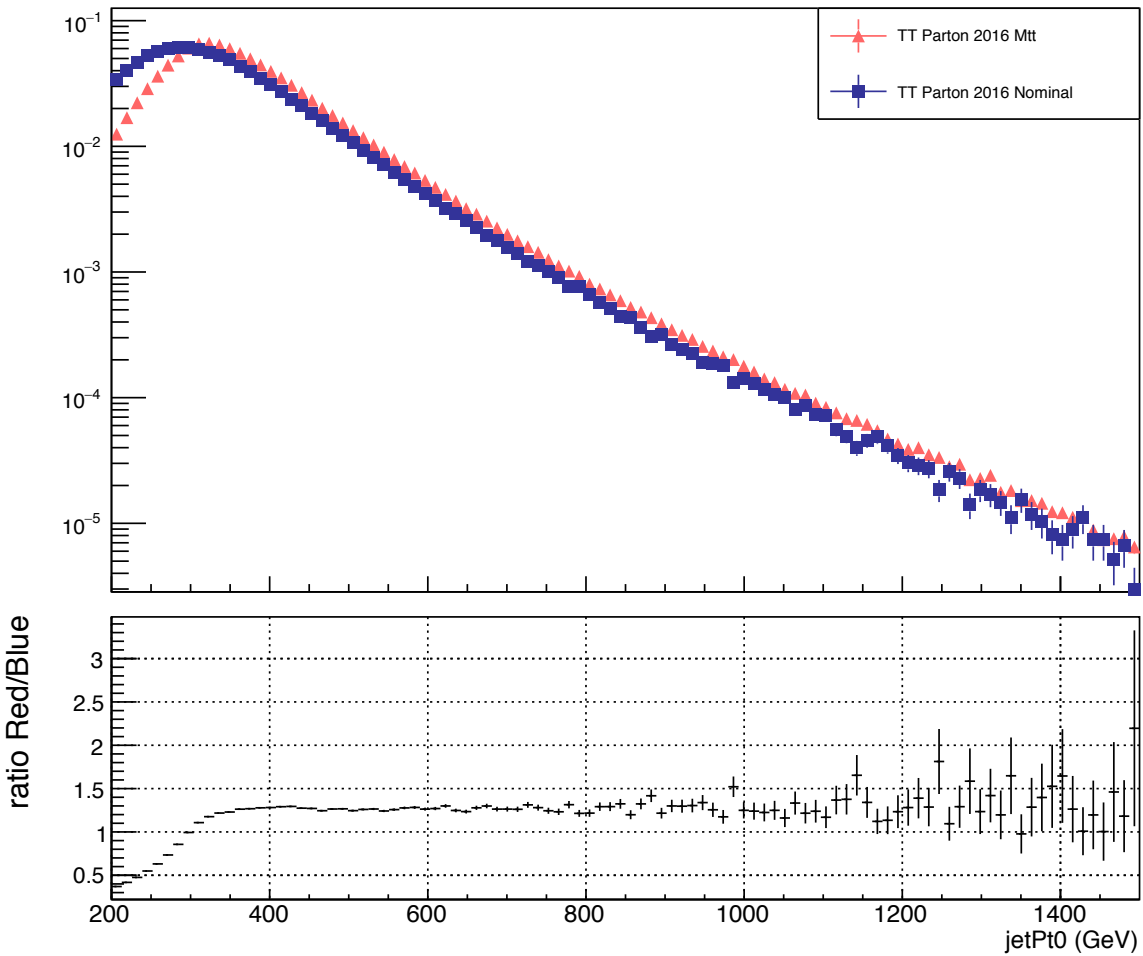


MC Closure Tests Mtt vs Nominal 2016

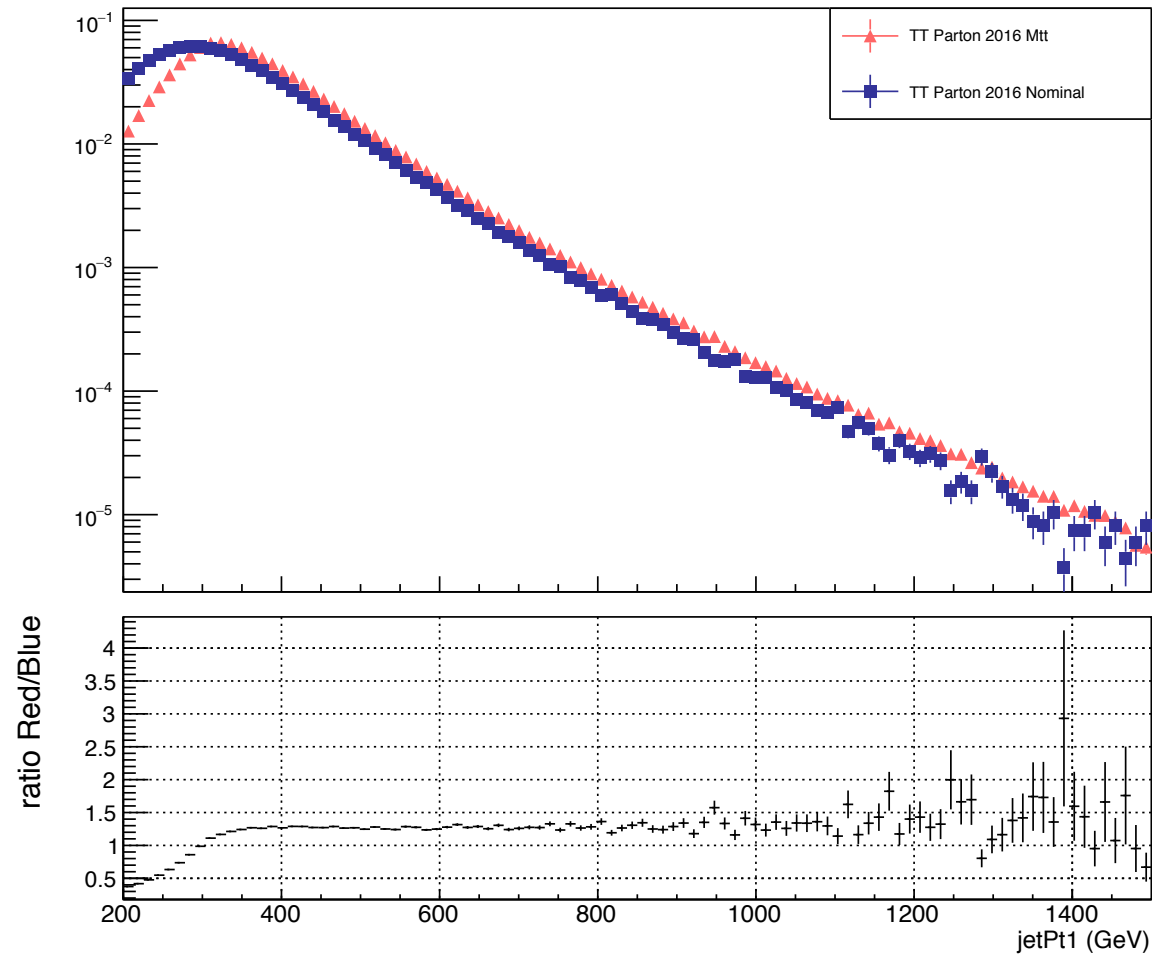


MC Closure Tests Mtt vs Nominal 2016 Parton

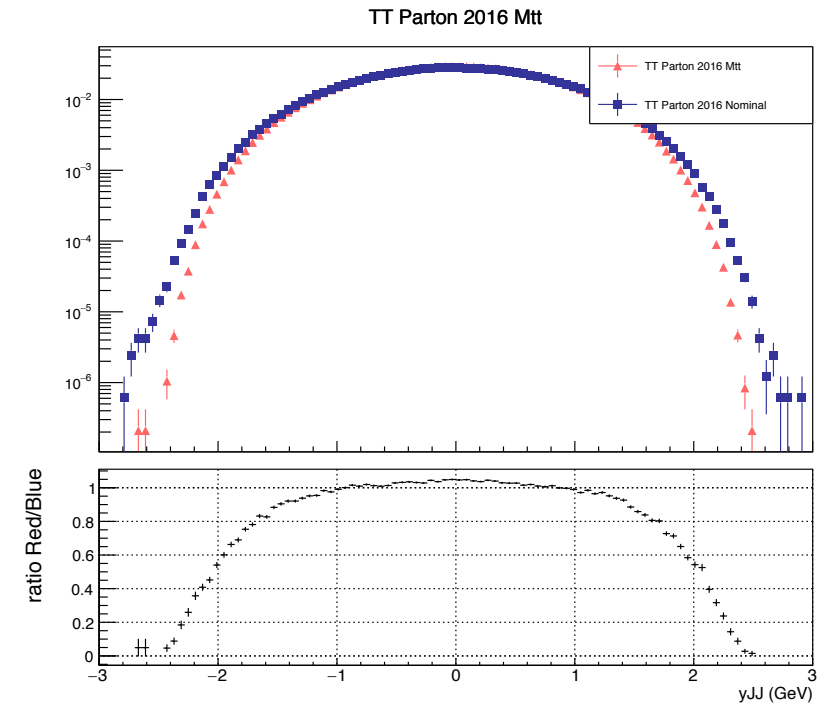
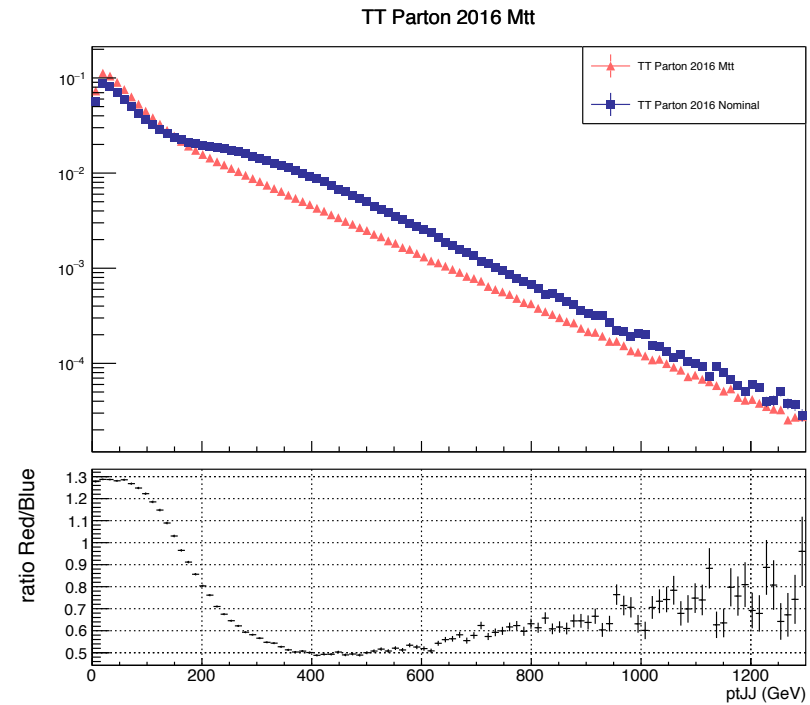
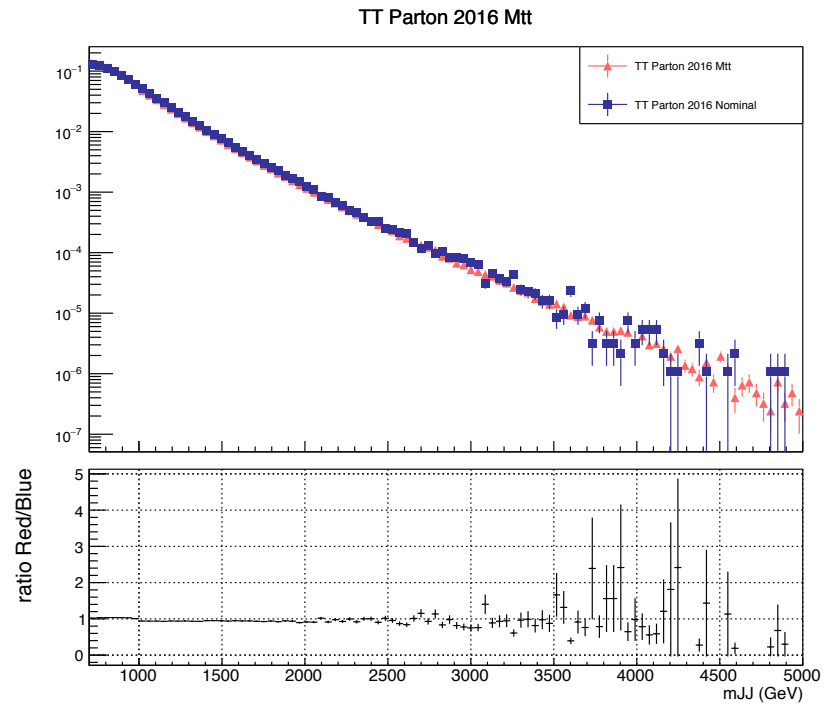
TT Parton 2016 Mtt



TT Parton 2016 Mtt

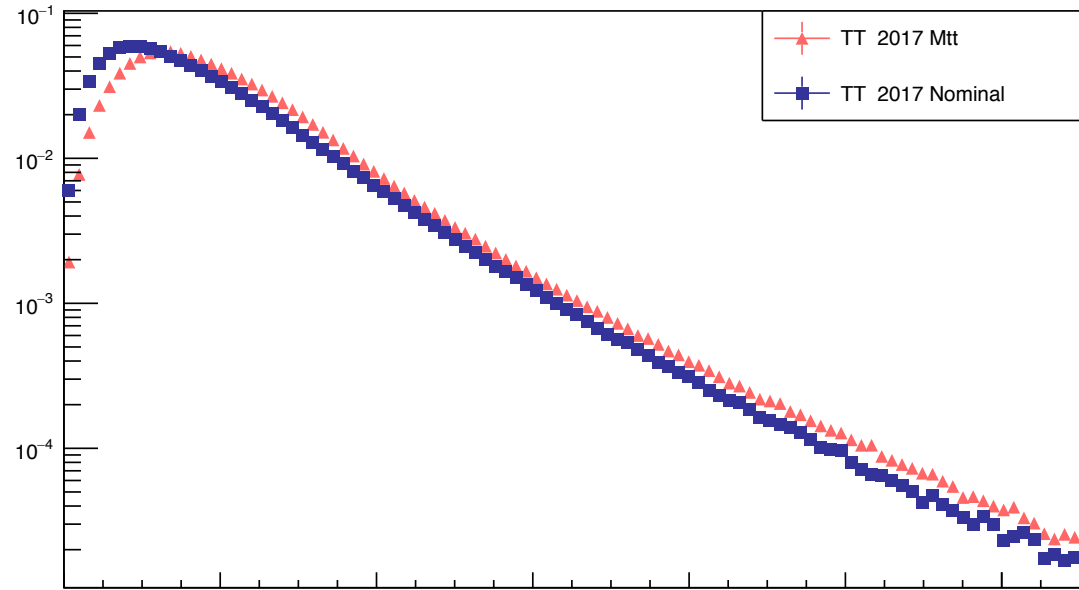


MC Closure Tests Mtt vs Nominal 2016 Parton

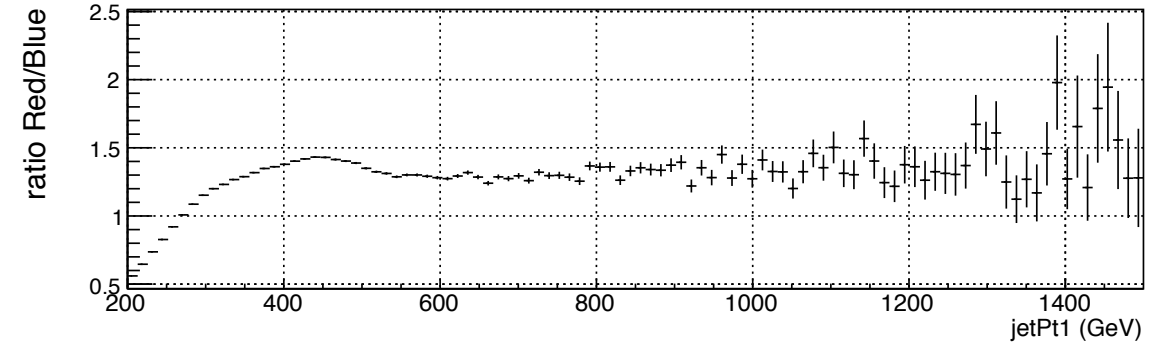
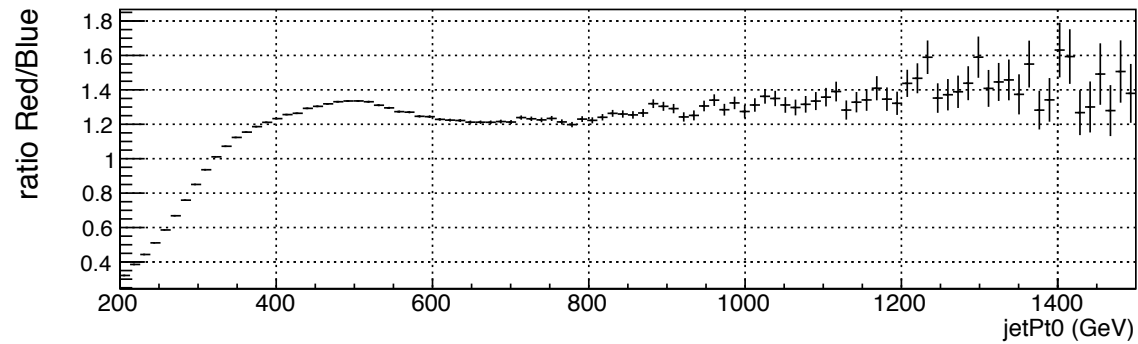
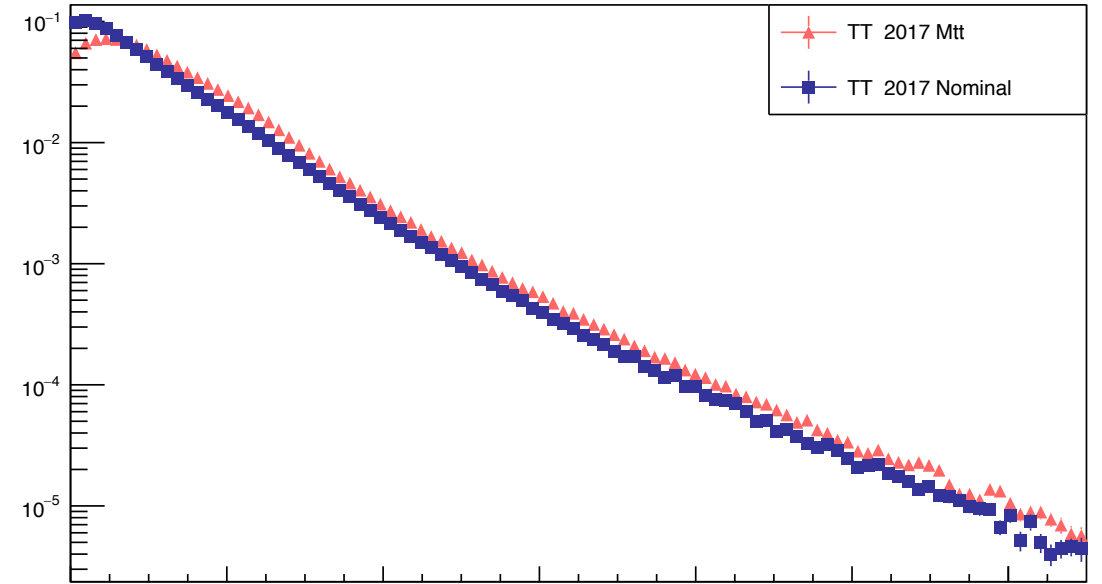


MC Closure Tests Mtt vs Nominal 2017

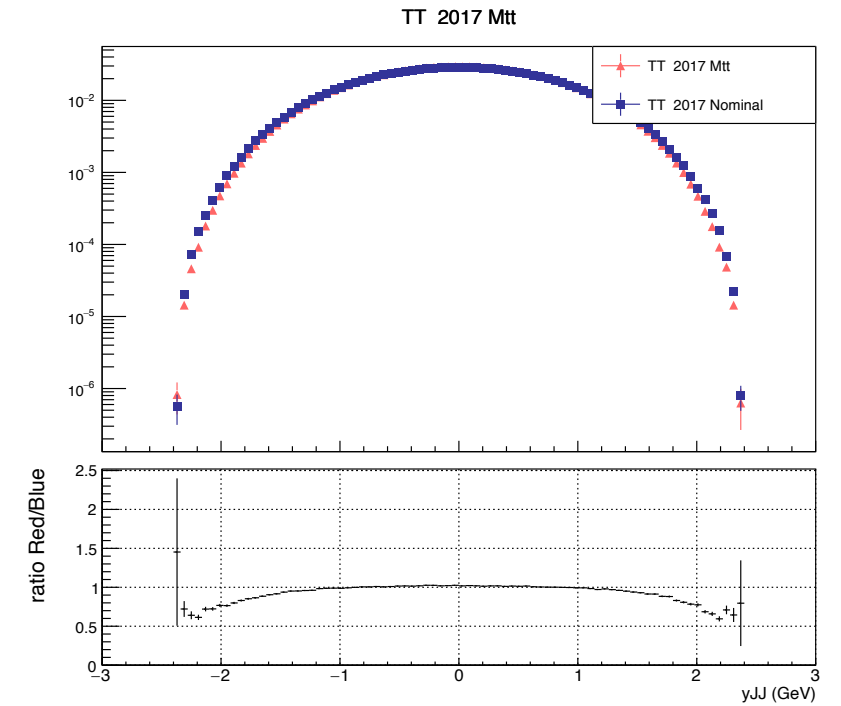
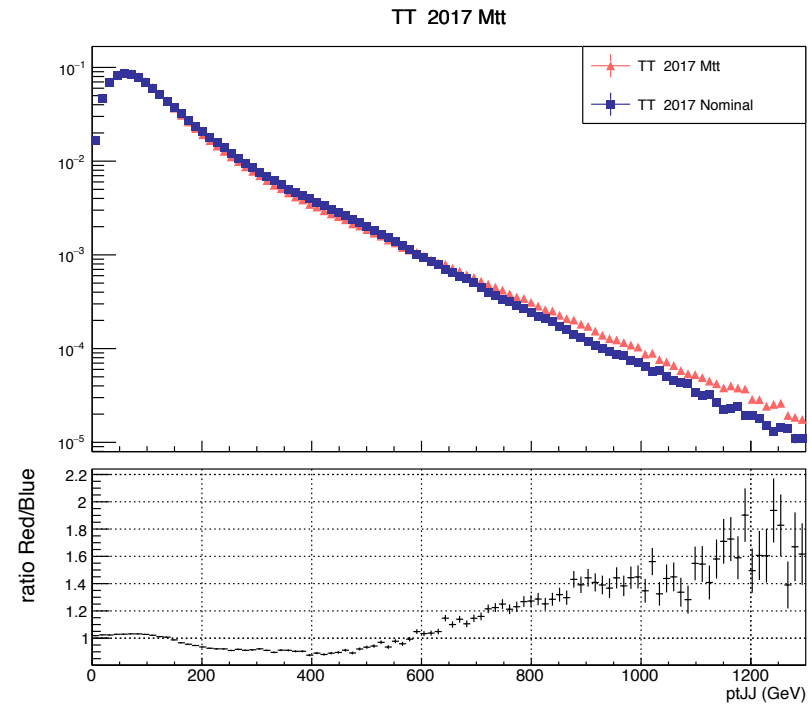
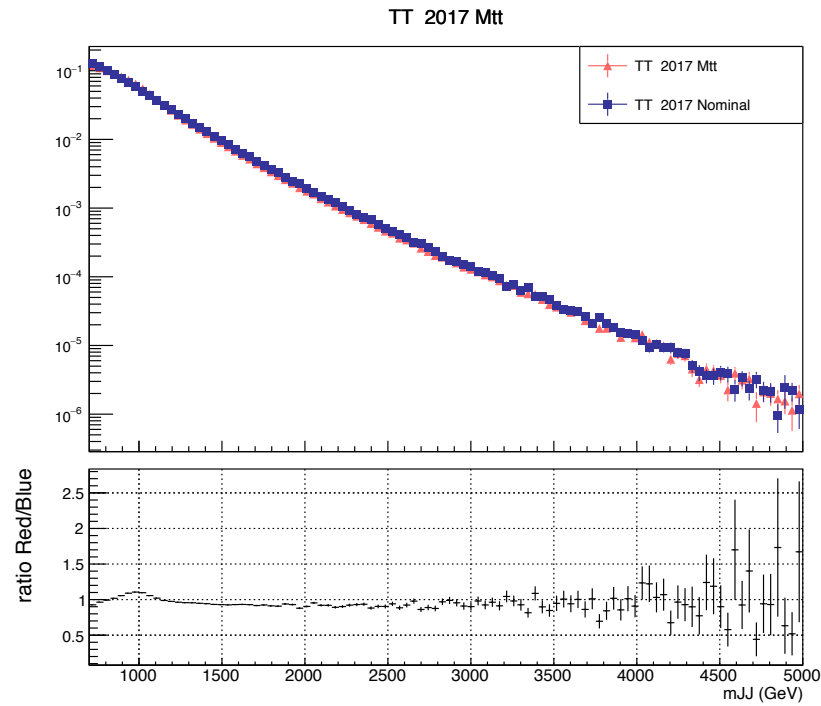
TT 2017 Mtt



TT 2017 Mtt

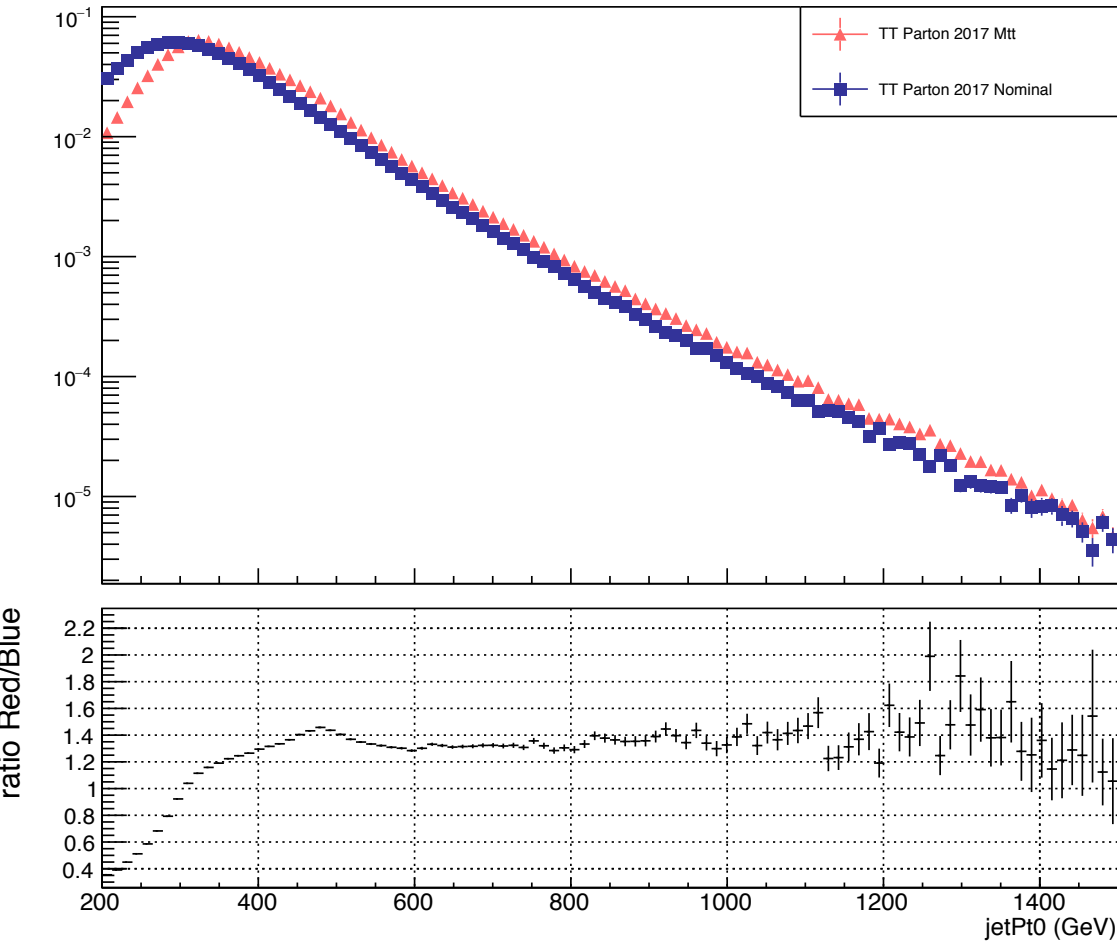


MC Closure Tests Mtt vs Nominal 2017

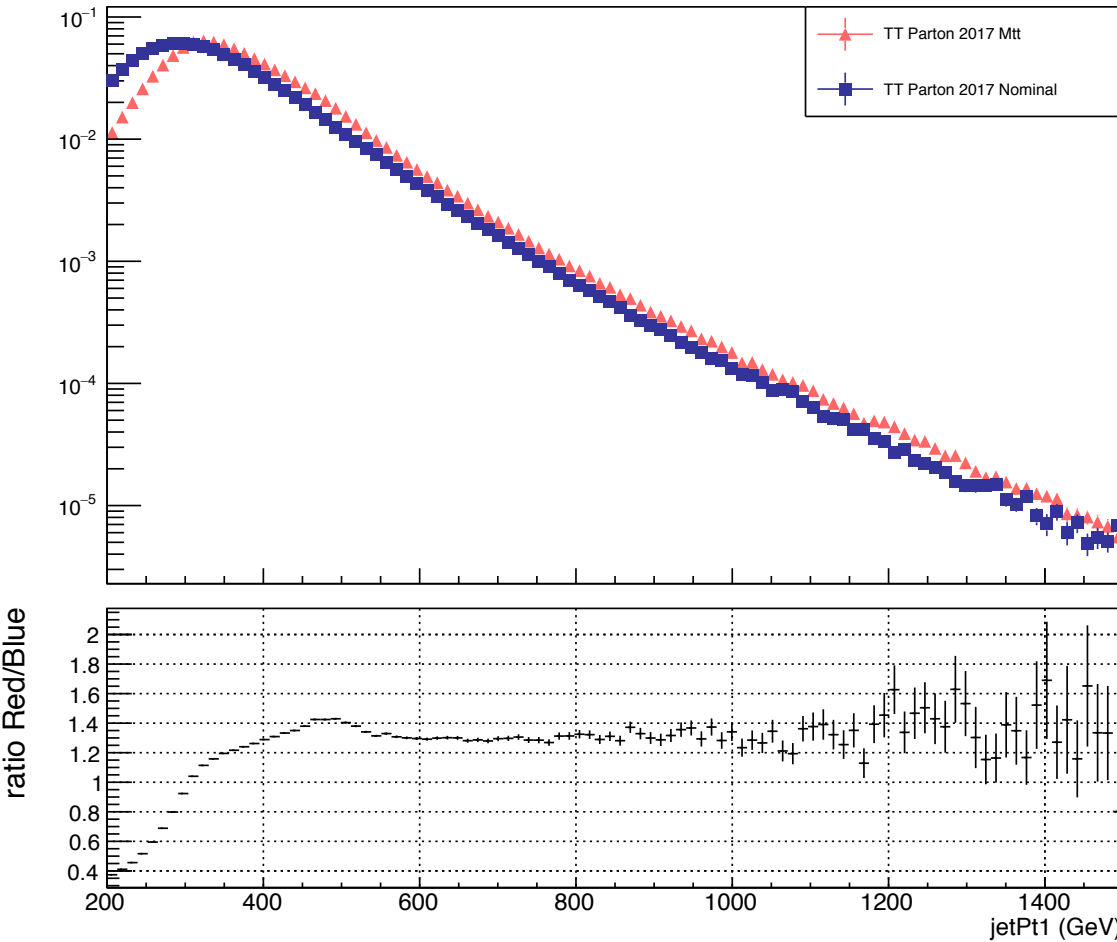


MC Closure Tests Mtt vs Nominal 2017 Parton

TT Parton 2017 Mtt

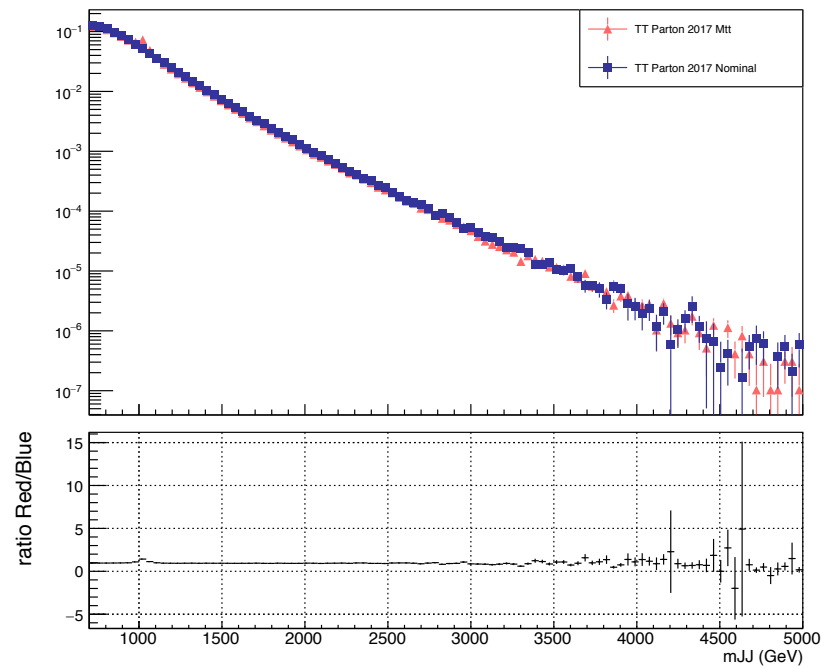


TT Parton 2017 Mtt

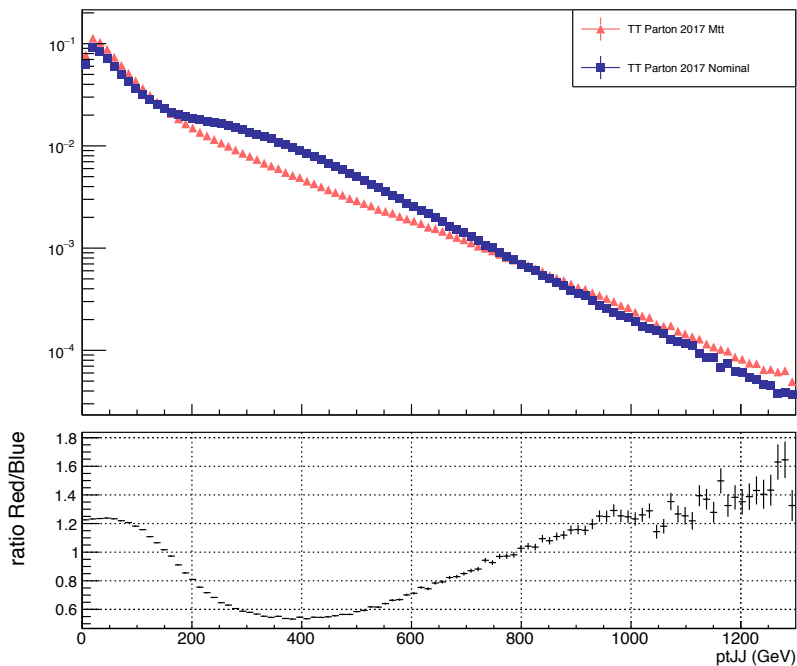


MC Closure Tests Mtt vs Nominal 2017 Parton

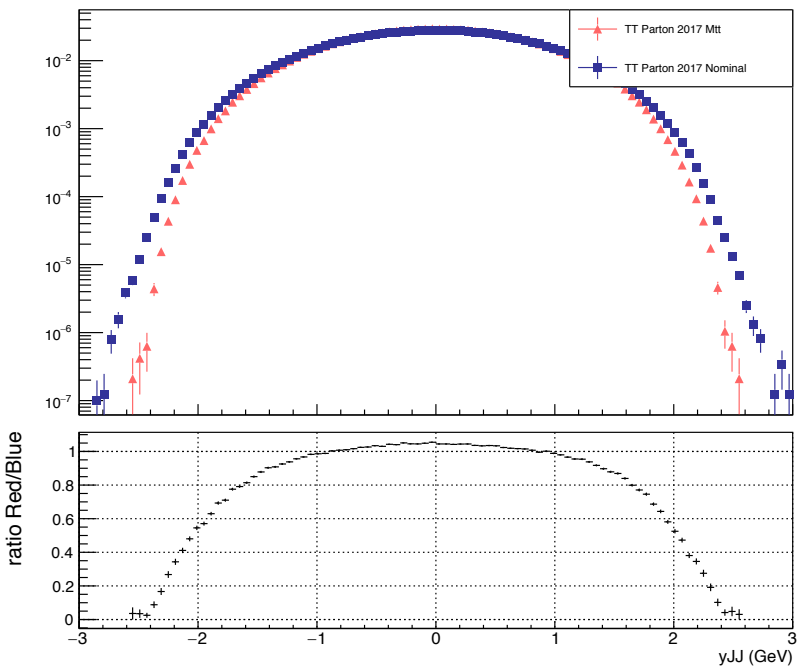
TT Parton 2017 Mtt



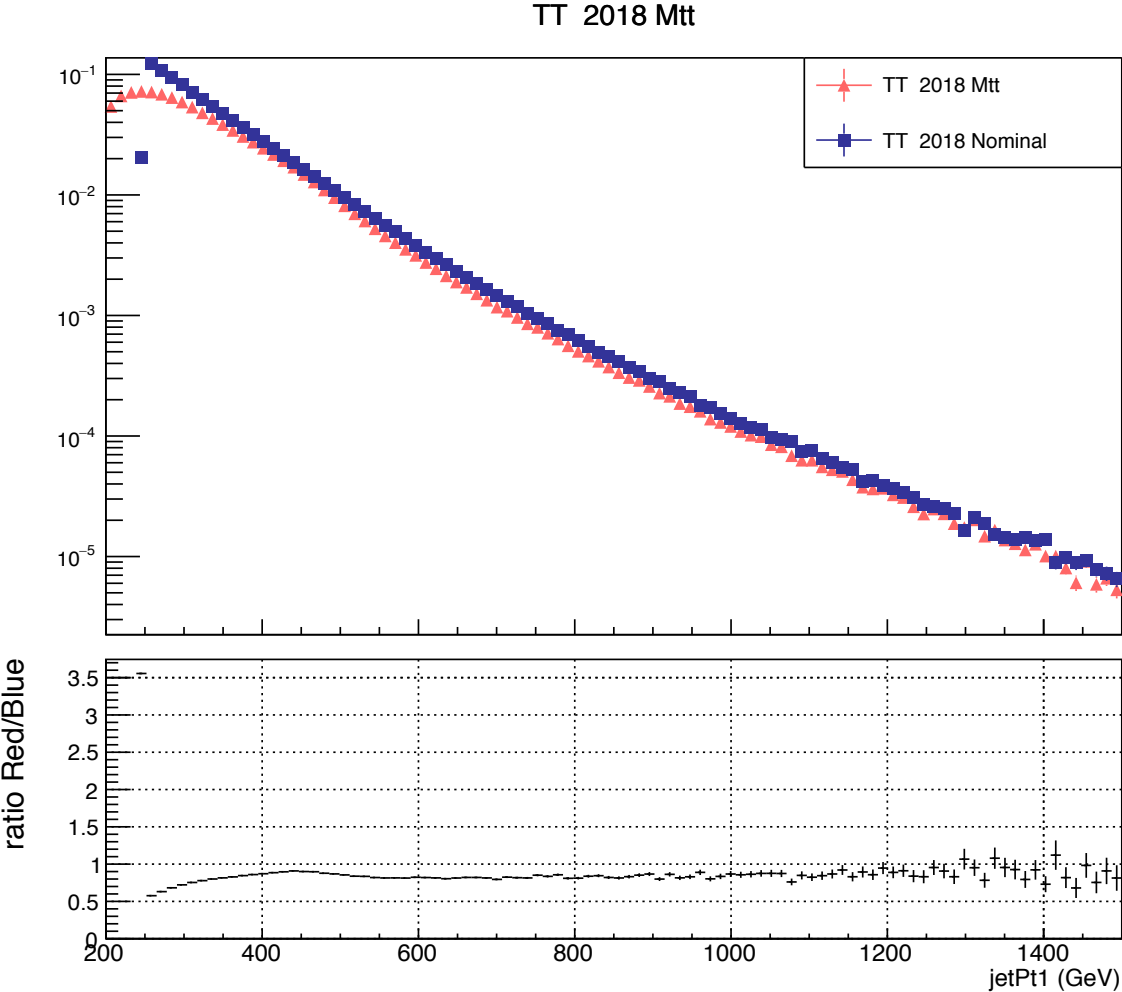
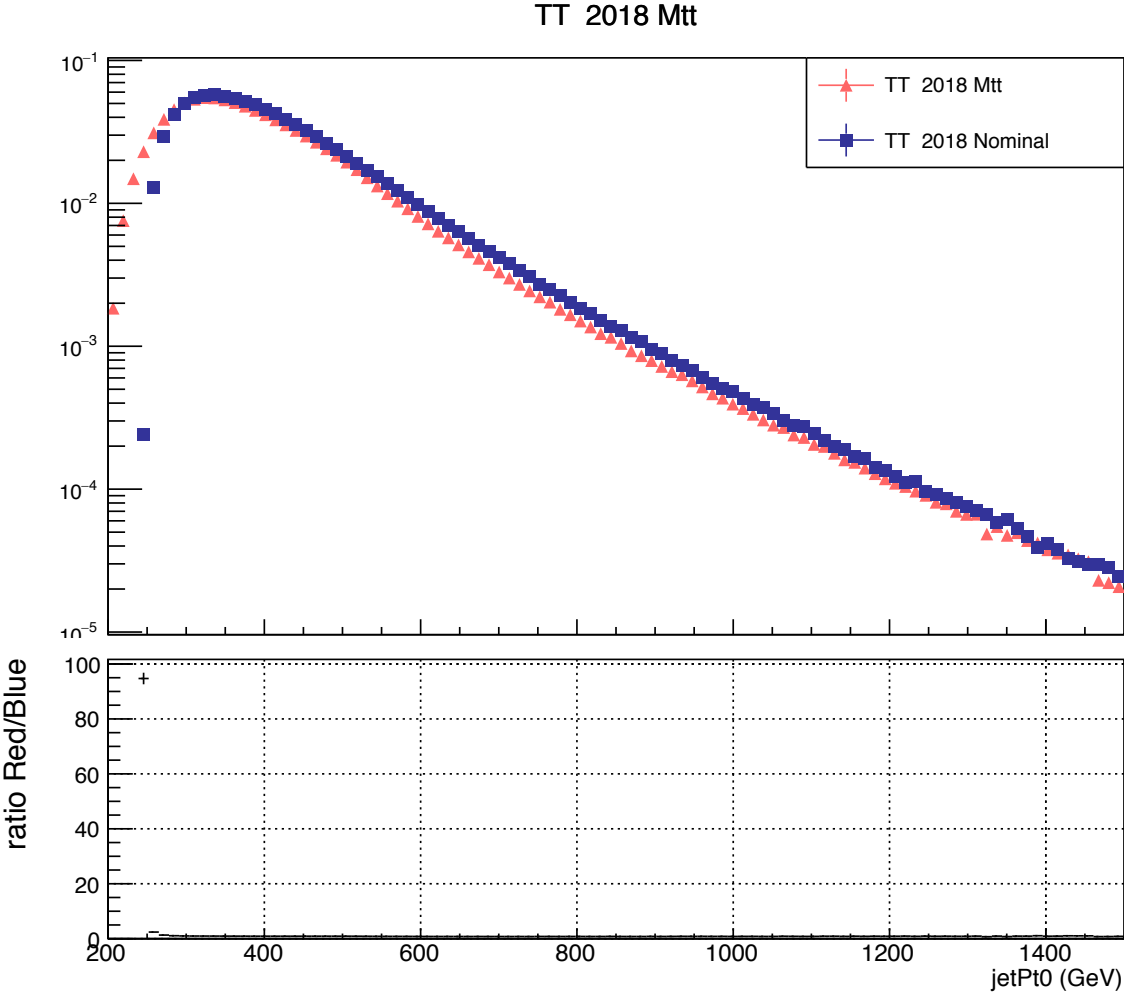
TT Parton 2017 Mtt



TT Parton 2017 Mtt

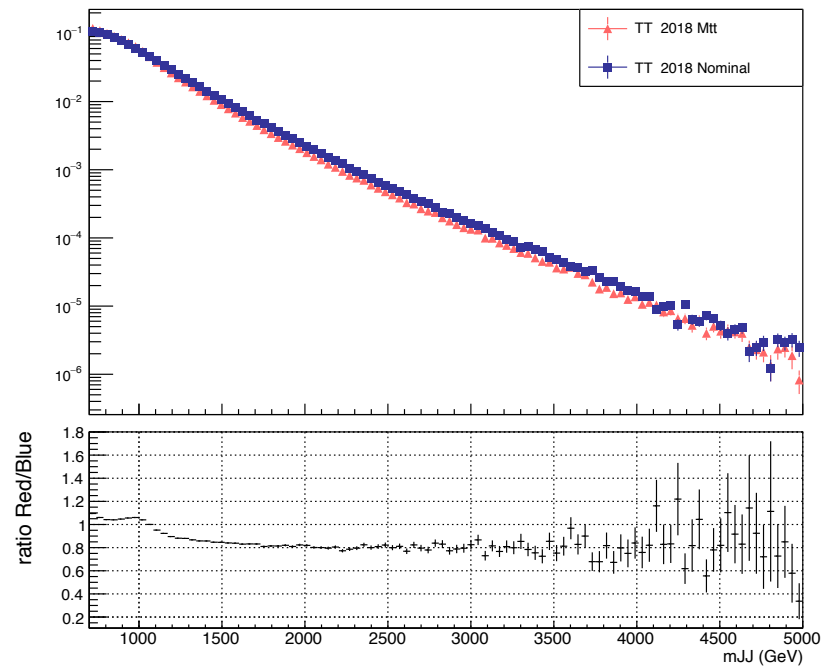


MC Closure Tests Mtt vs Nominal 2018

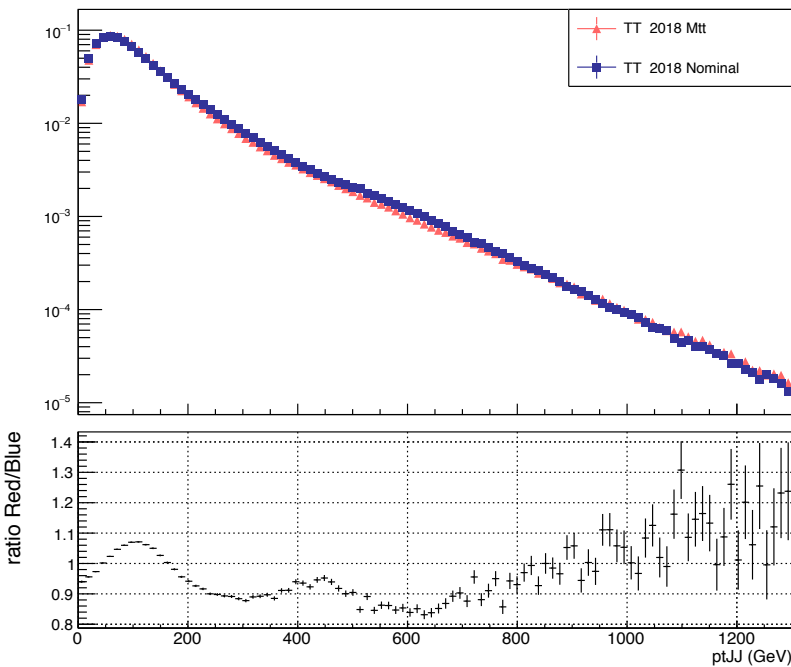


MC Closure Tests Mtt vs Nominal 2018

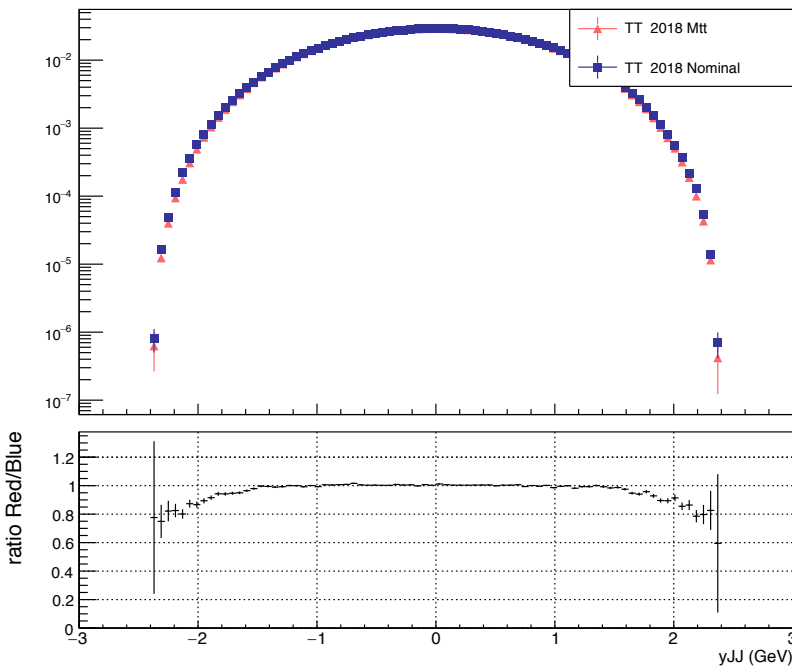
TT 2018 Mtt



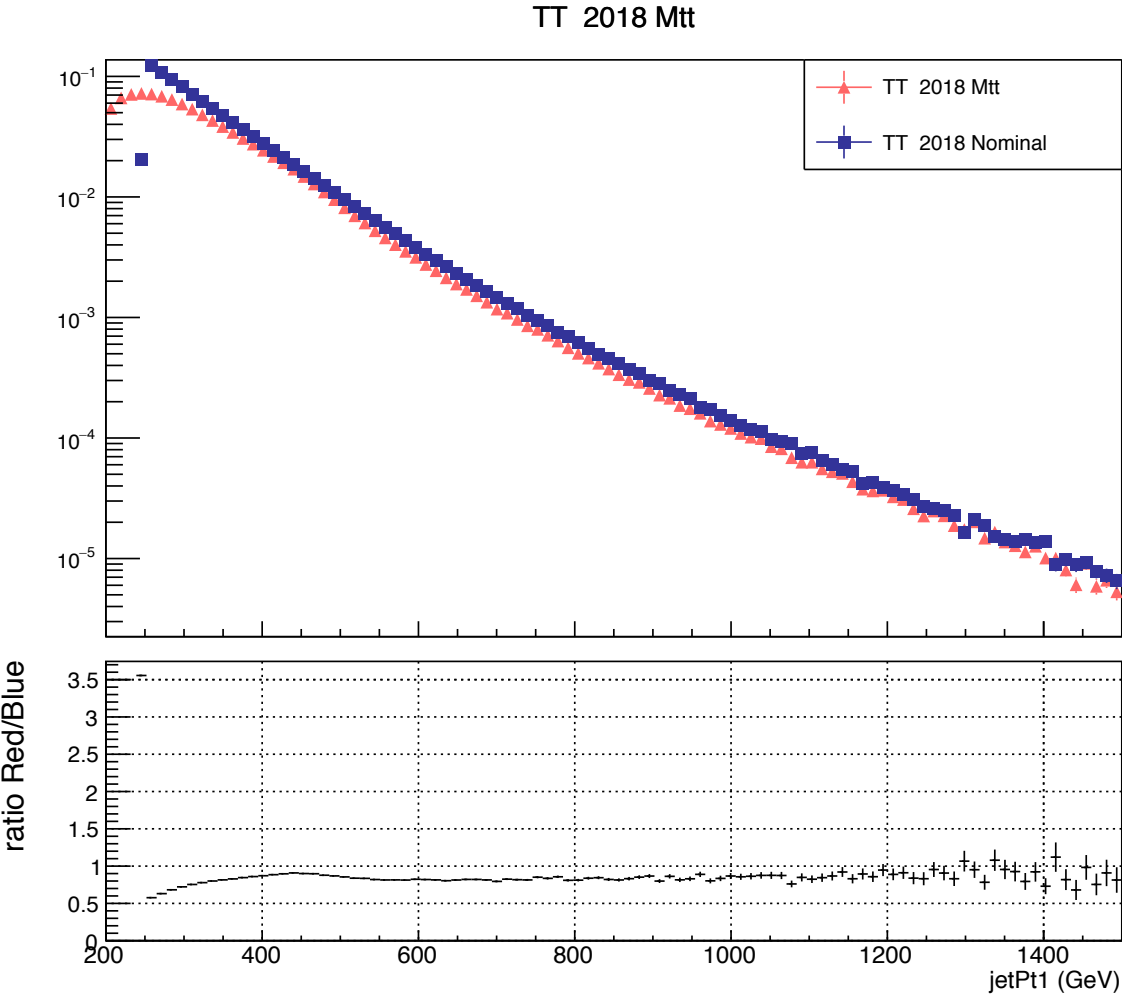
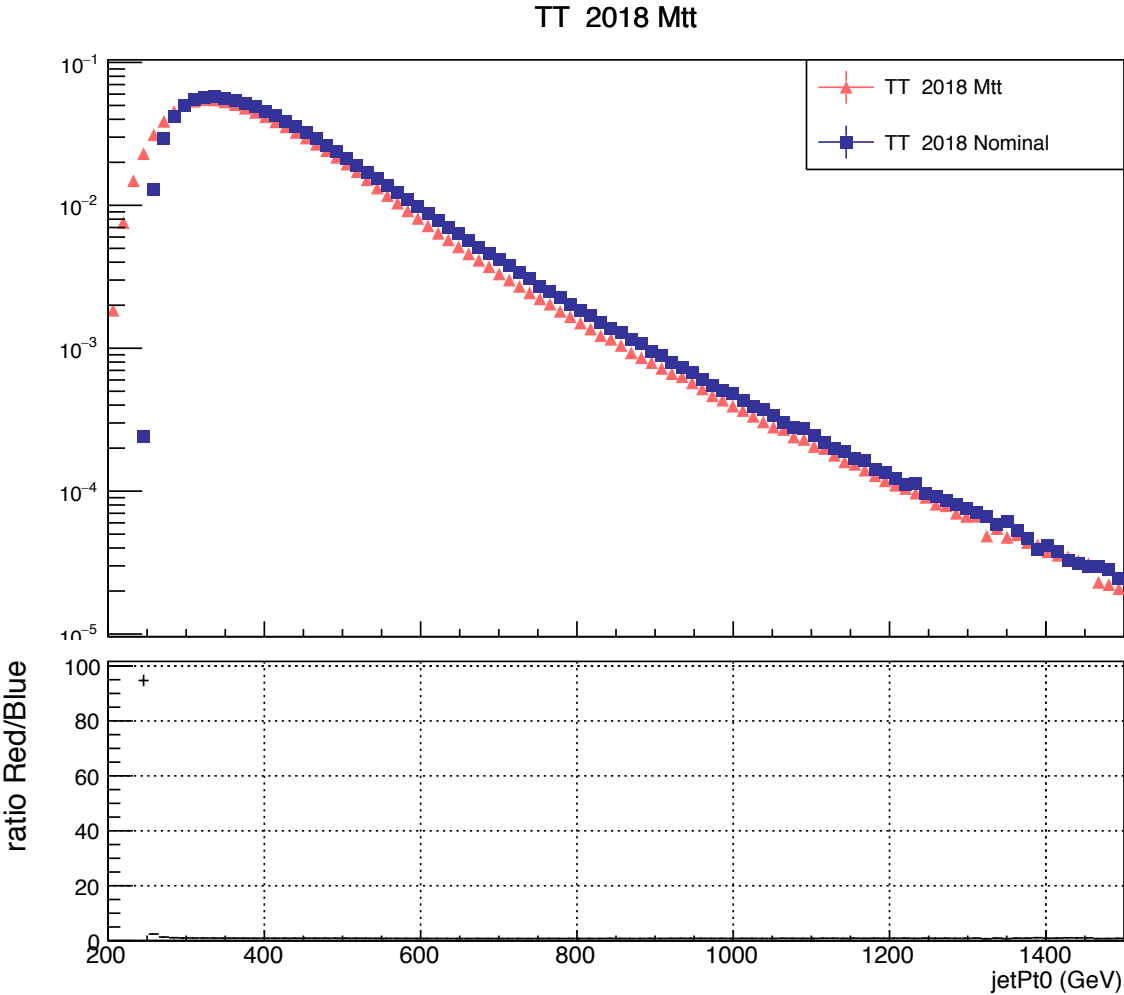
TT 2018 Mtt



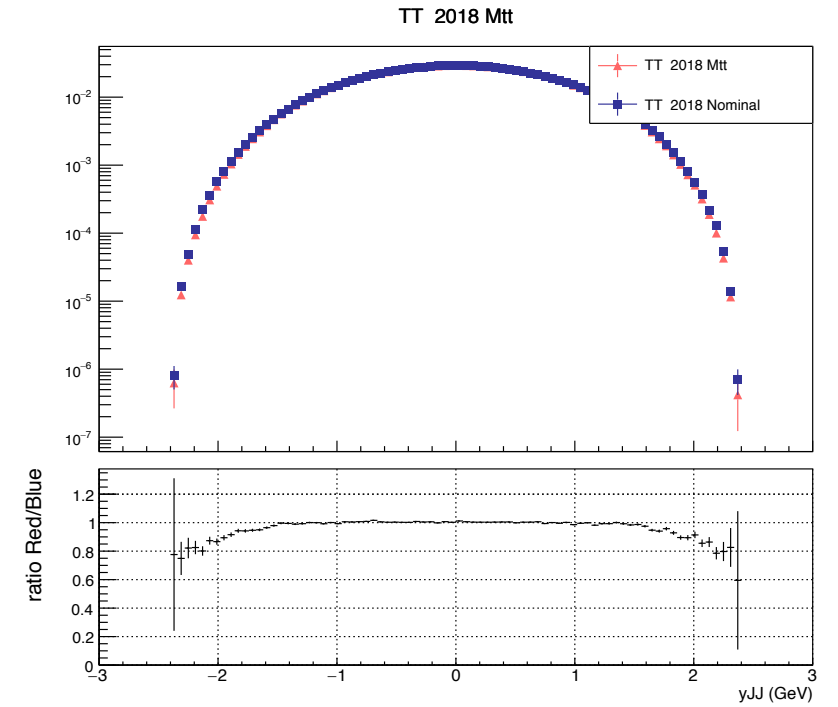
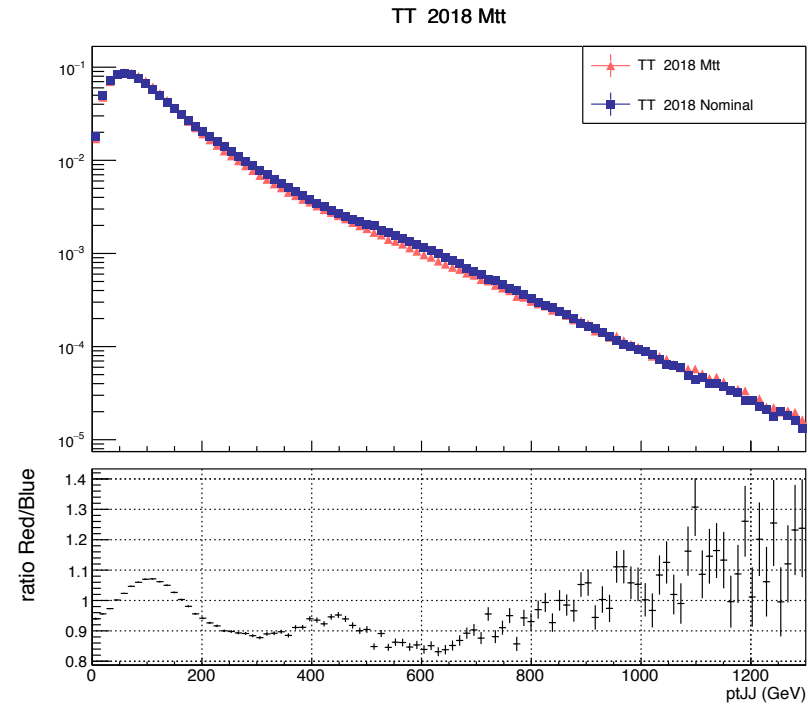
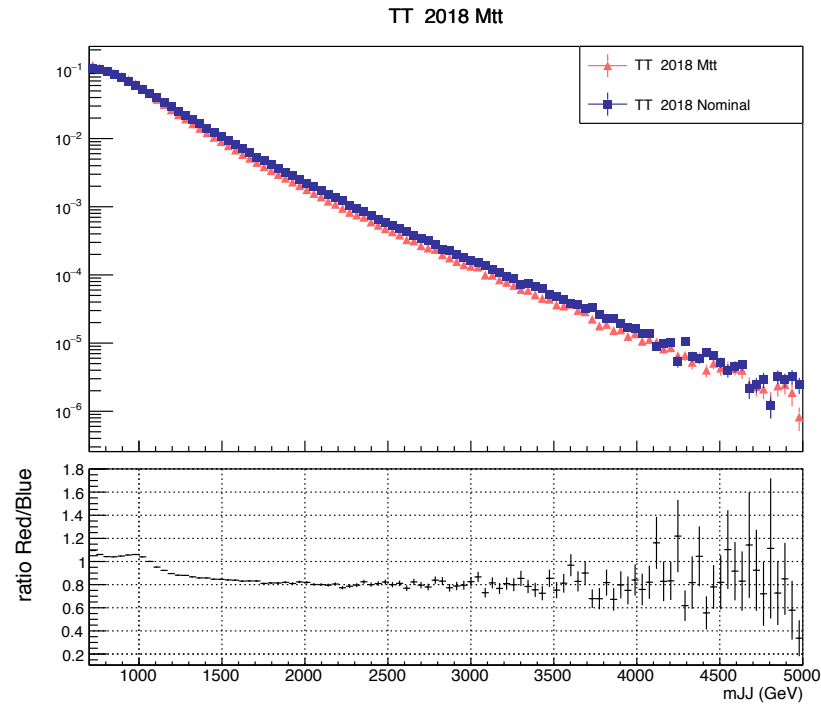
TT 2018 Mtt



MC Closure Tests Mtt vs Nominal 2018 Parton

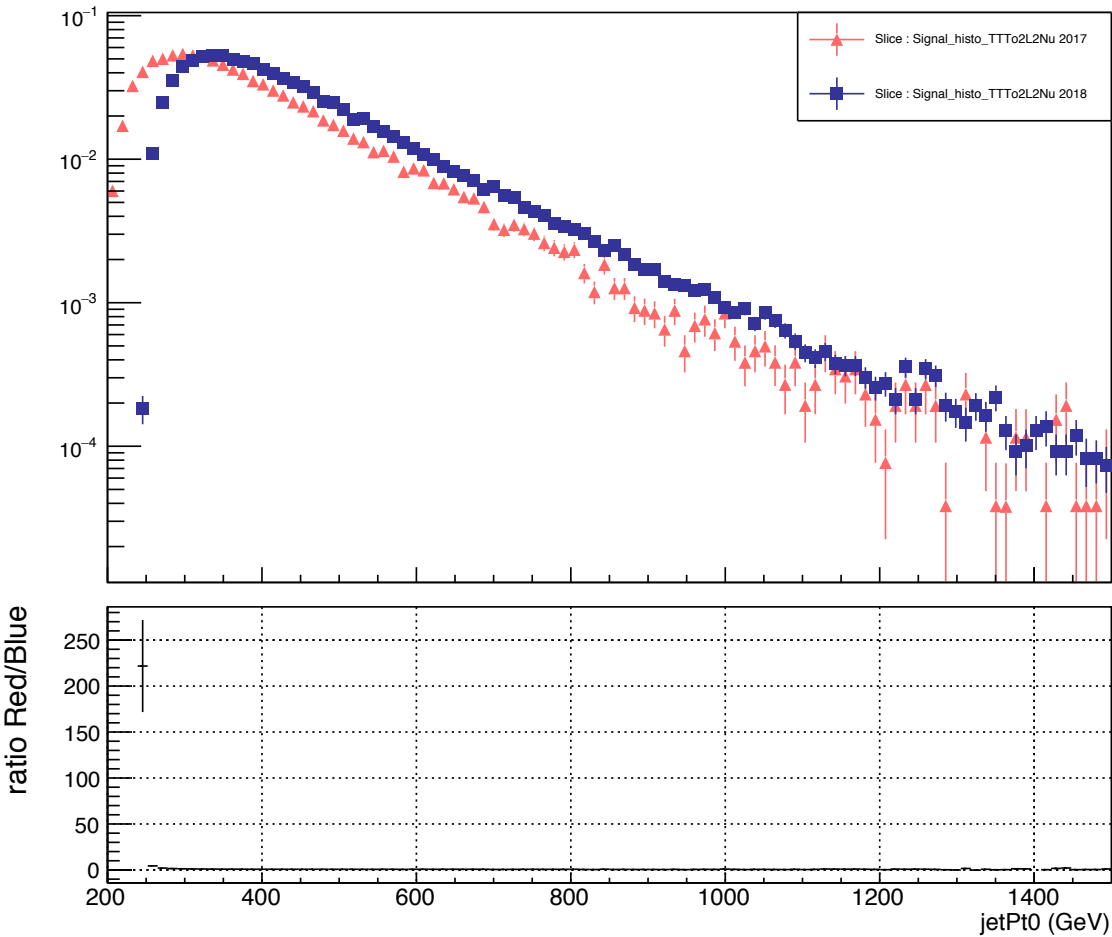


MC Closure Tests Mtt vs Nominal 2018 Parton

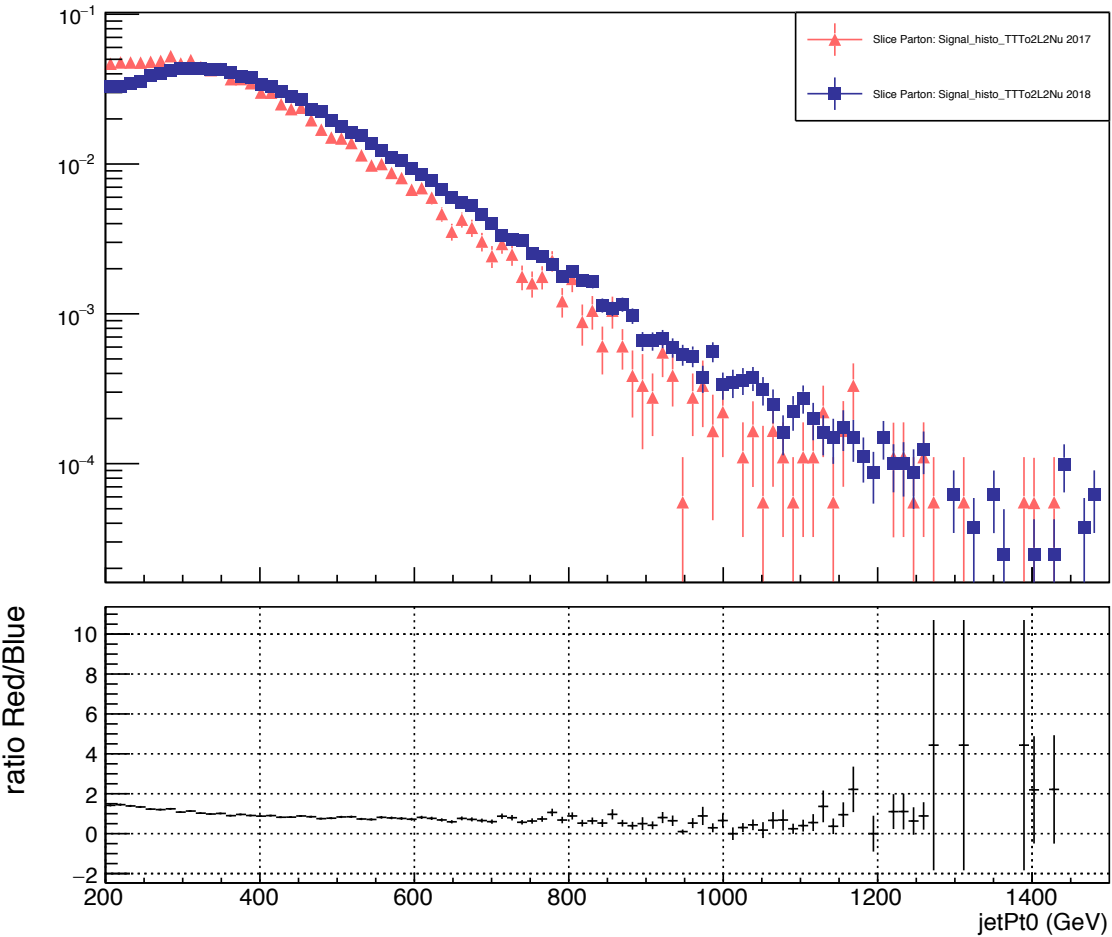


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTTto2L2Nu 2017

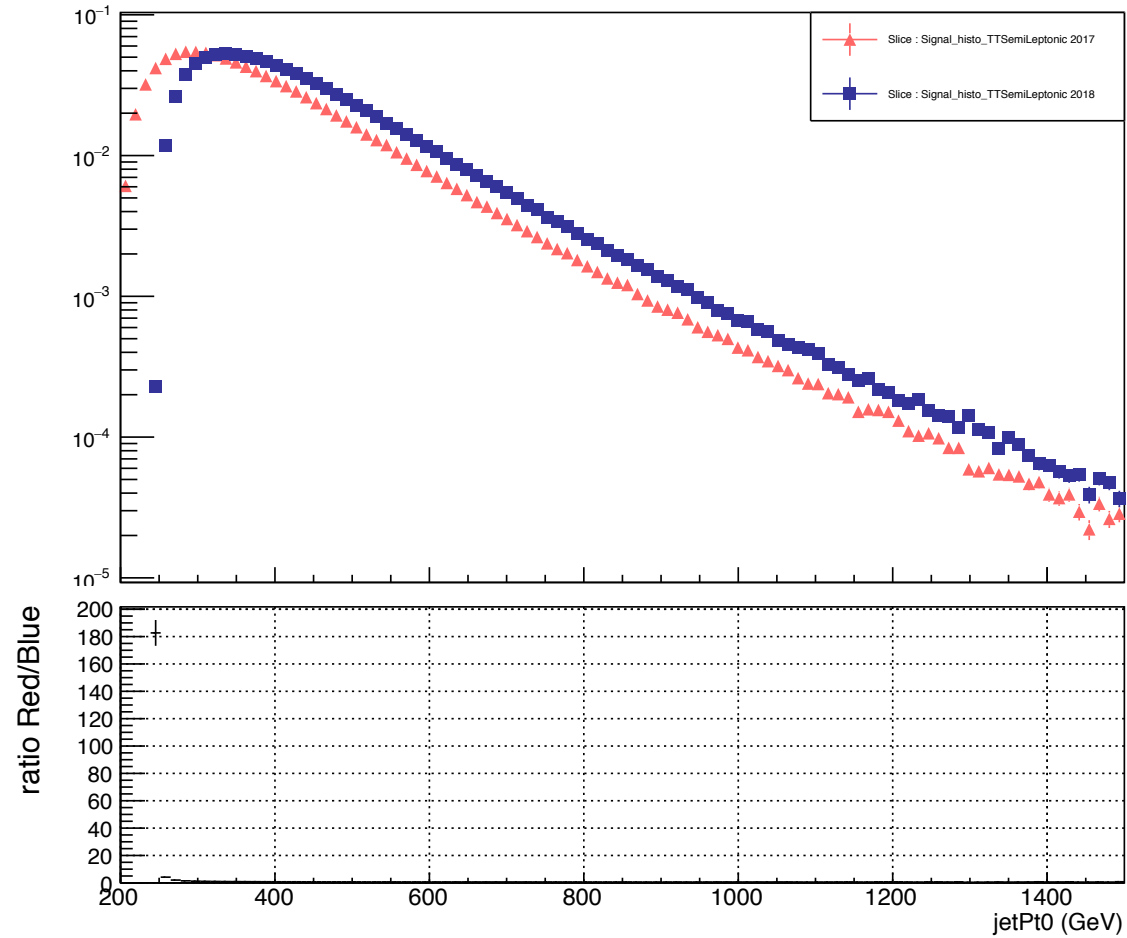


Slice Parton: Signal_histo_TTTto2L2Nu 2017

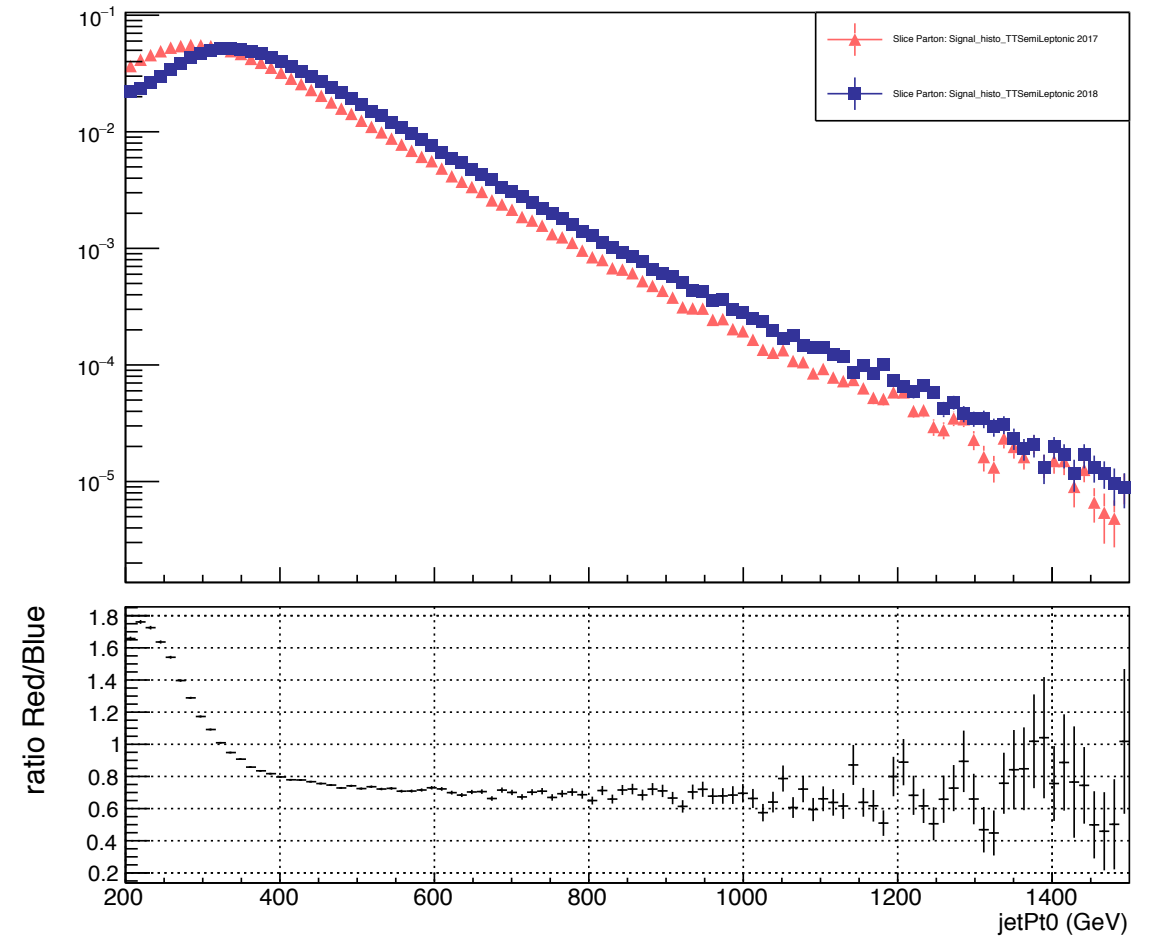


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTSemiLeptonic 2017

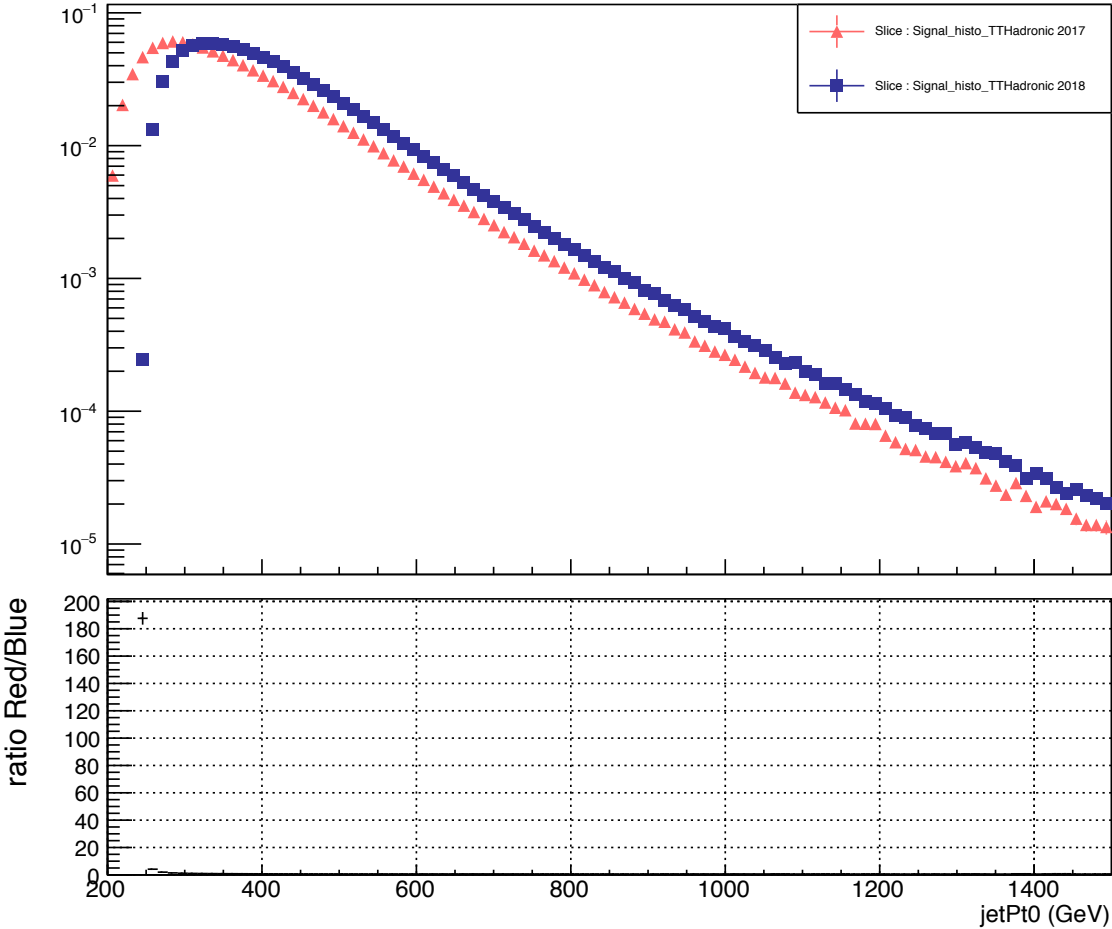


Slice Parton: Signal_histo_TTSemiLeptonic 2017

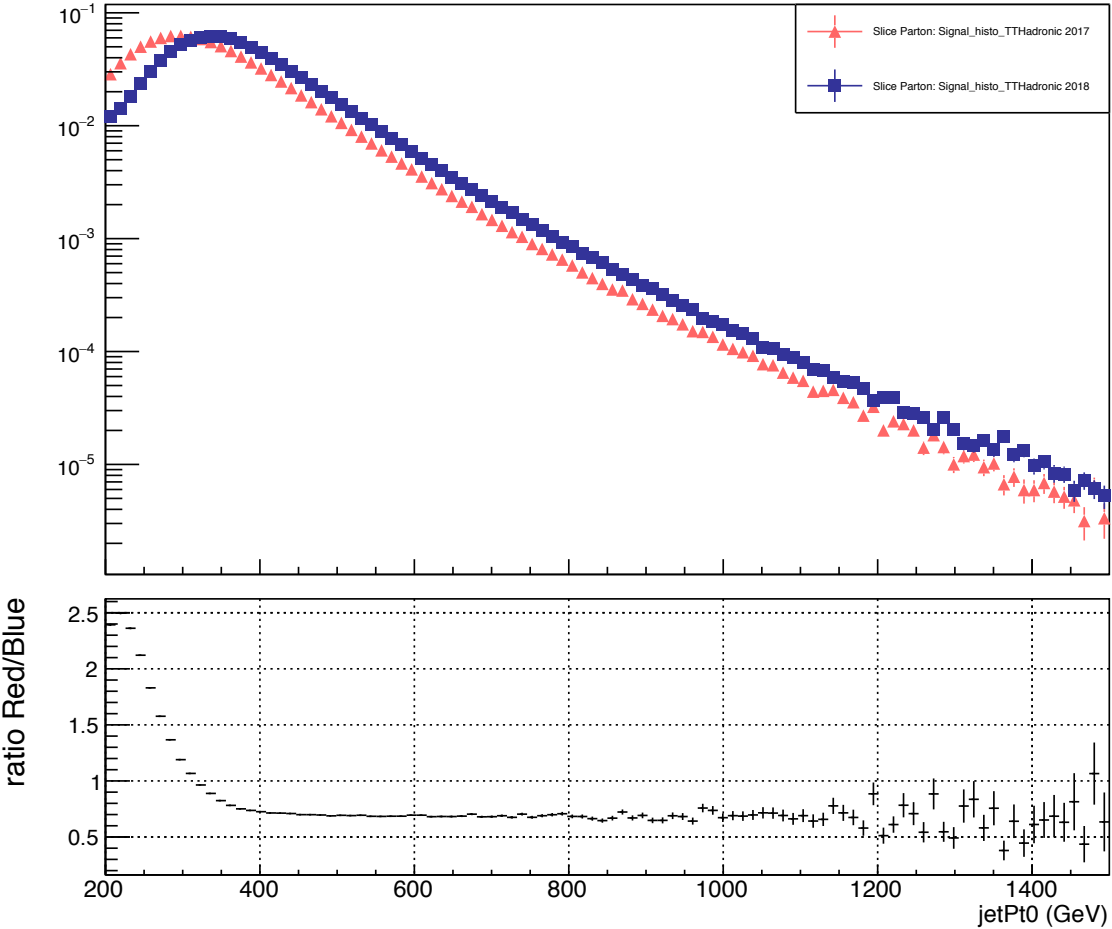


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTHadronic 2017

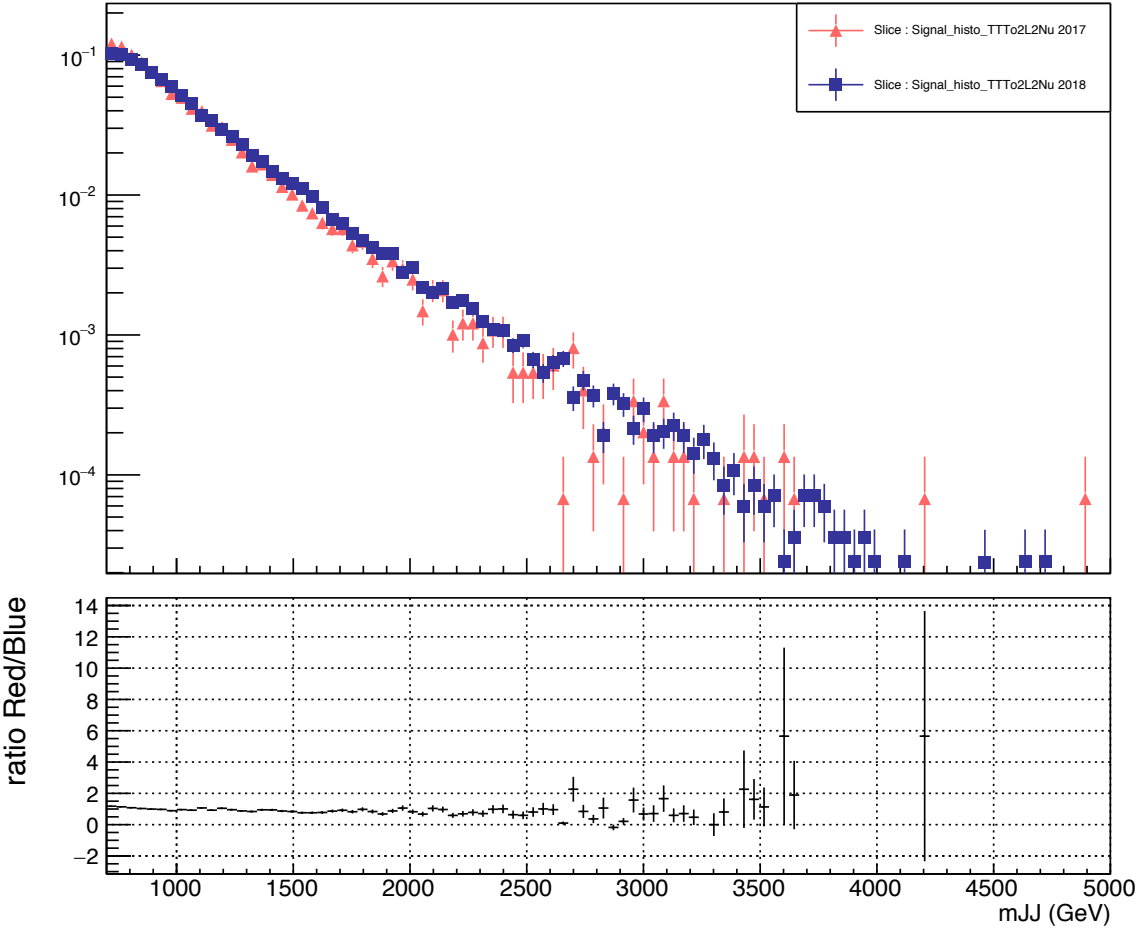


Slice Parton: Signal_histo_TTHadronic 2017

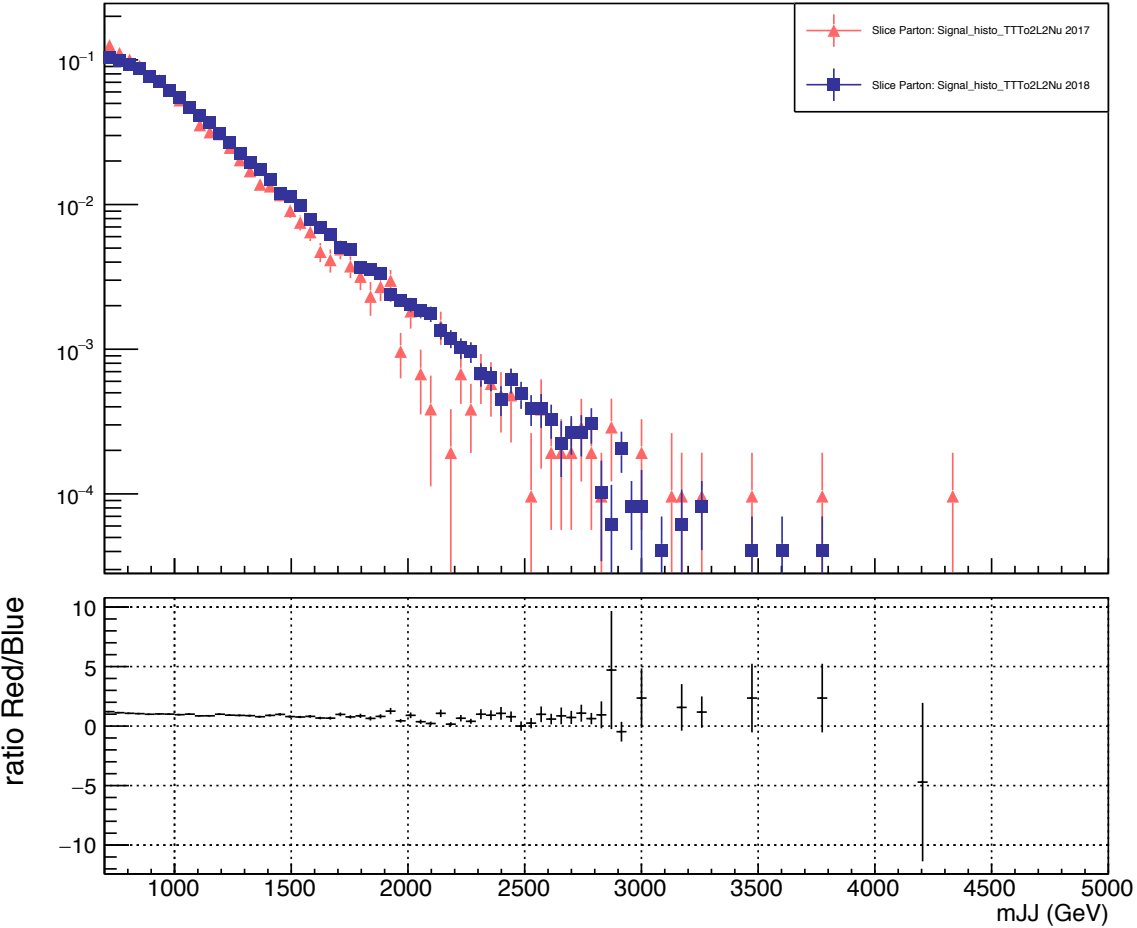


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTTo2L2Nu 2017

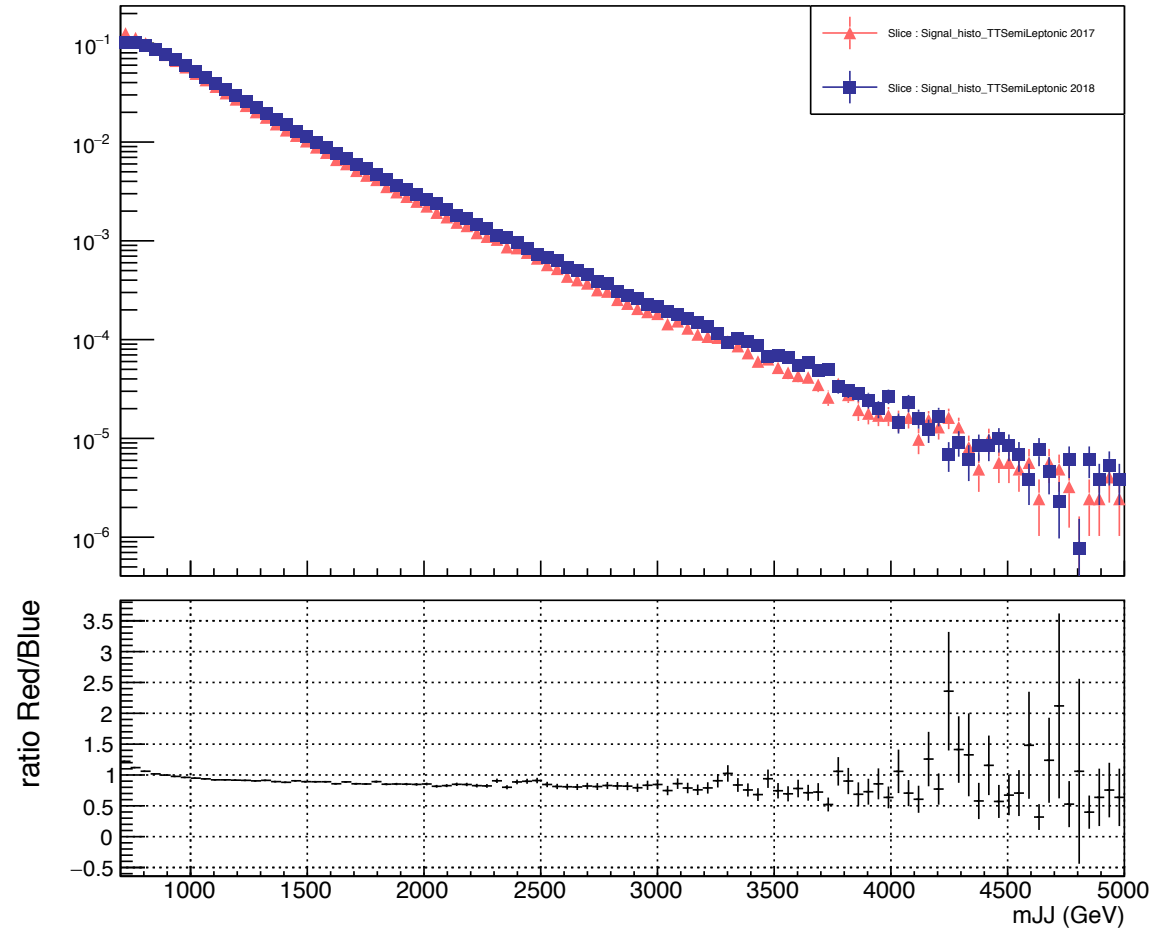


Slice Parton: Signal_histo_TTTo2L2Nu 2017

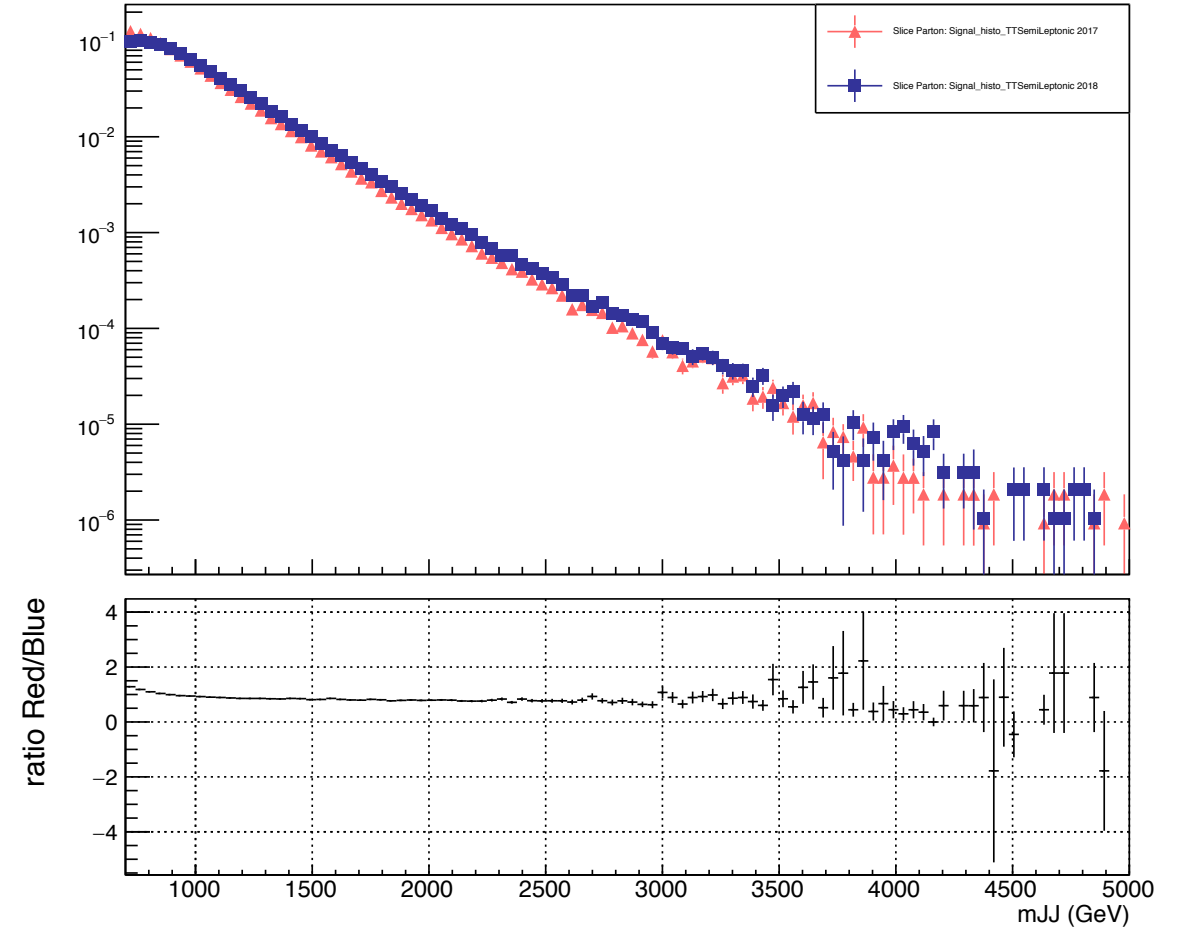


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTSemiLeptonic 2017

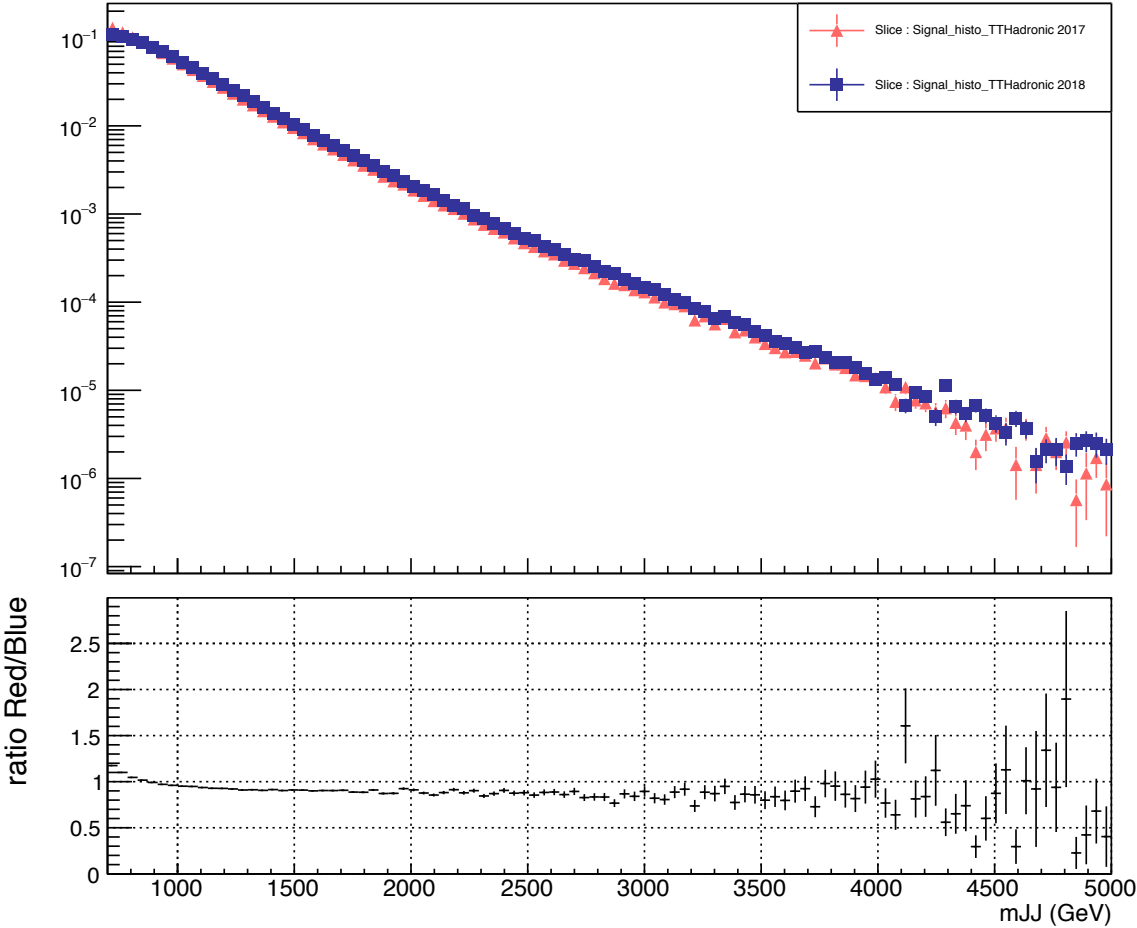


Slice Parton: Signal_histo_TTSemiLeptonic 2017

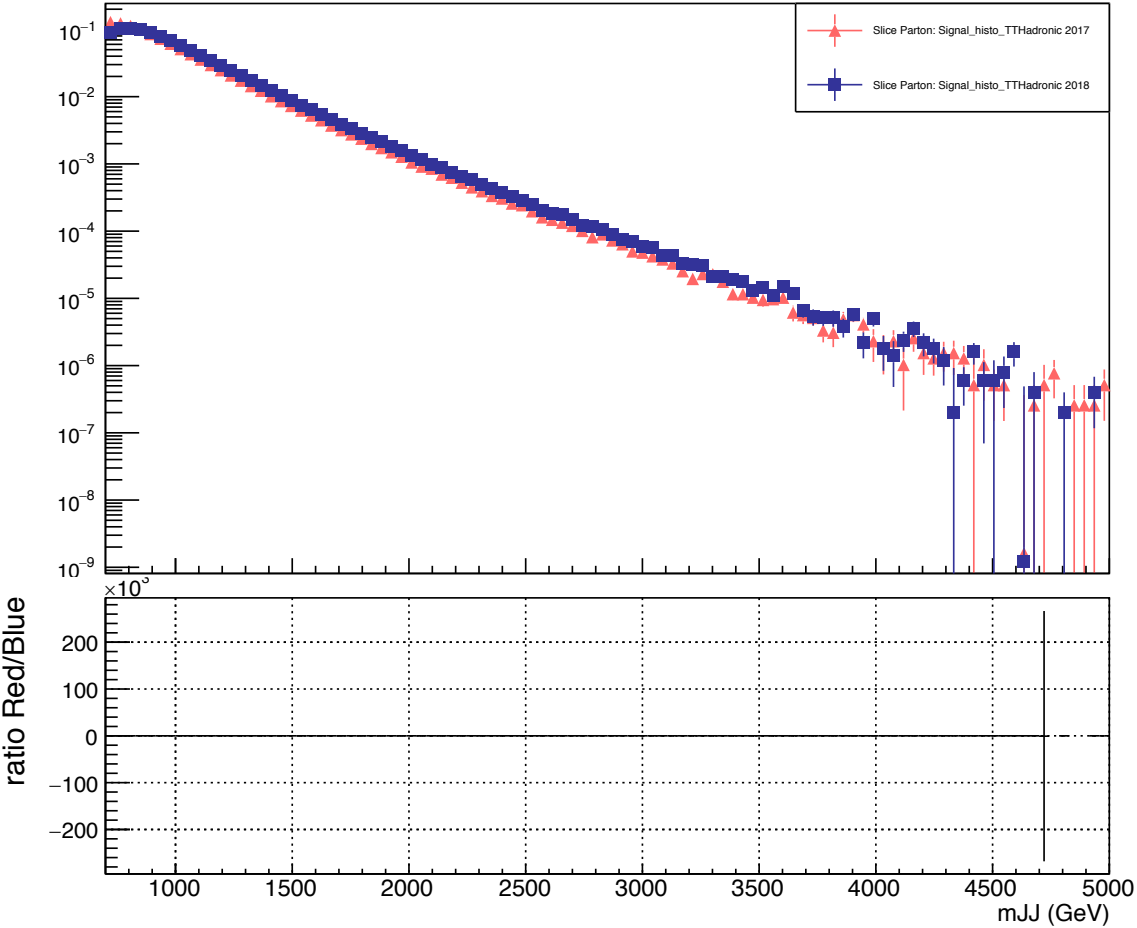


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTHadronic 2017

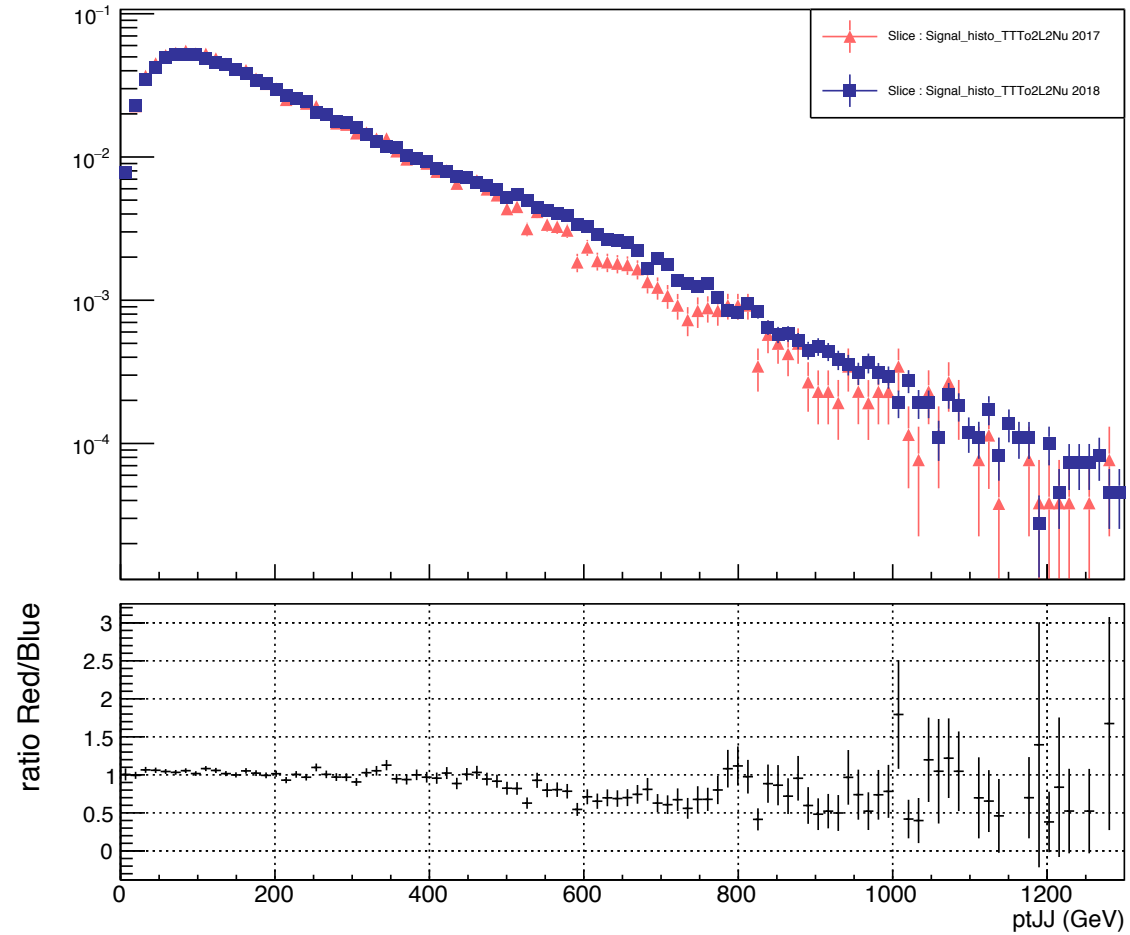


Slice Parton: Signal_histo_TTHadronic 2017

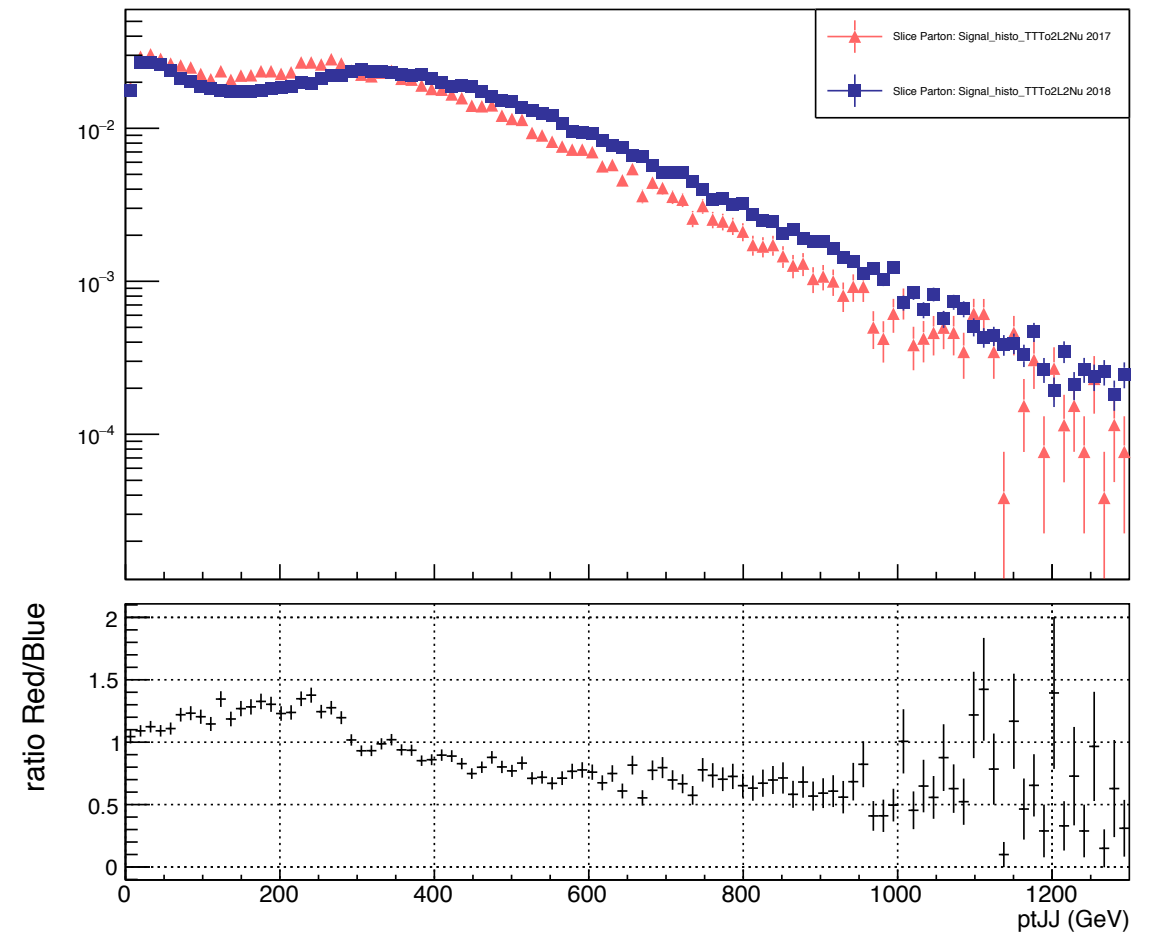


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTTto2L2Nu 2017

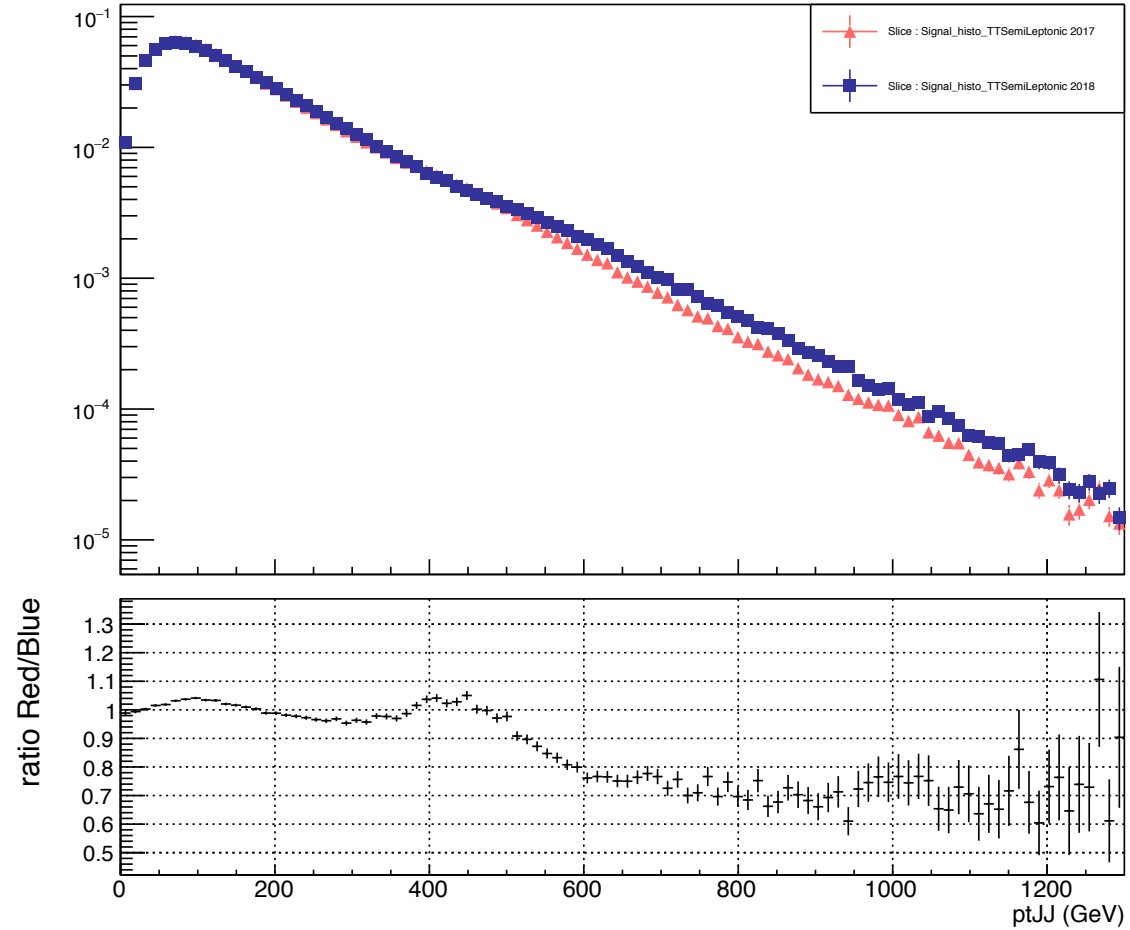


Slice Parton: Signal_histo_TTTto2L2Nu 2017

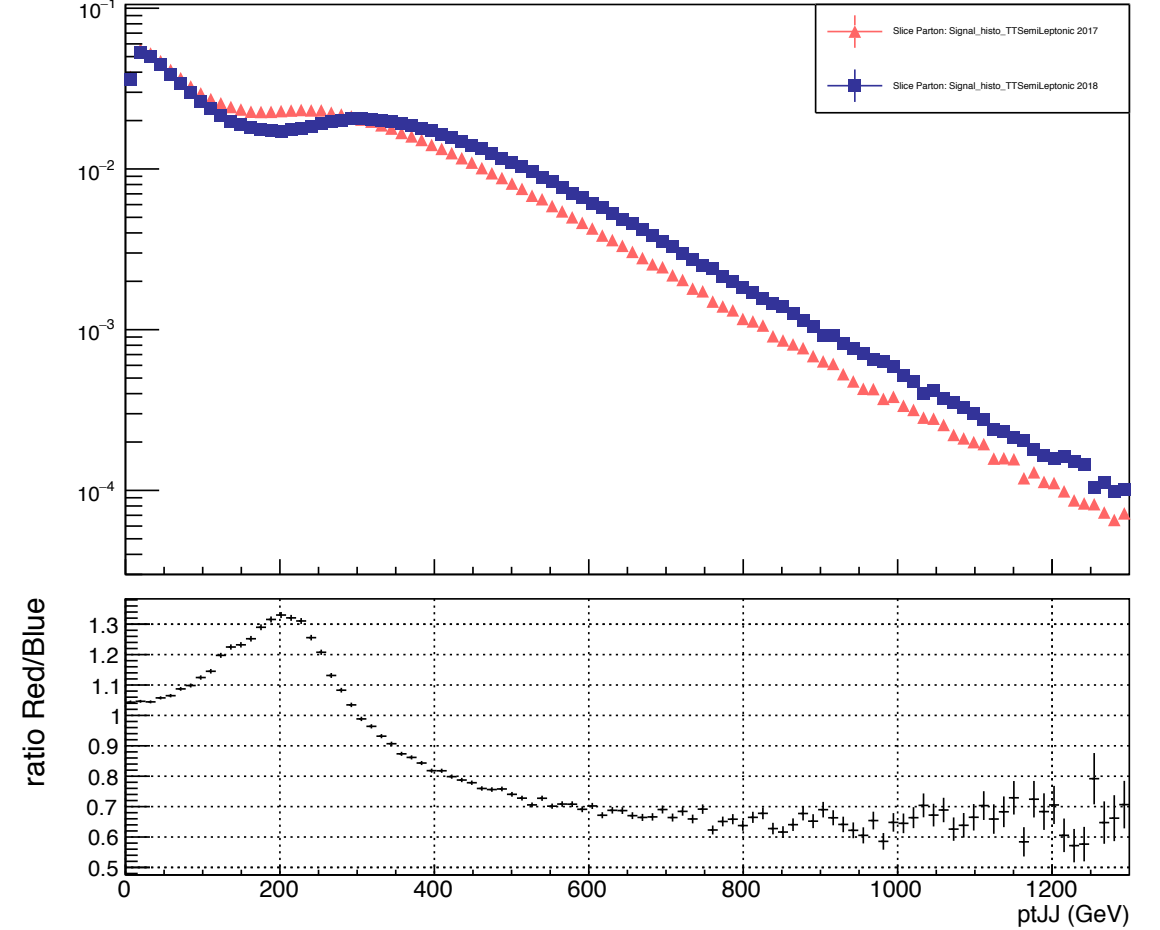


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTSemiLeptonic 2017

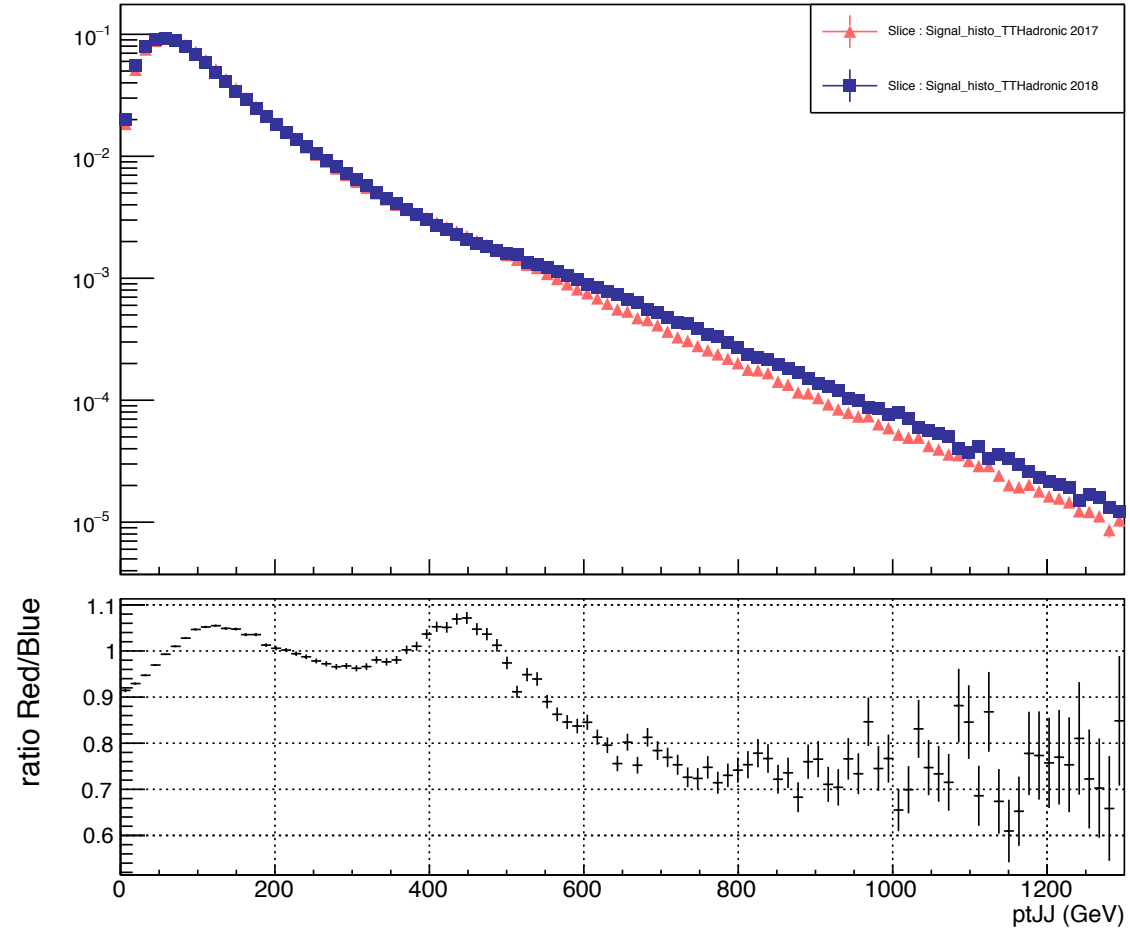


Slice Parton: Signal_histo_TTSemiLeptonic 2017

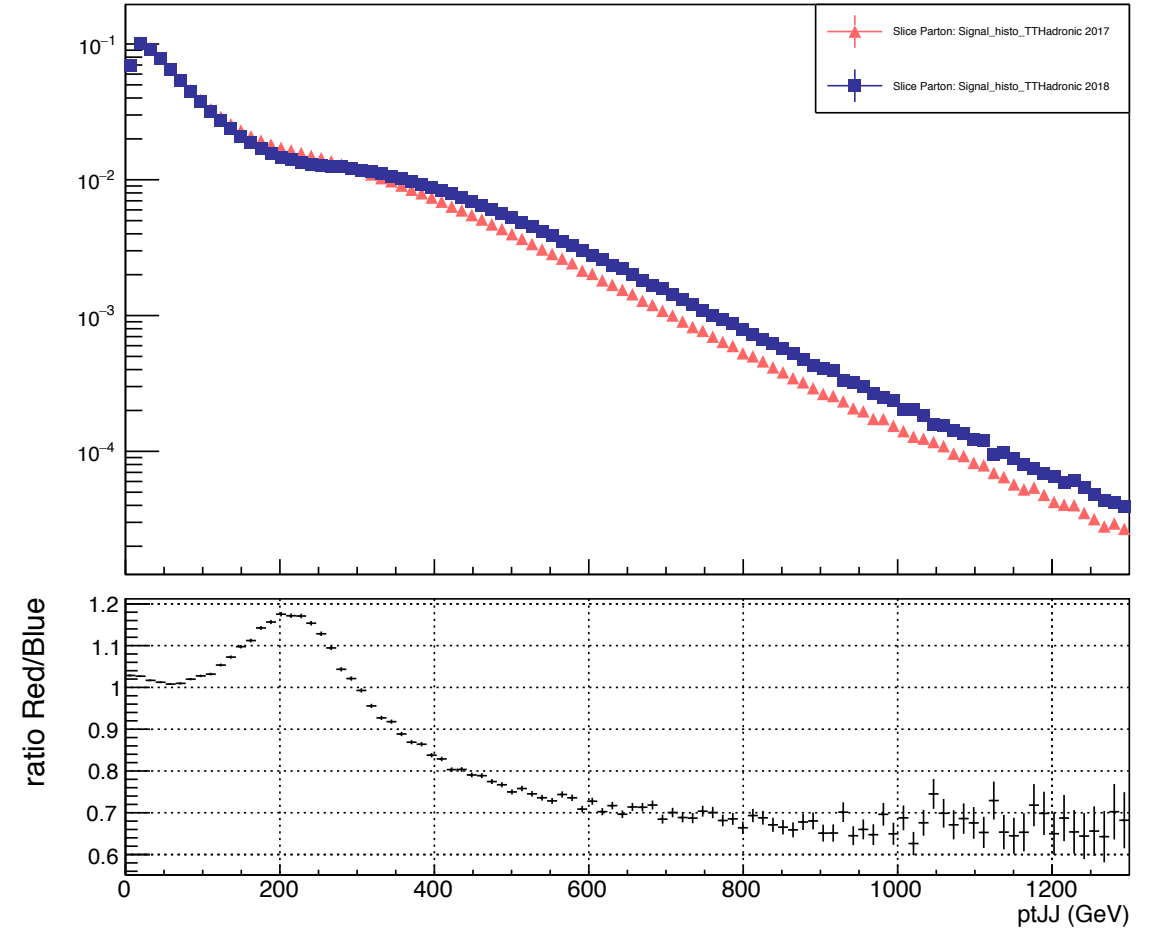


MC Closure Tests Nominal 2017 vs 2018 (shape) per slice

Slice : Signal_histo_TTHadronic 2017

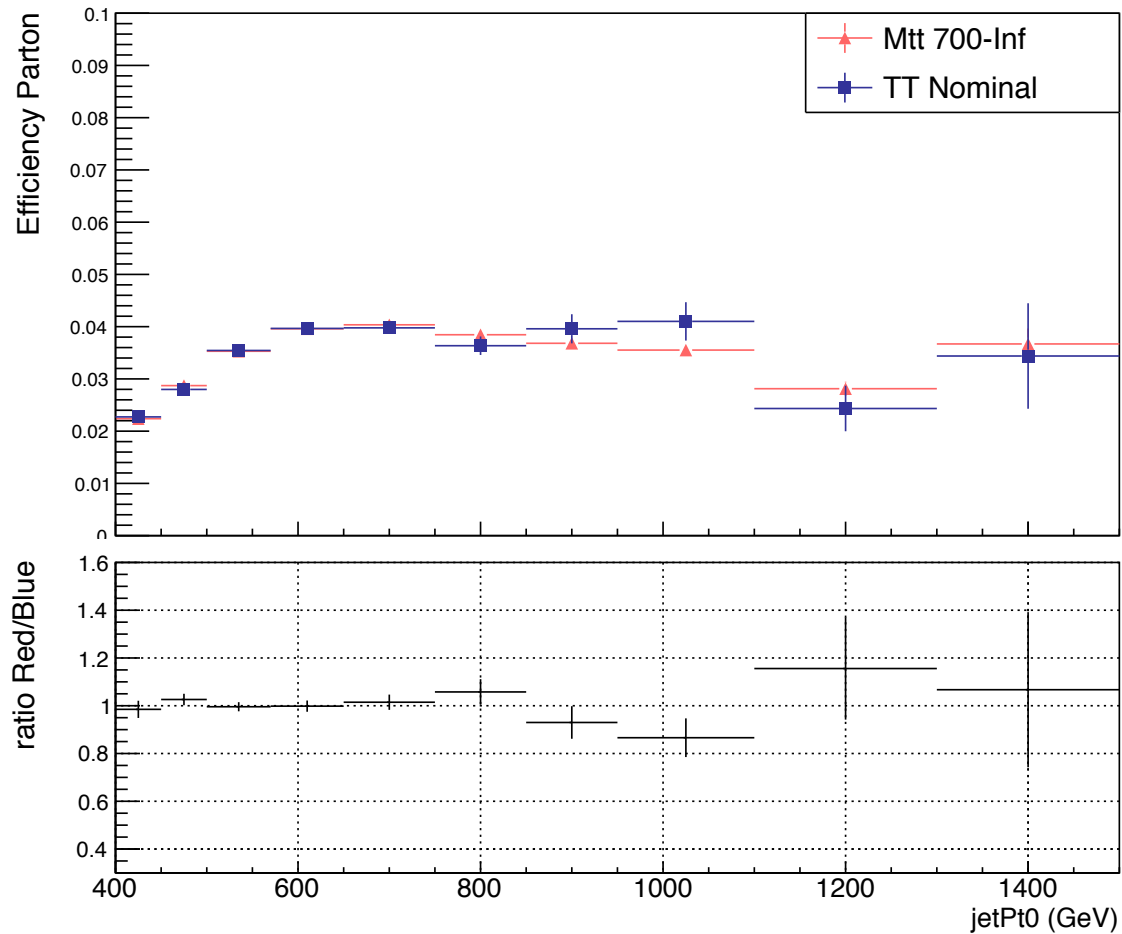


Slice Parton: Signal_histo_TTHadronic 2017

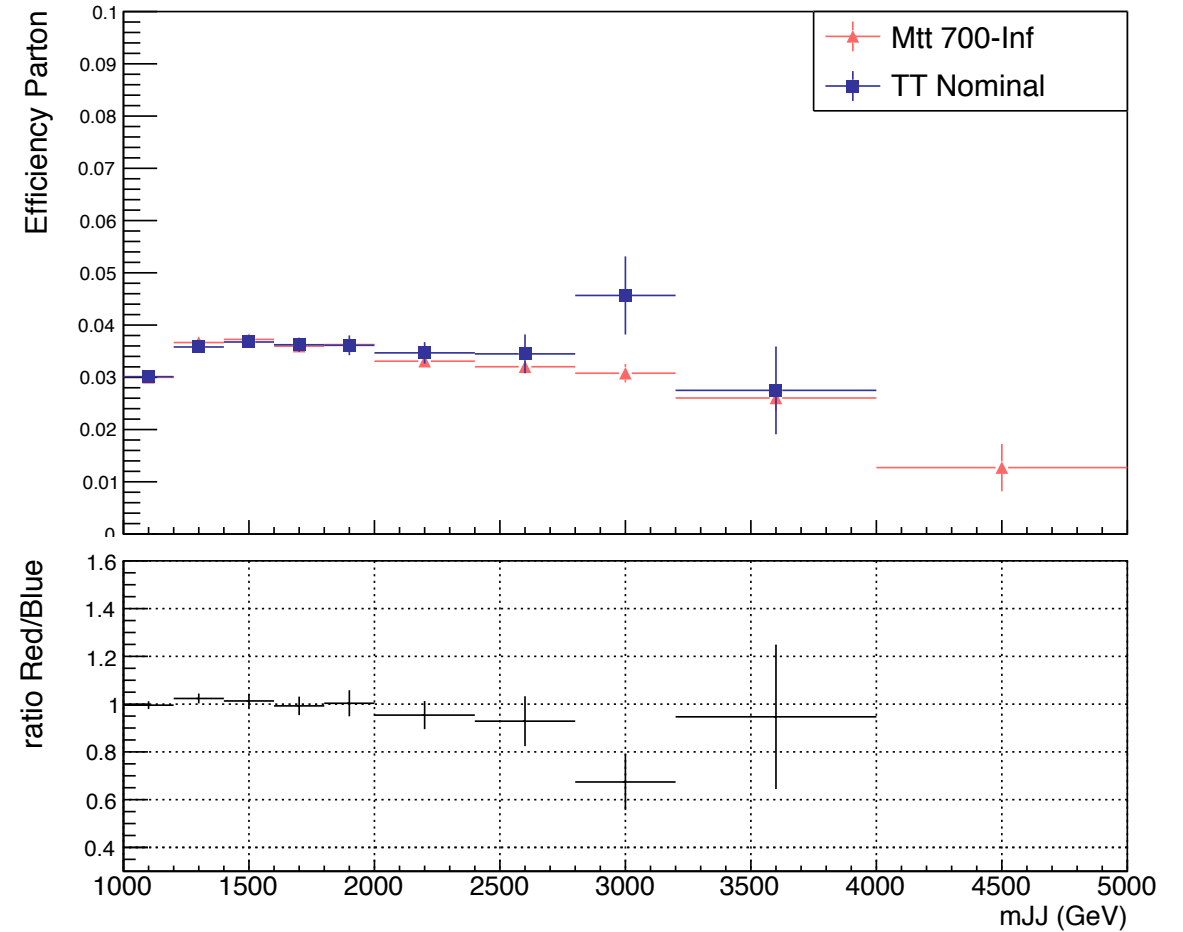


Efficiency from Nominal MC and High Mtt

Parton Efficiency 2016

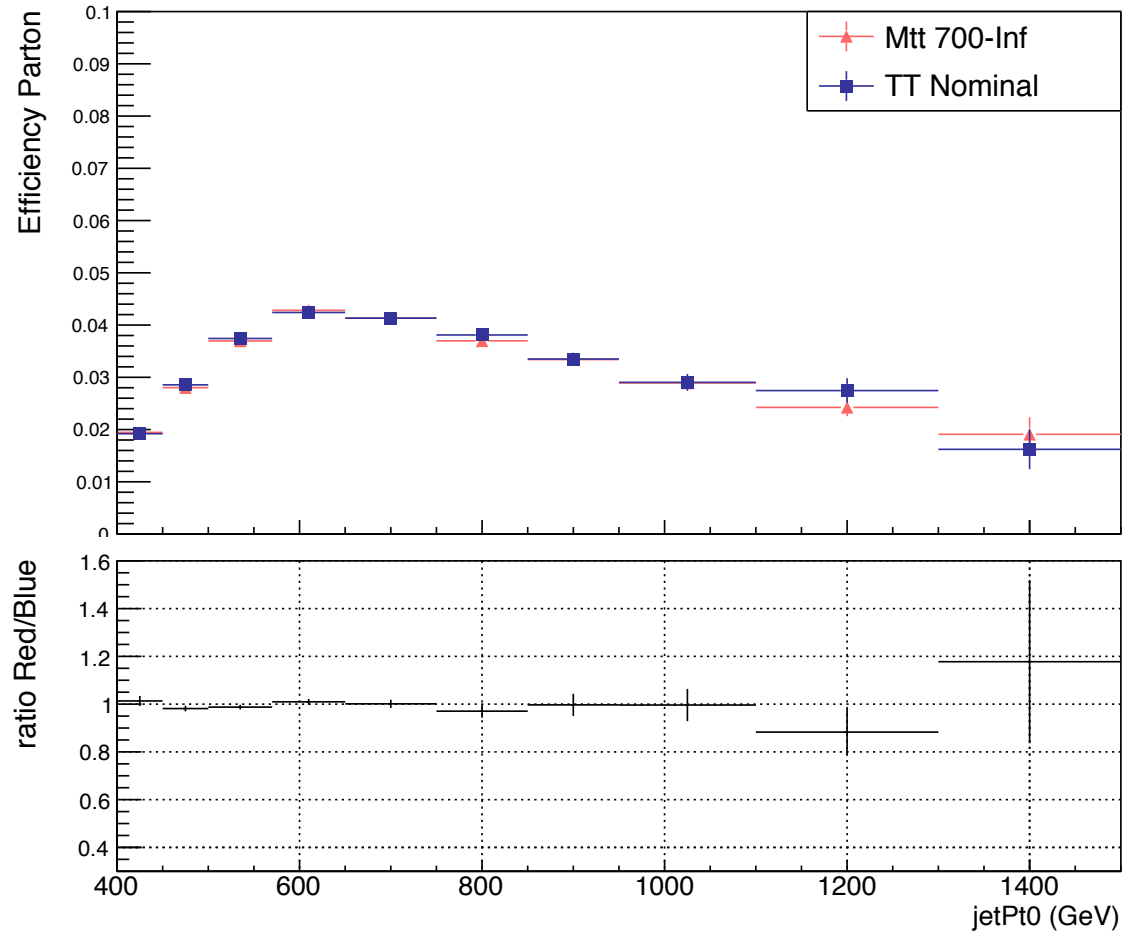


Parton Efficiency 2016

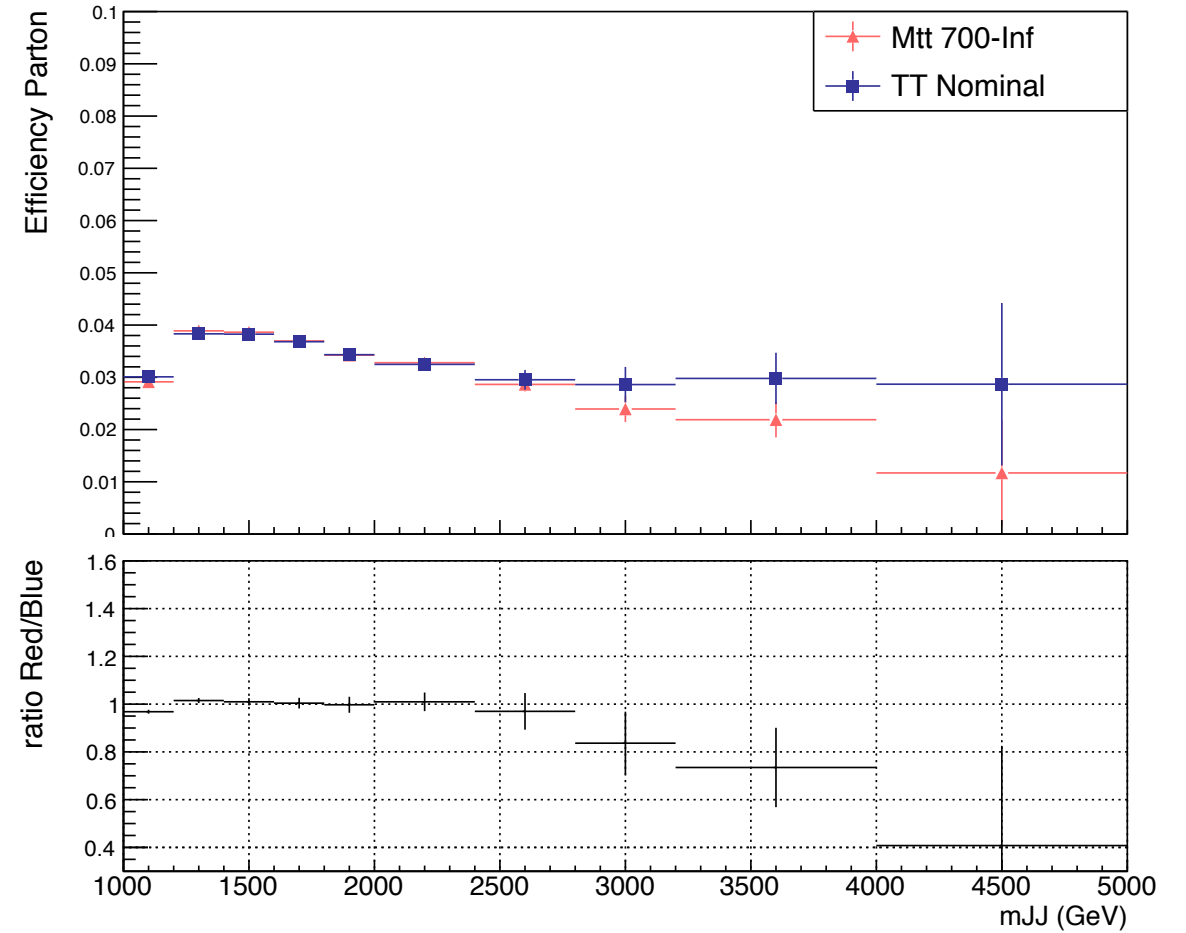


Efficiency from Nominal MC and High Mtt

Parton Efficiency 2017

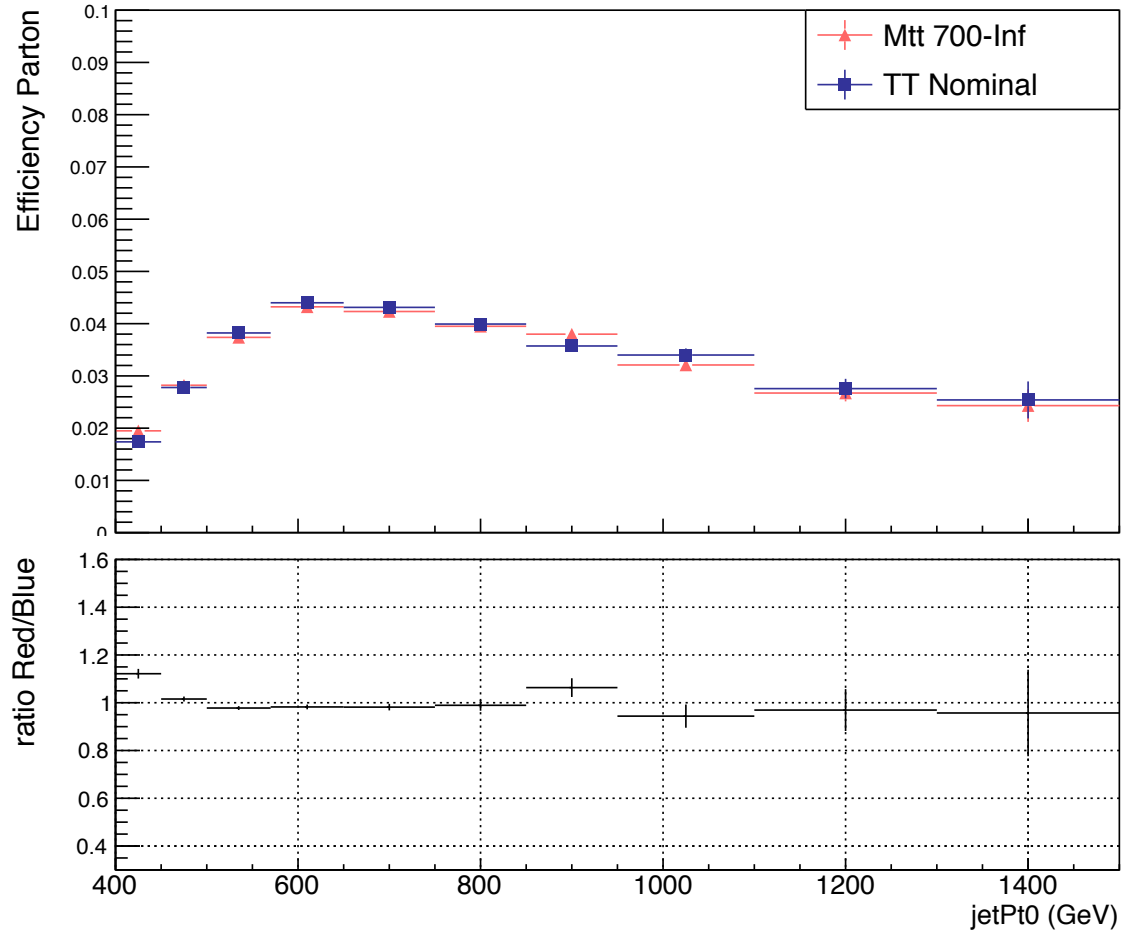


Parton Efficiency 2017

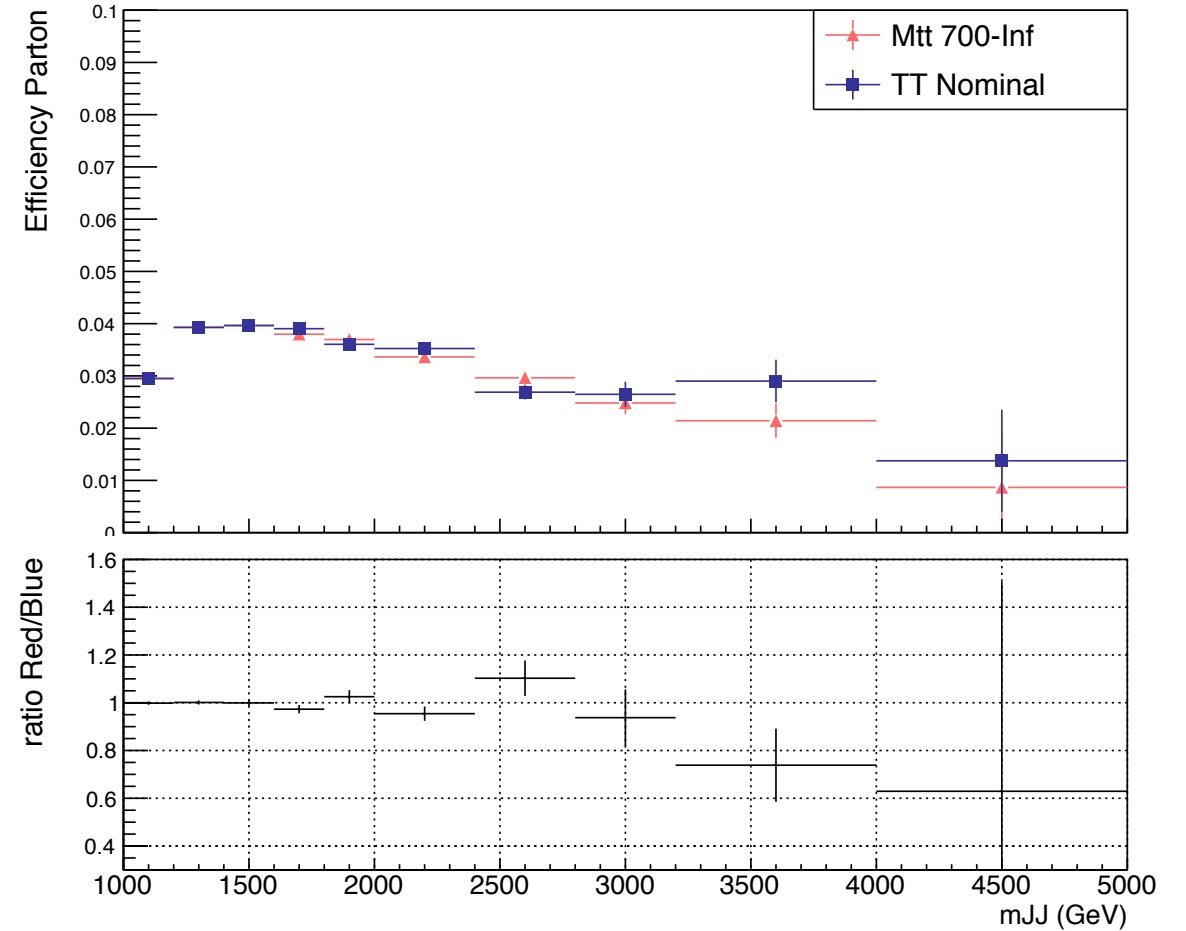


Efficiency from Nominal MC and high Mtt

Parton Efficiency 2018

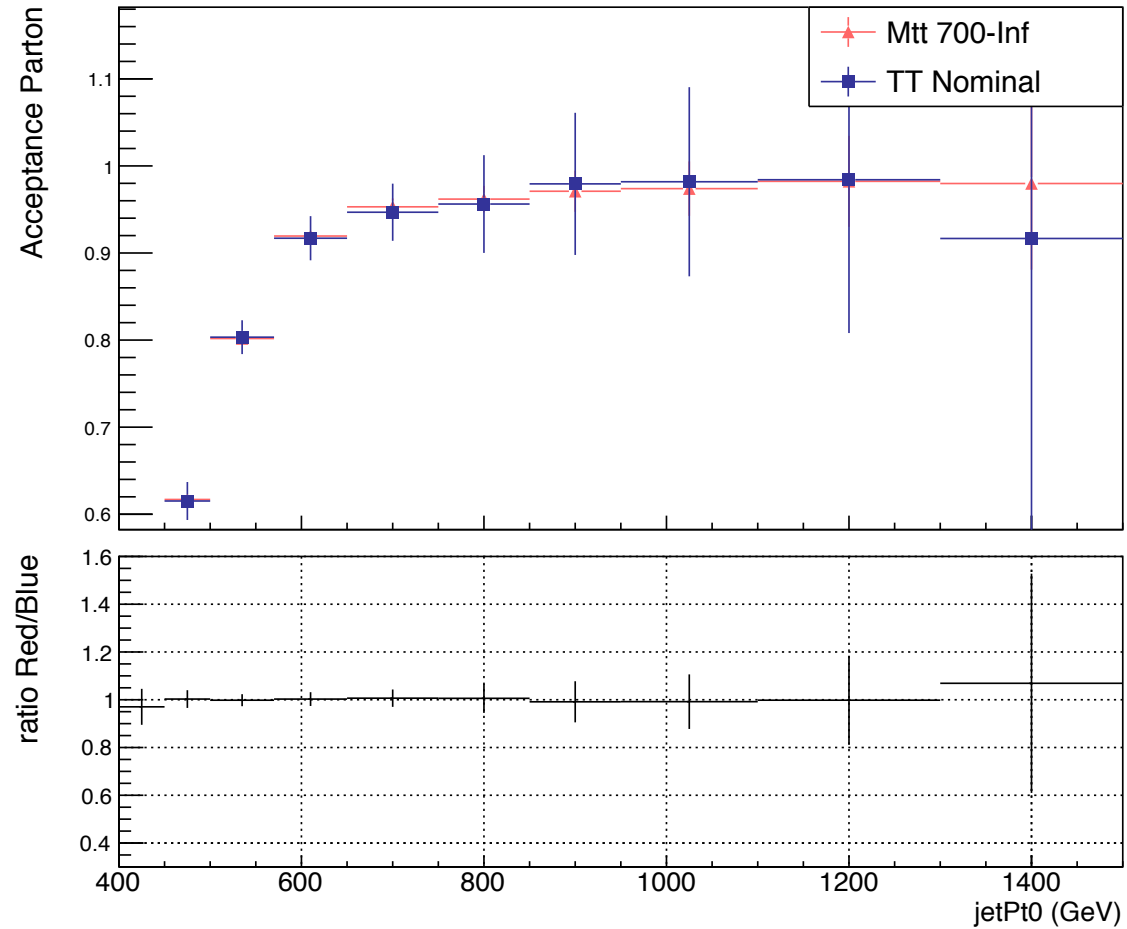


Parton Efficiency 2018

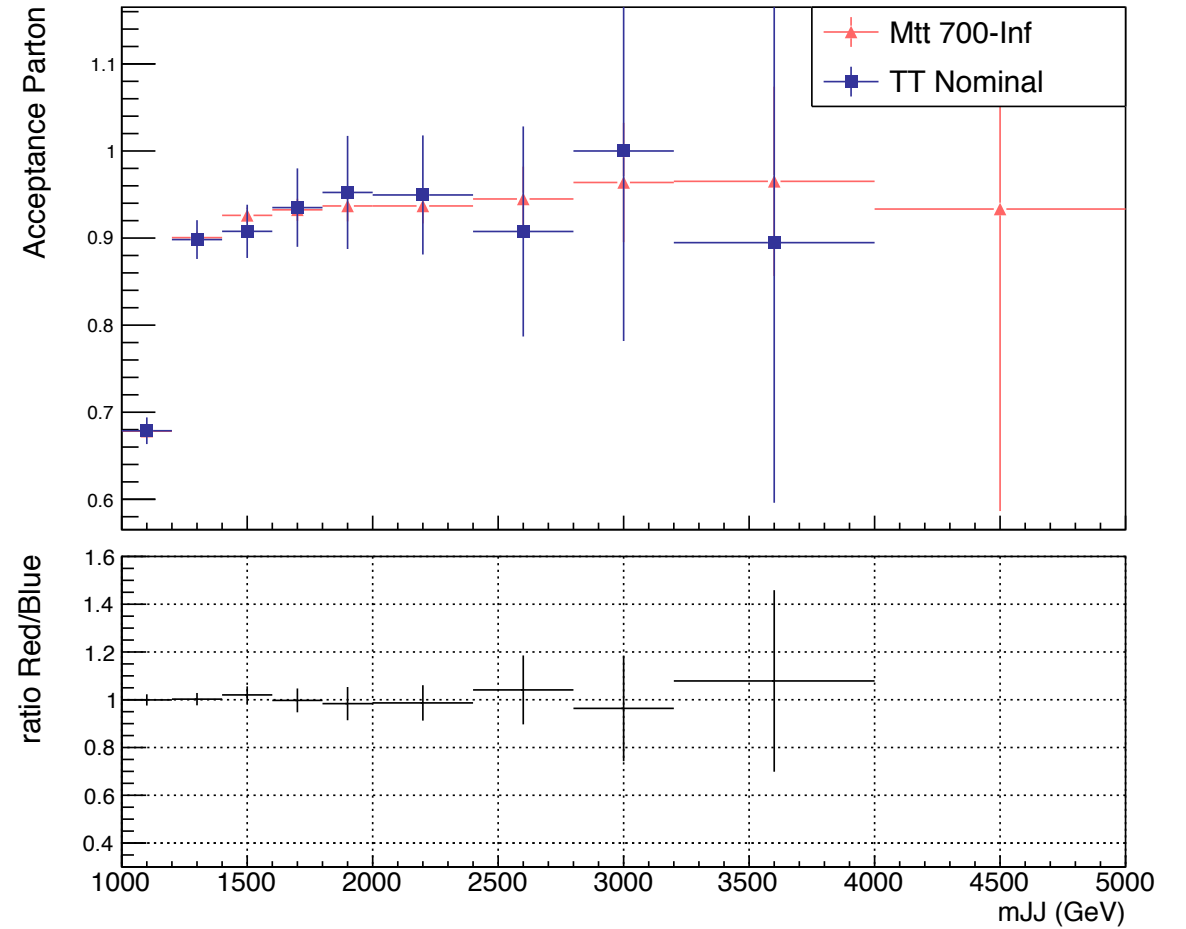


Acceptance from Nominal MC and high Mtt

Parton Acceptance 2016

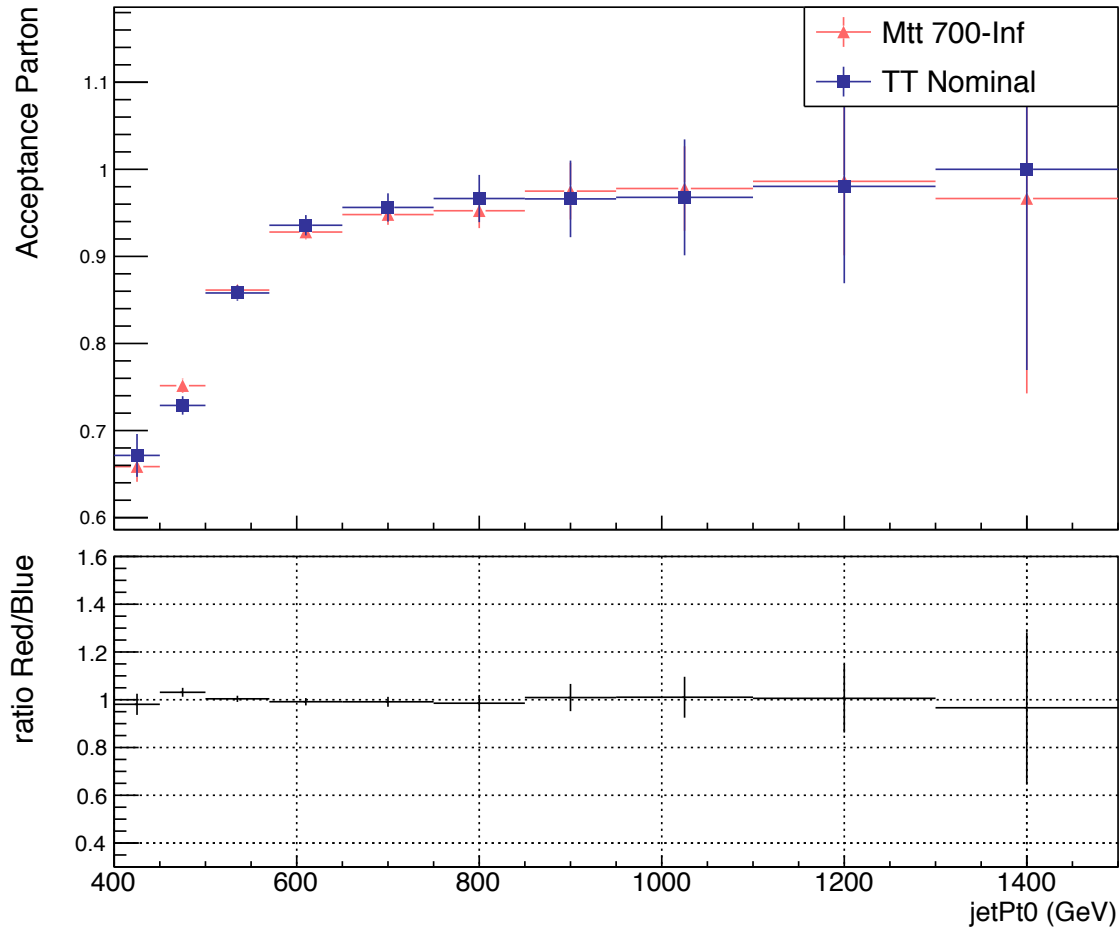


Parton Acceptance 2016

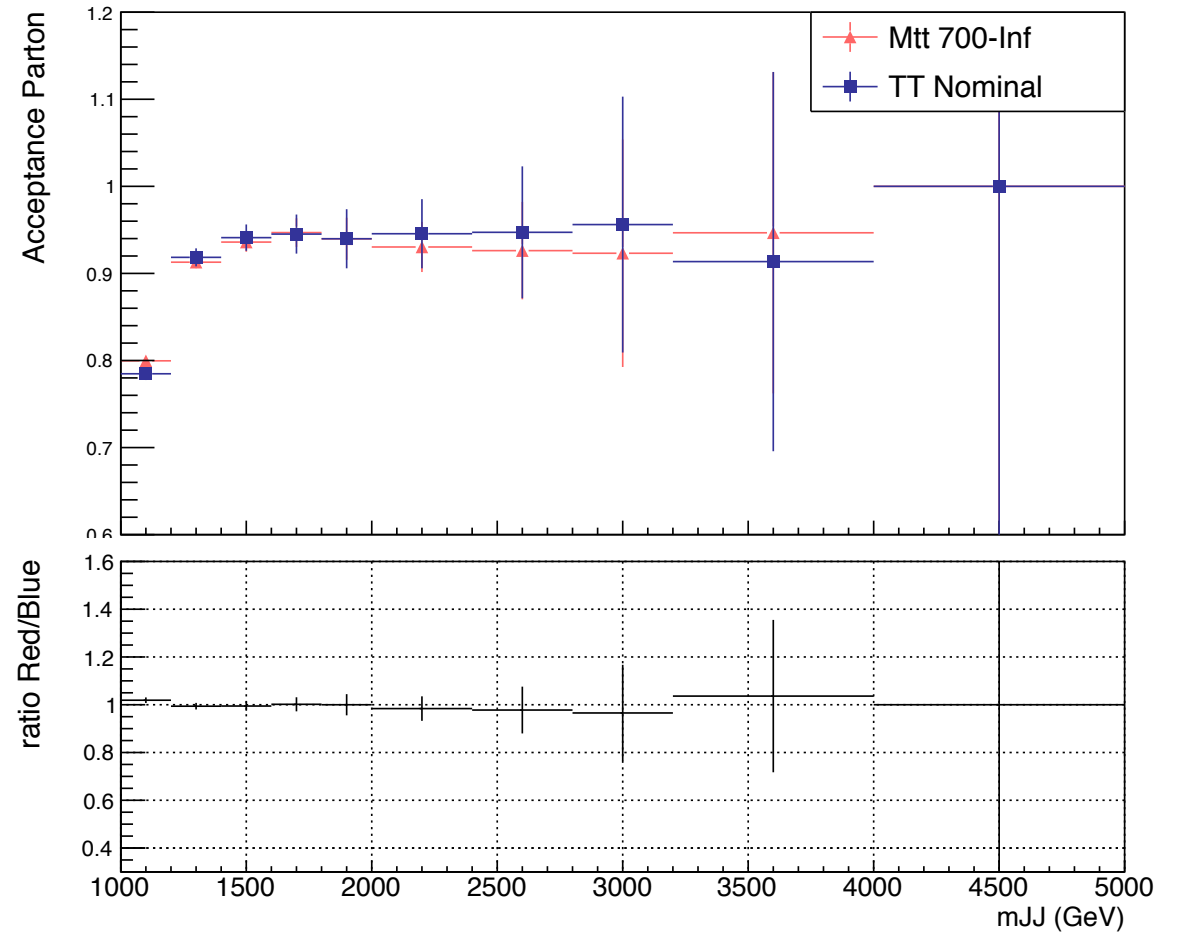


Acceptance from Nominal MC and high Mtt

Parton Acceptance 2017

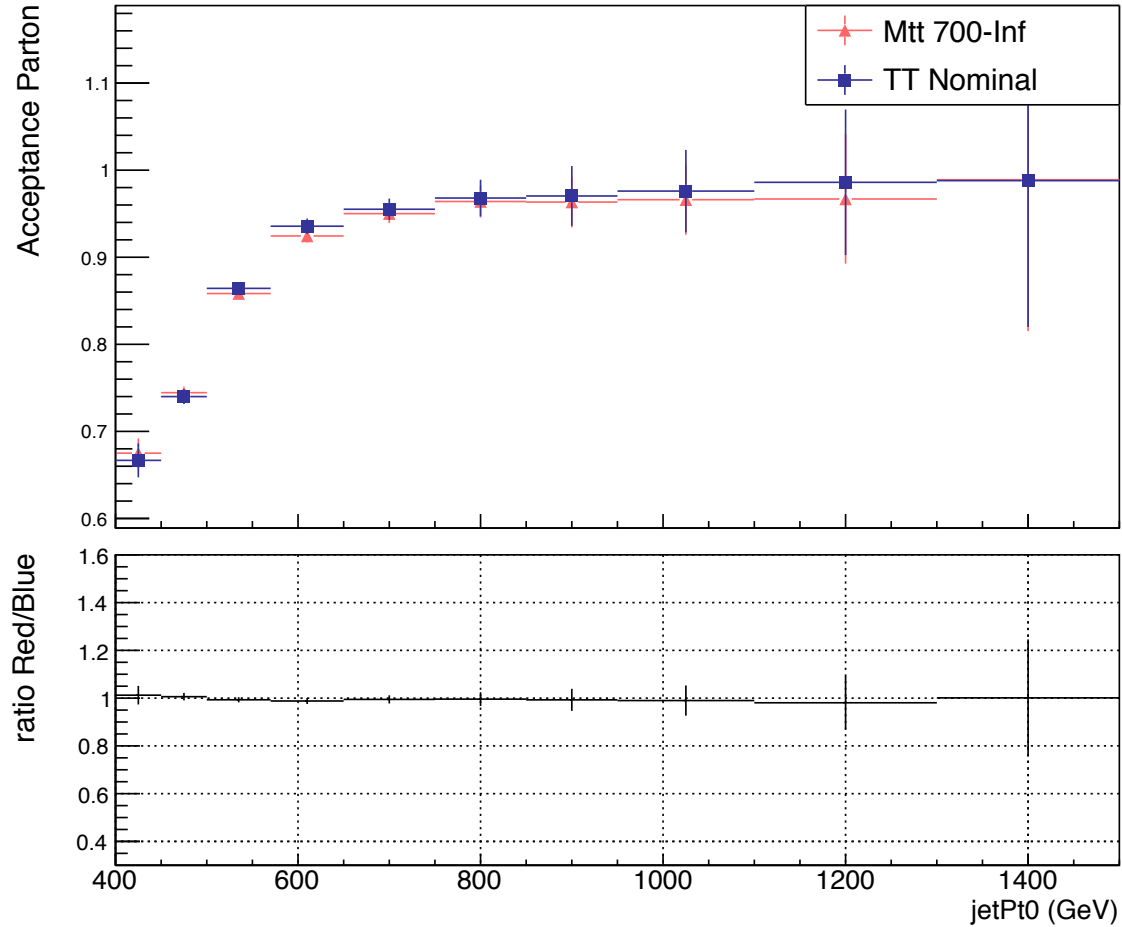


Parton Acceptance 2017



Acceptance from Nominal MC and high Mtt

Parton Acceptance 2018



Parton Acceptance 2018

