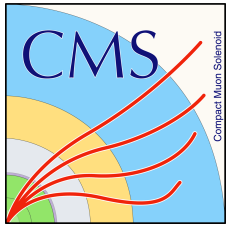
Weekly Report
NTUA
14/2/2020

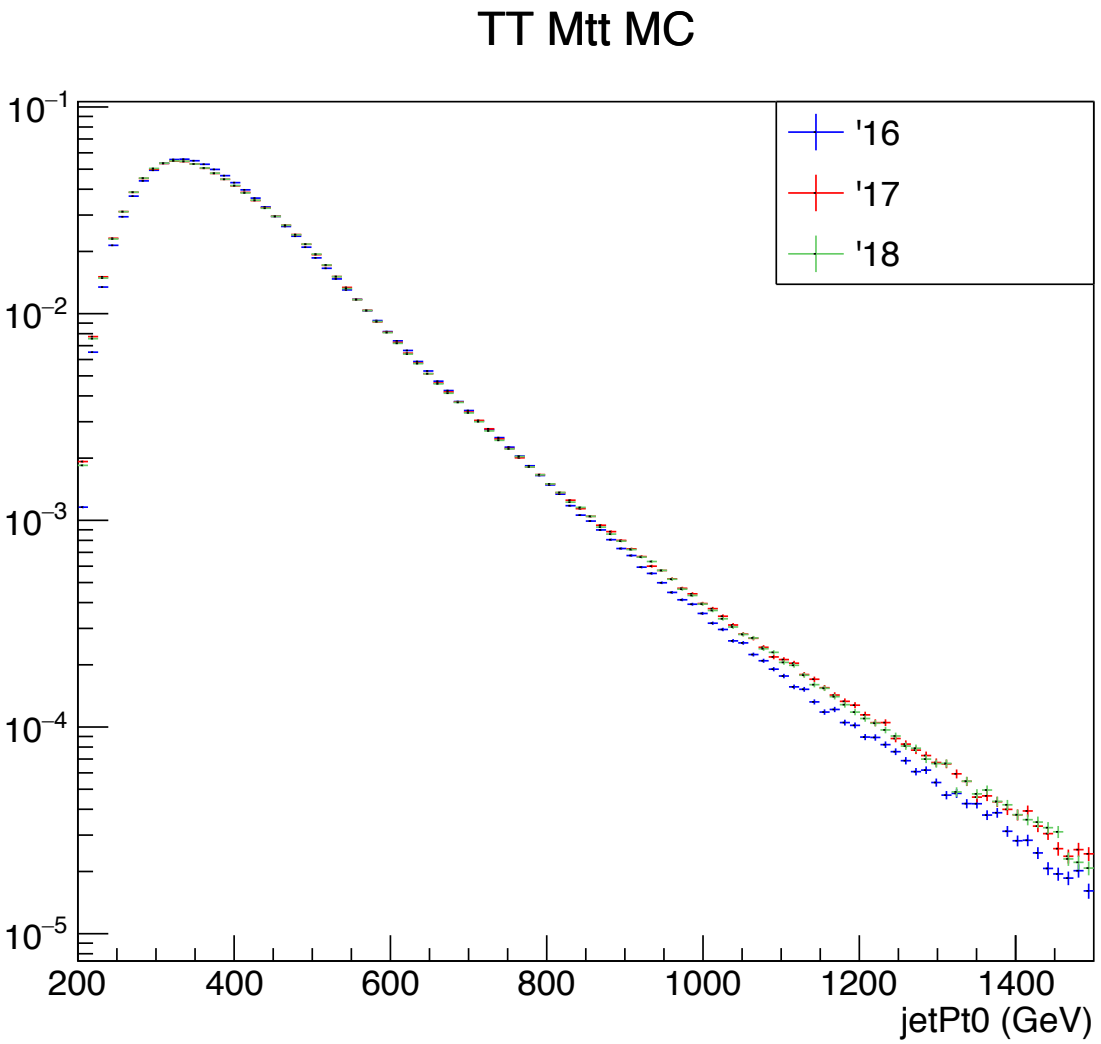
George Bakas

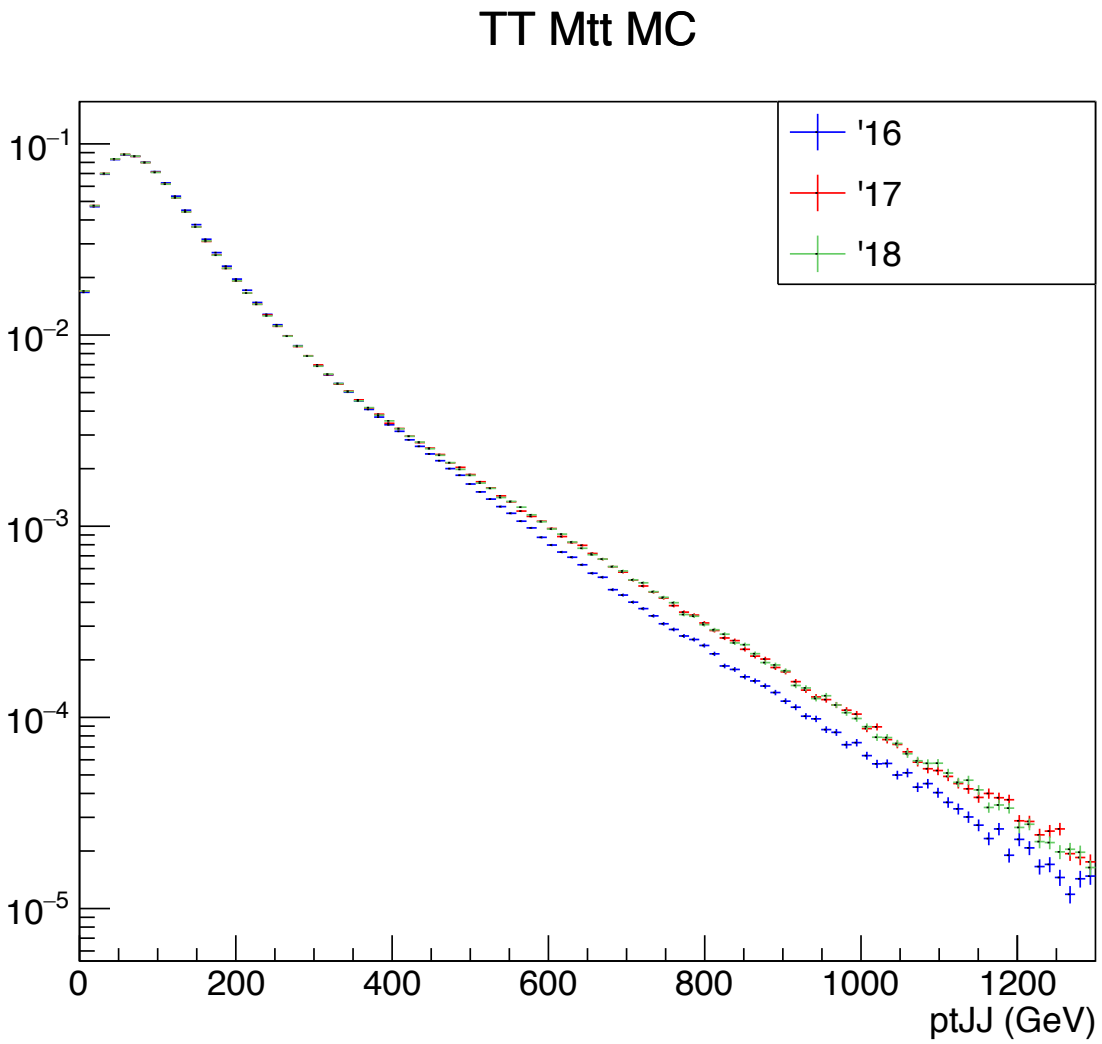


Status Report

- Analysis:
  - Consistency checks with Giannis:
  - Efficiency and Acceptance:
    - Parton and Particle
    - Nominal MC samples
  - MC ‘16 , ‘17, ’18 Comparison:
    - QCD
    - Ttbar (High Mtt samples)
    - Leading and Subleading jetPt, jetY, mJJ, ptJJ, yJJ
    - Comparison per year (Mtt vs Nominal samples)
    - Comparison for 2 years (Mtt or Nominal samples)
      - Each slice
      - All slices
    - Comparison for all years (16, 17, 18)

MC Closure tests ’16, ‘17 and ’18 (shape)





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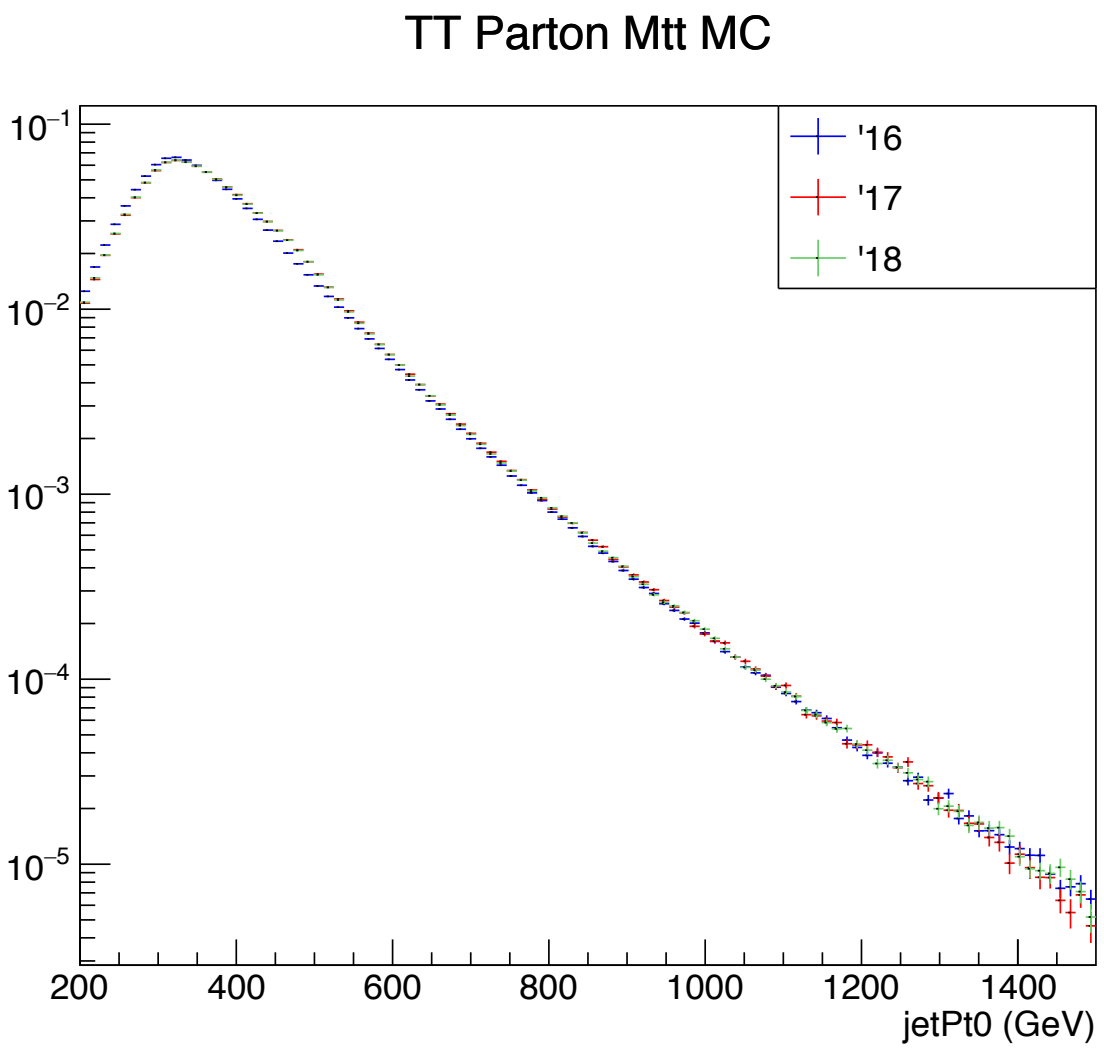

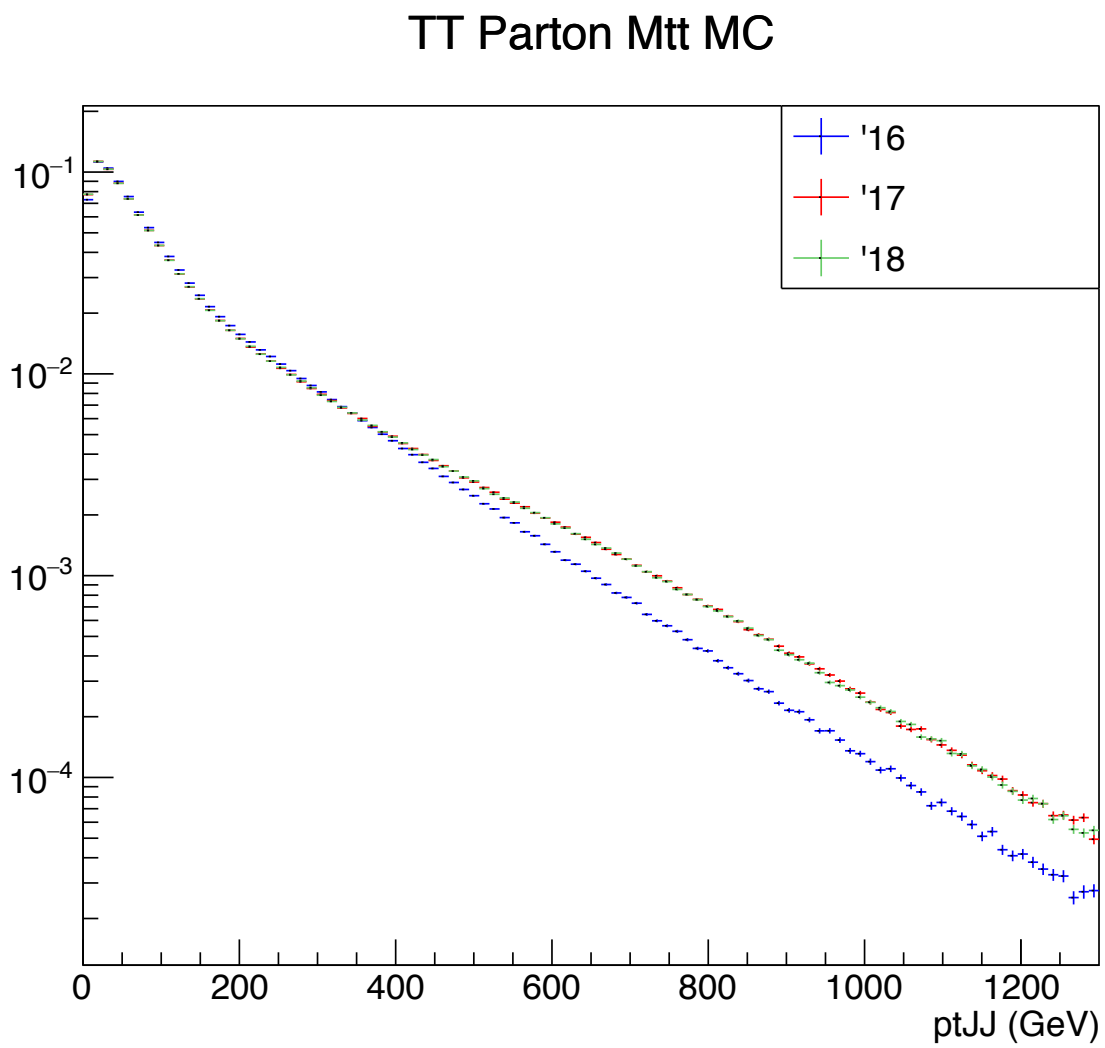

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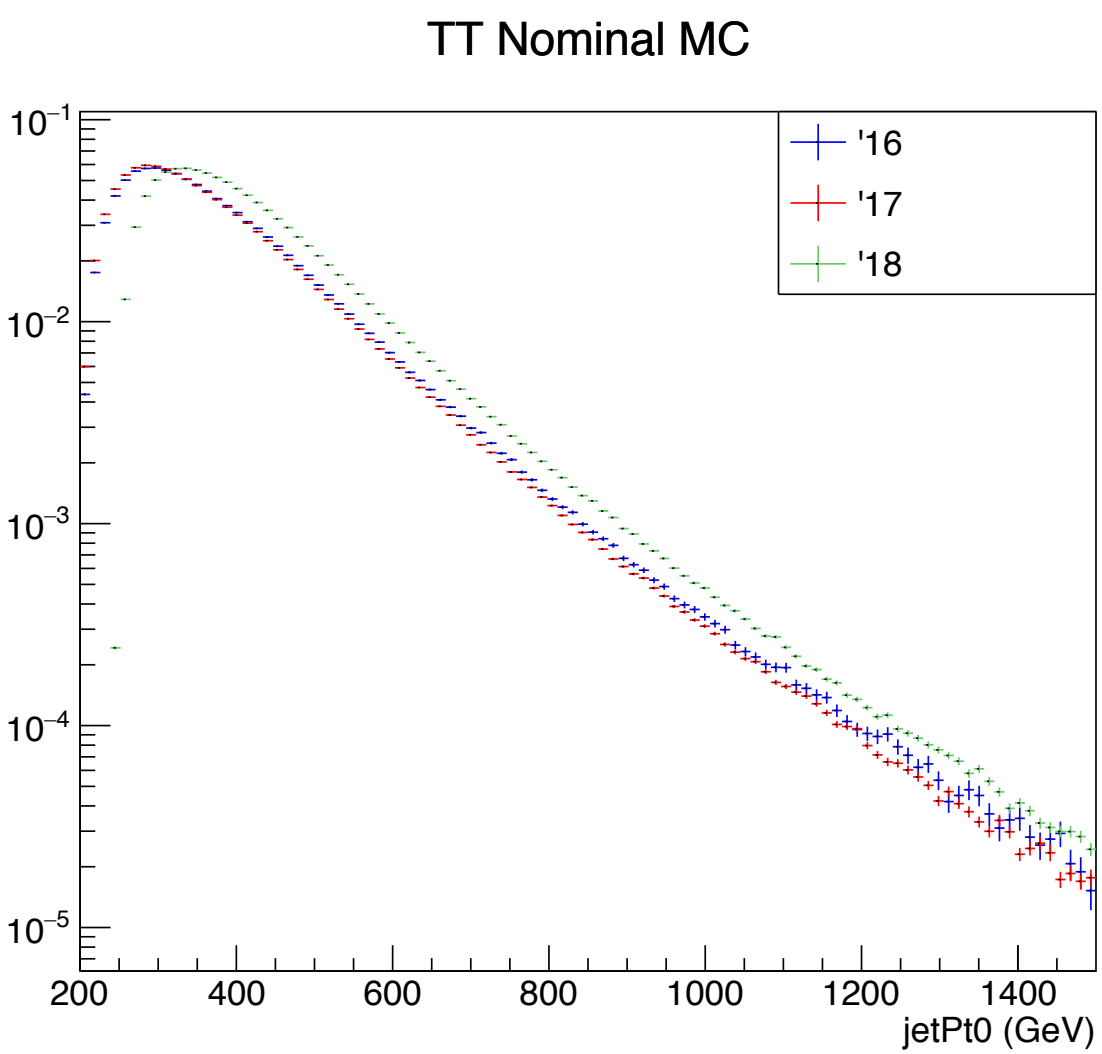

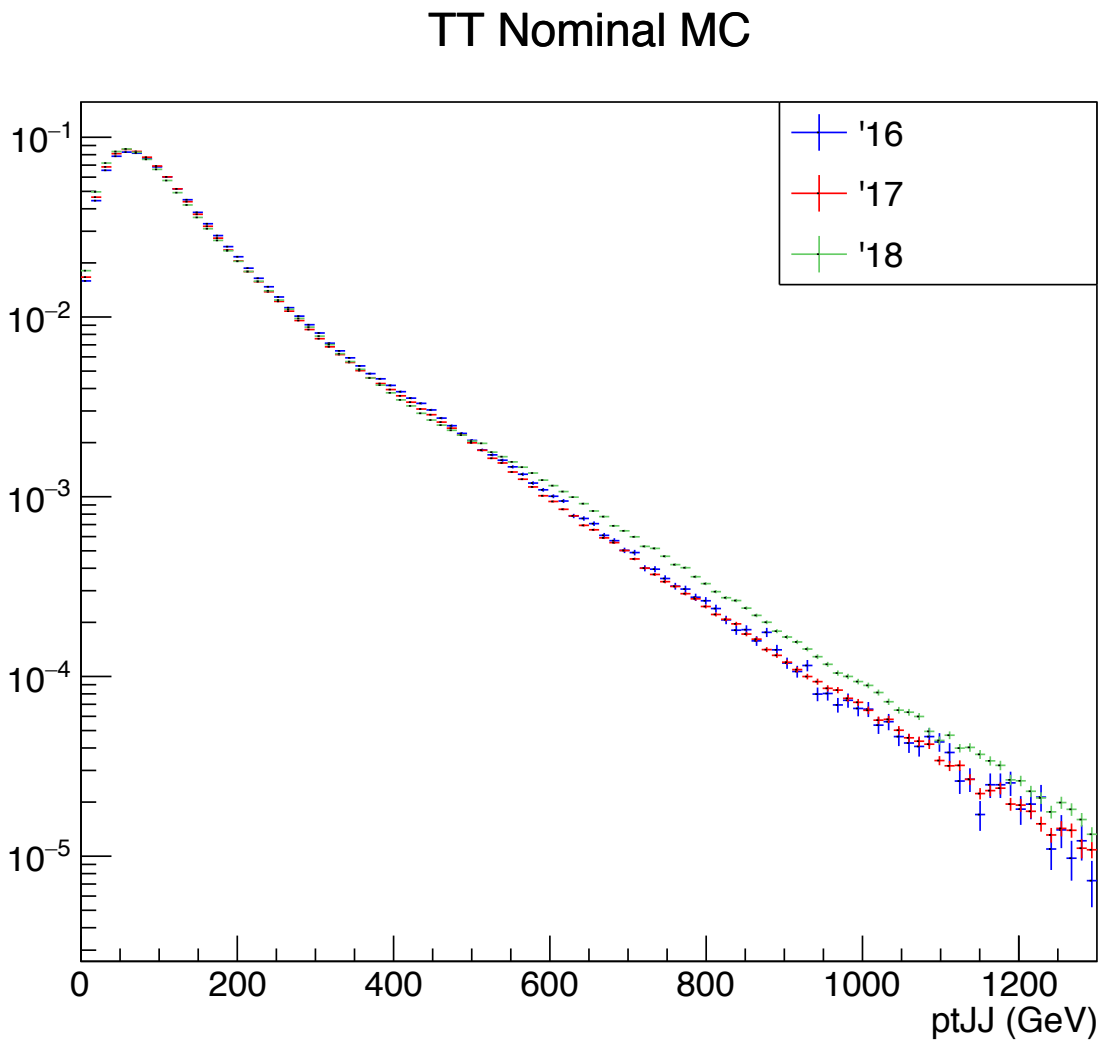

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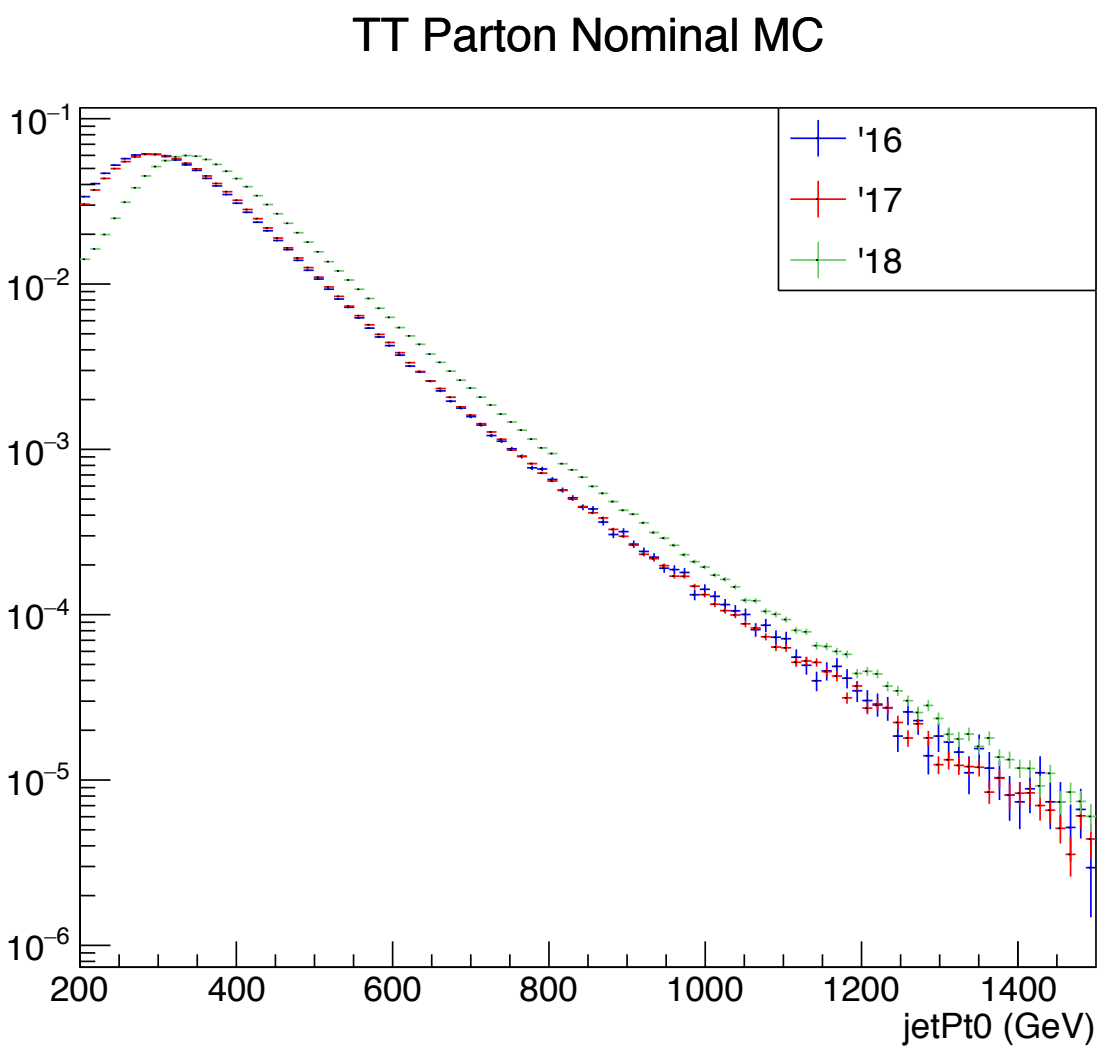
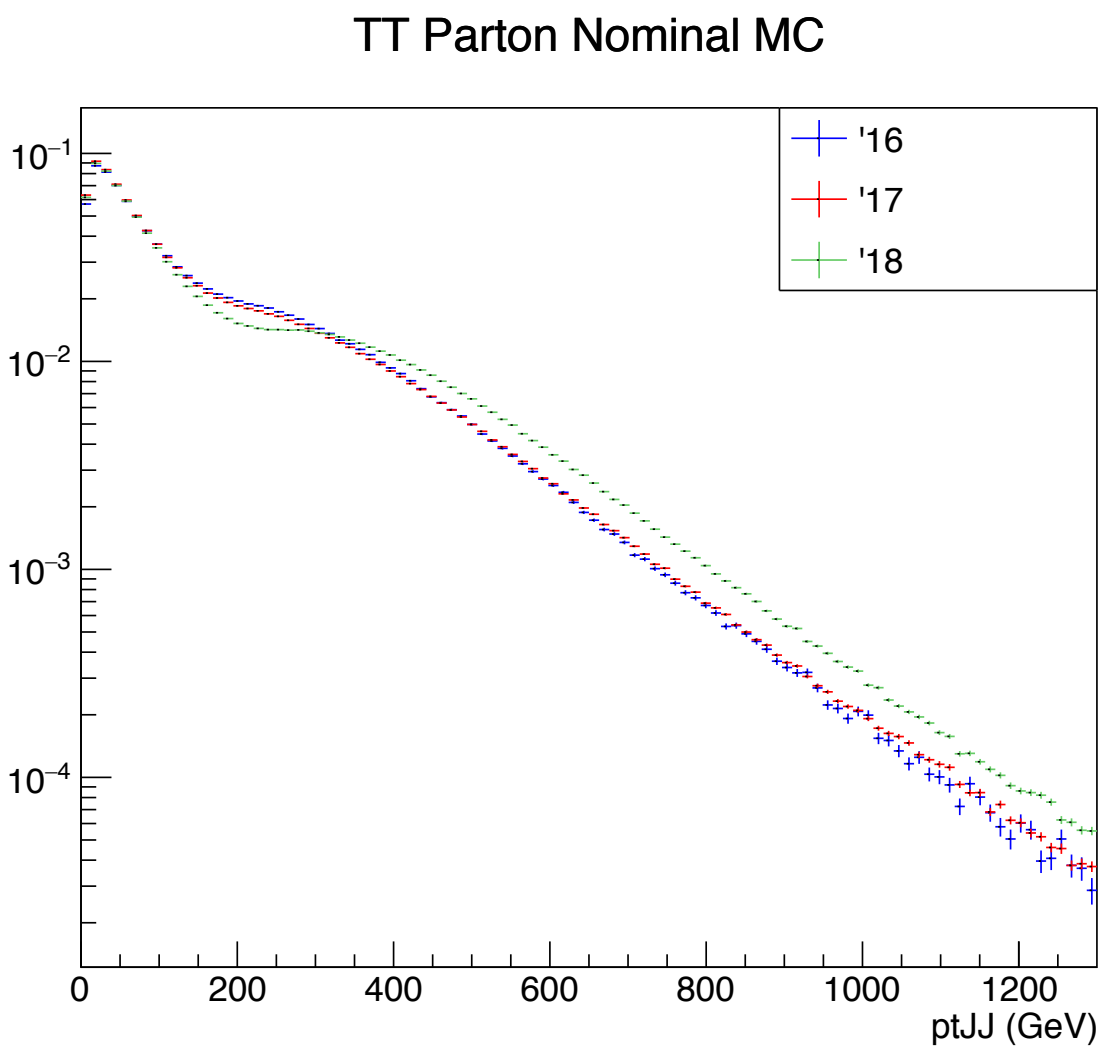
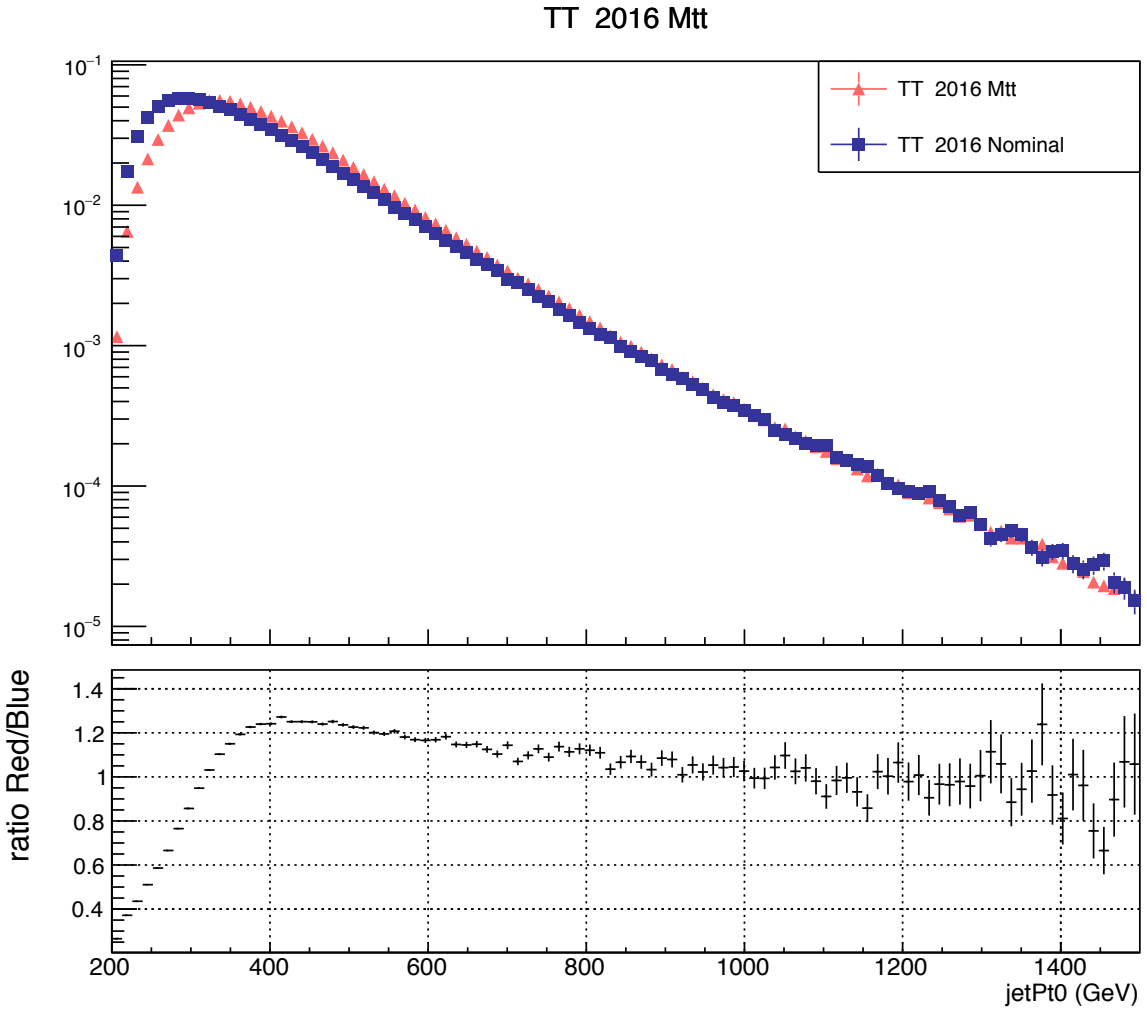
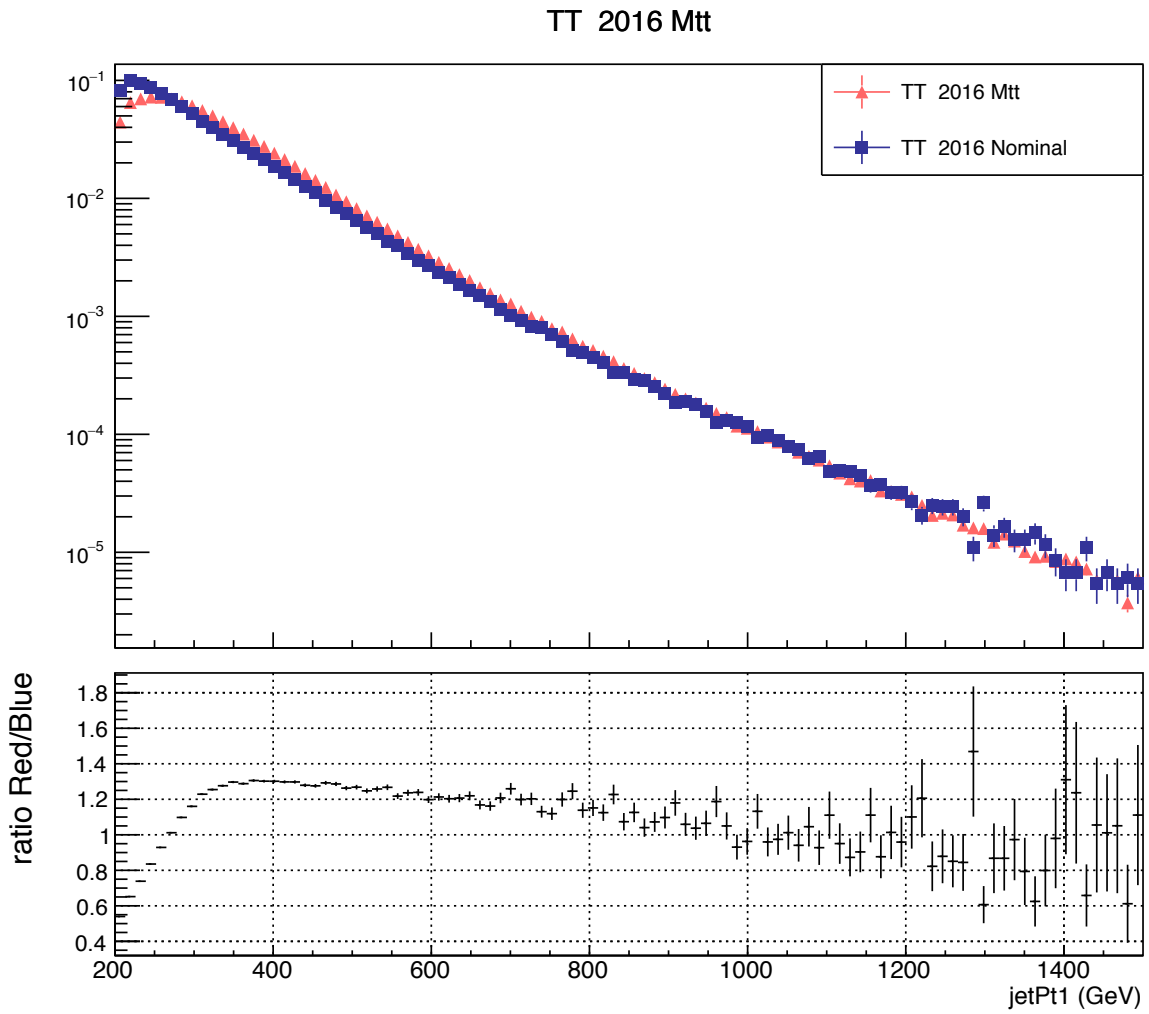




MC Closure Tests Mtt vs Nominal 2016





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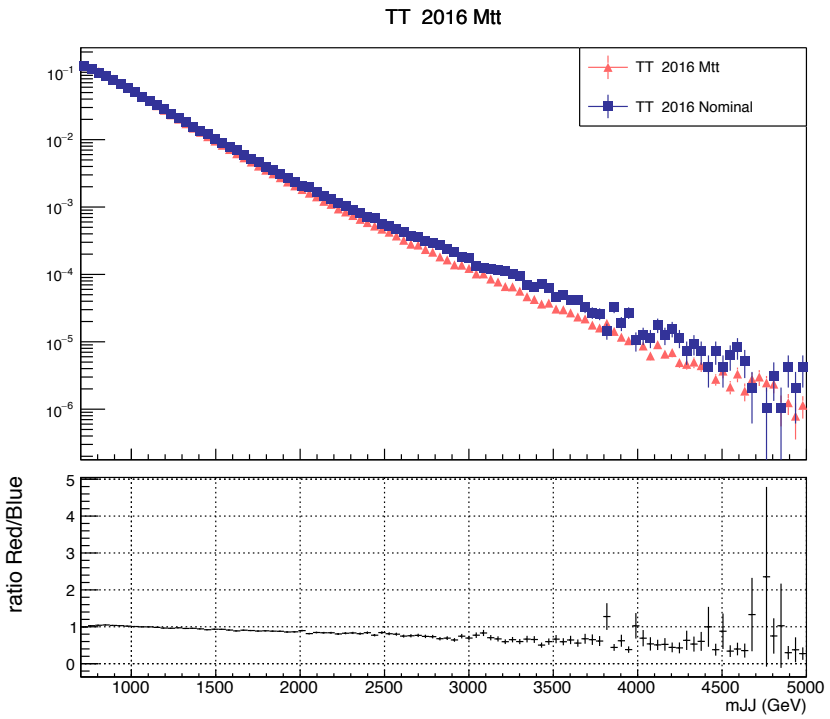
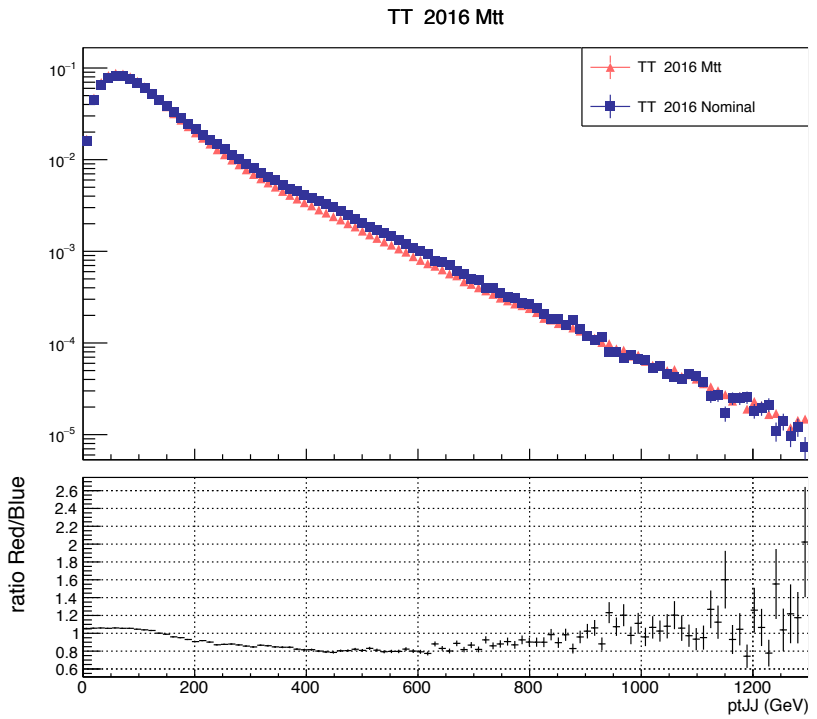
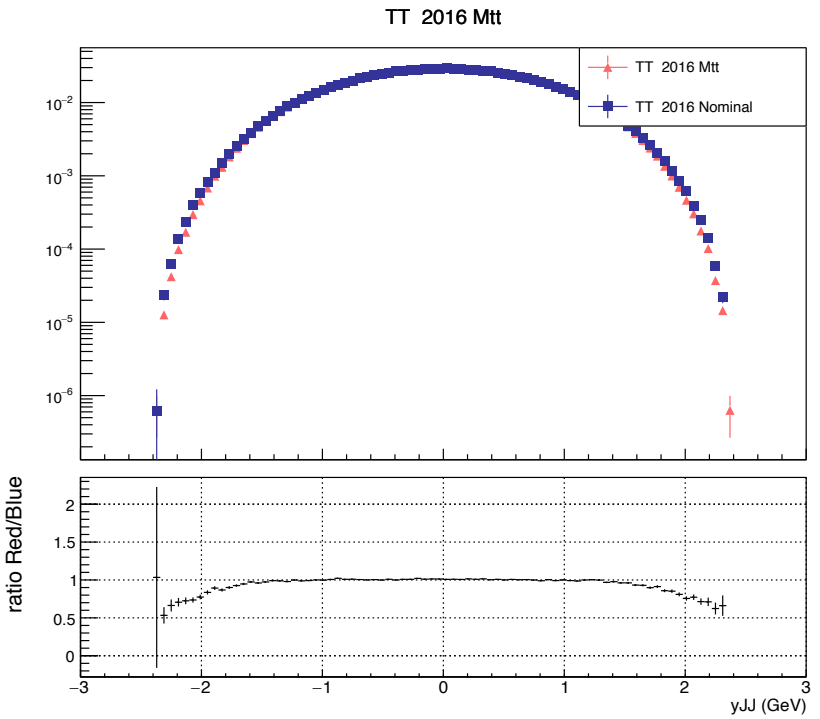
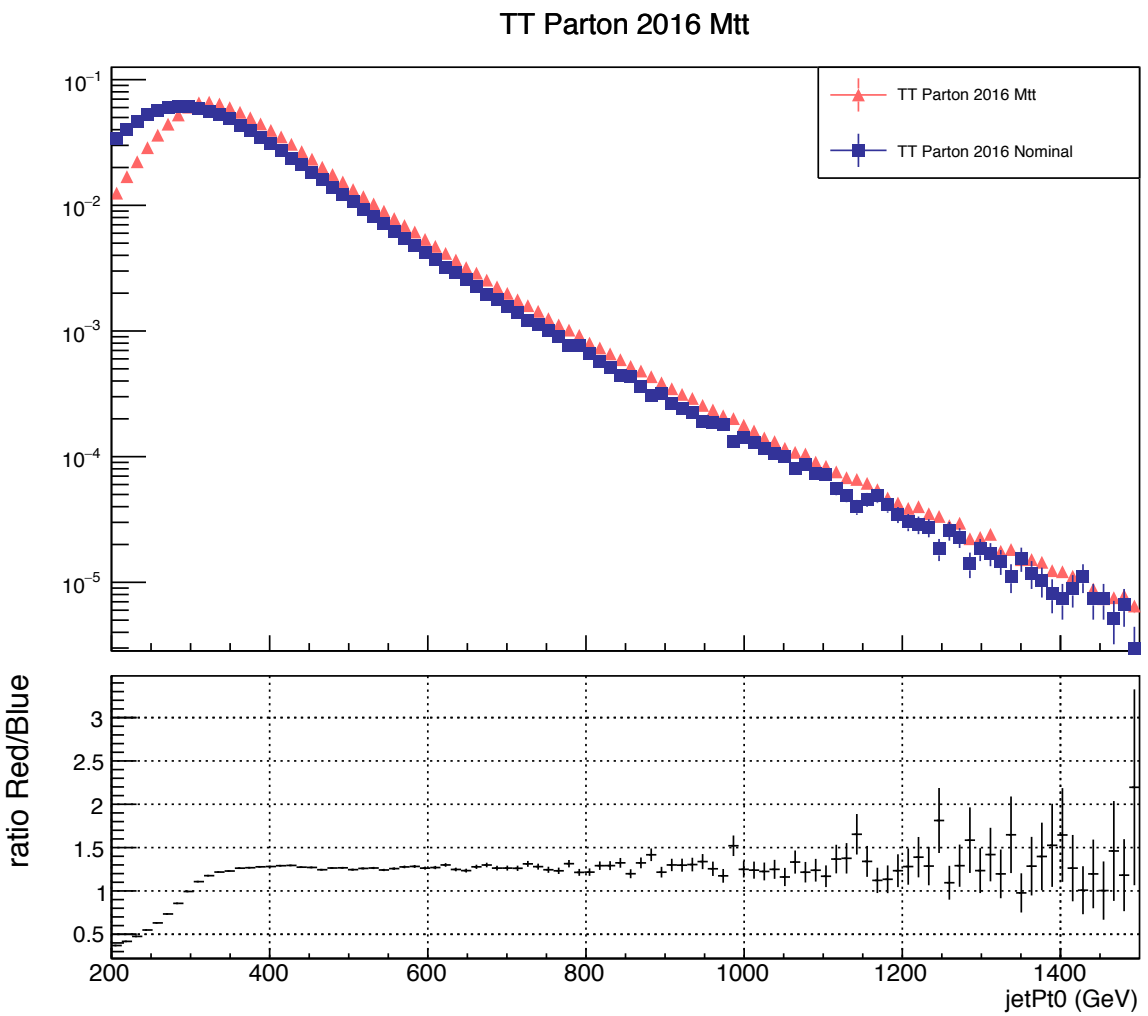
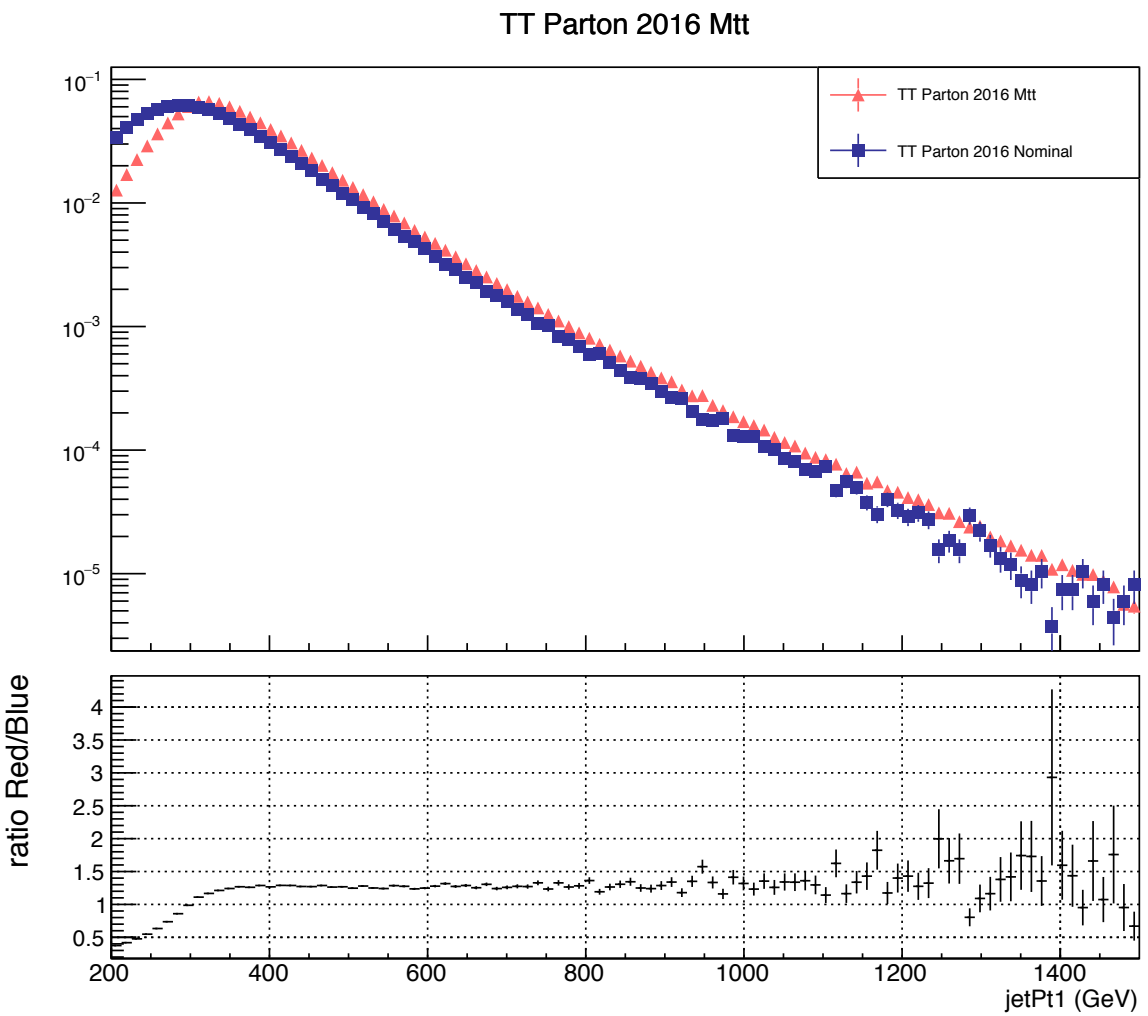






MC Closure Tests Mtt vs Nominal 2016 Parton





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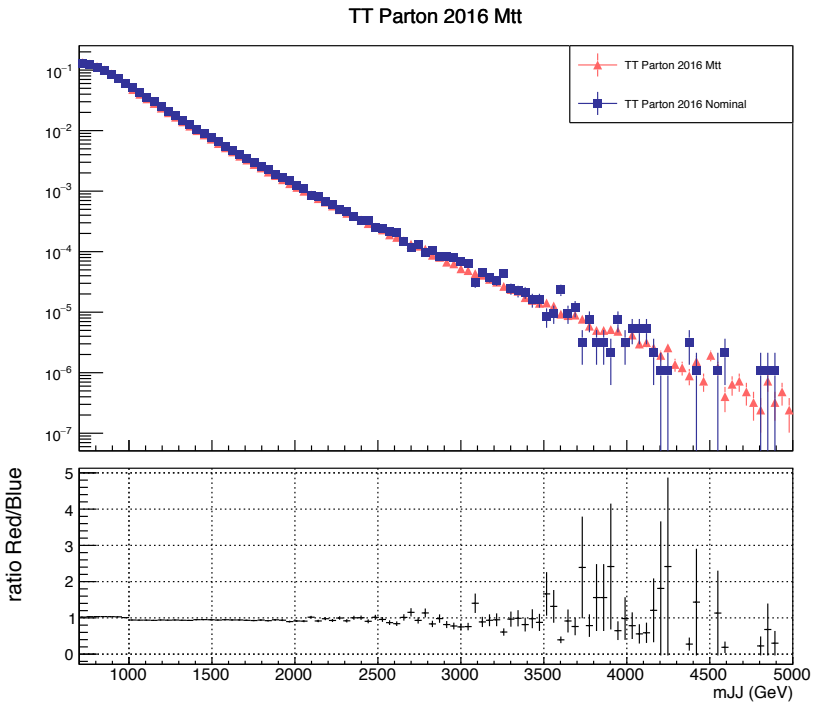

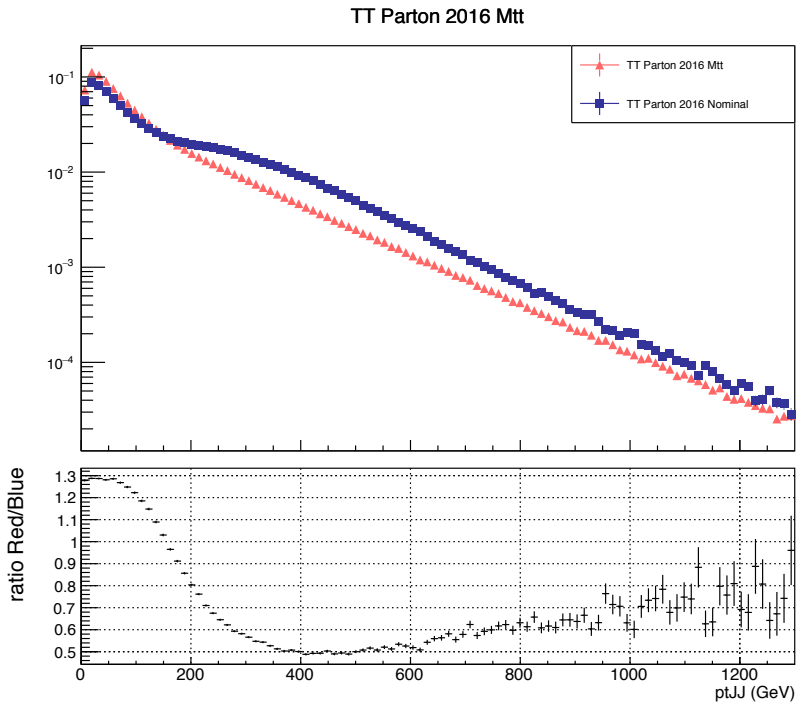

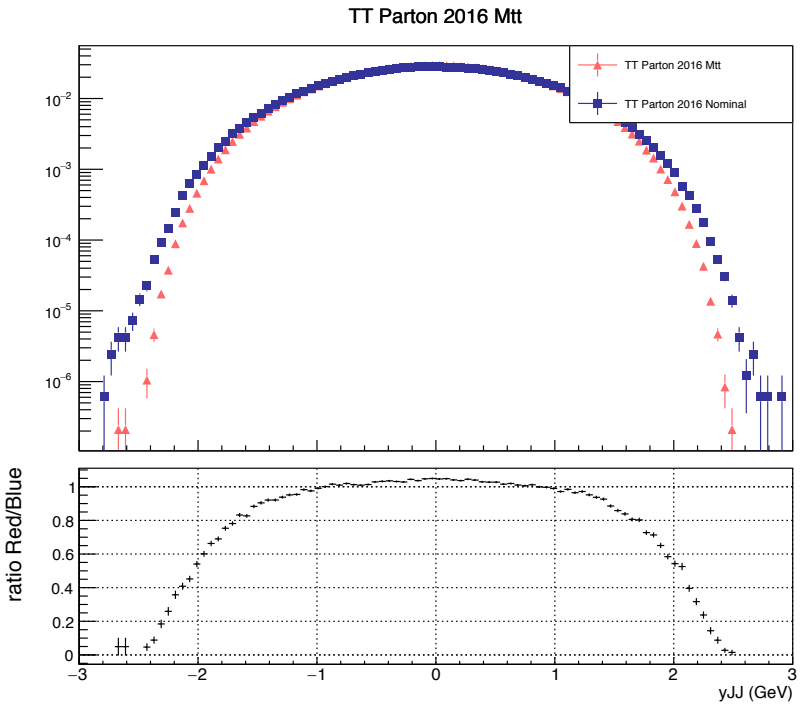

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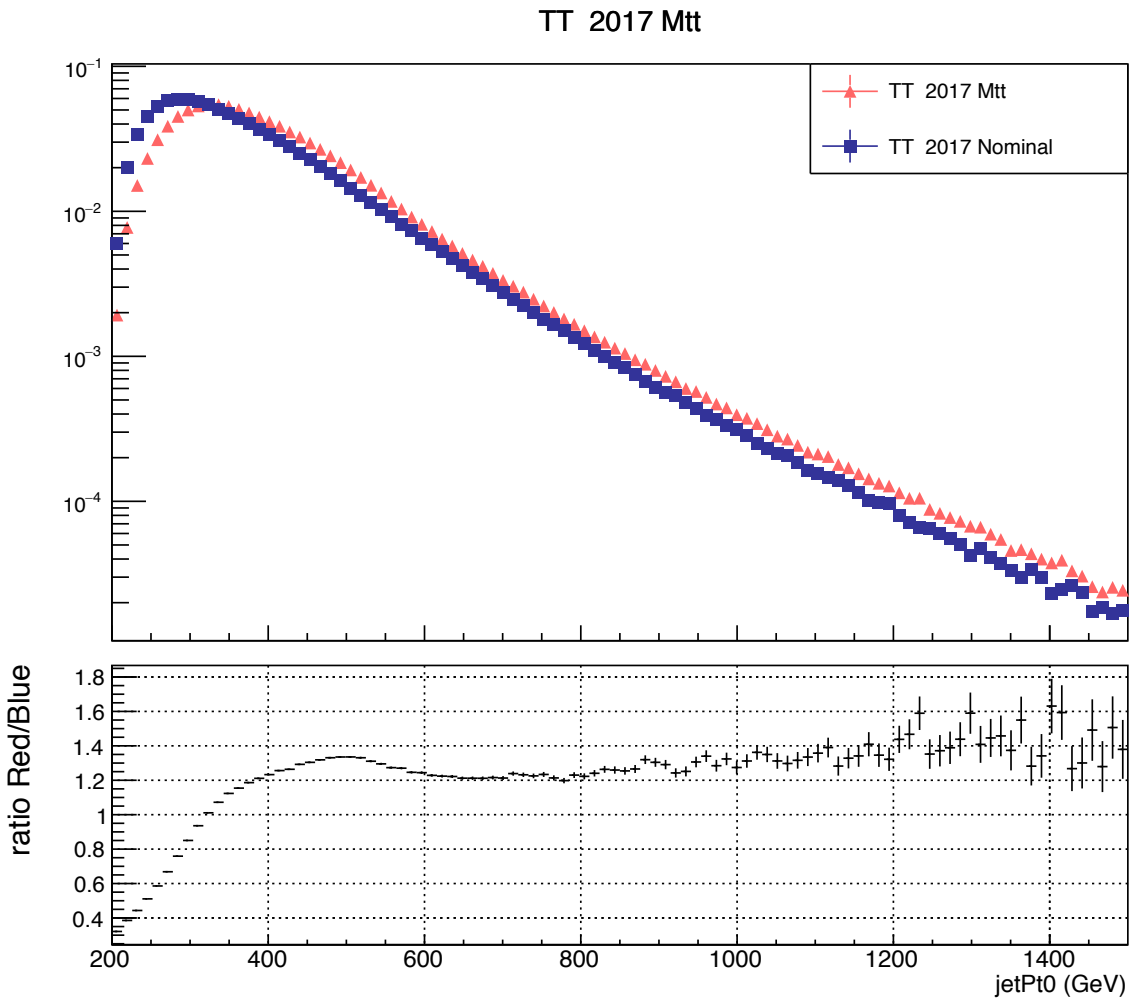

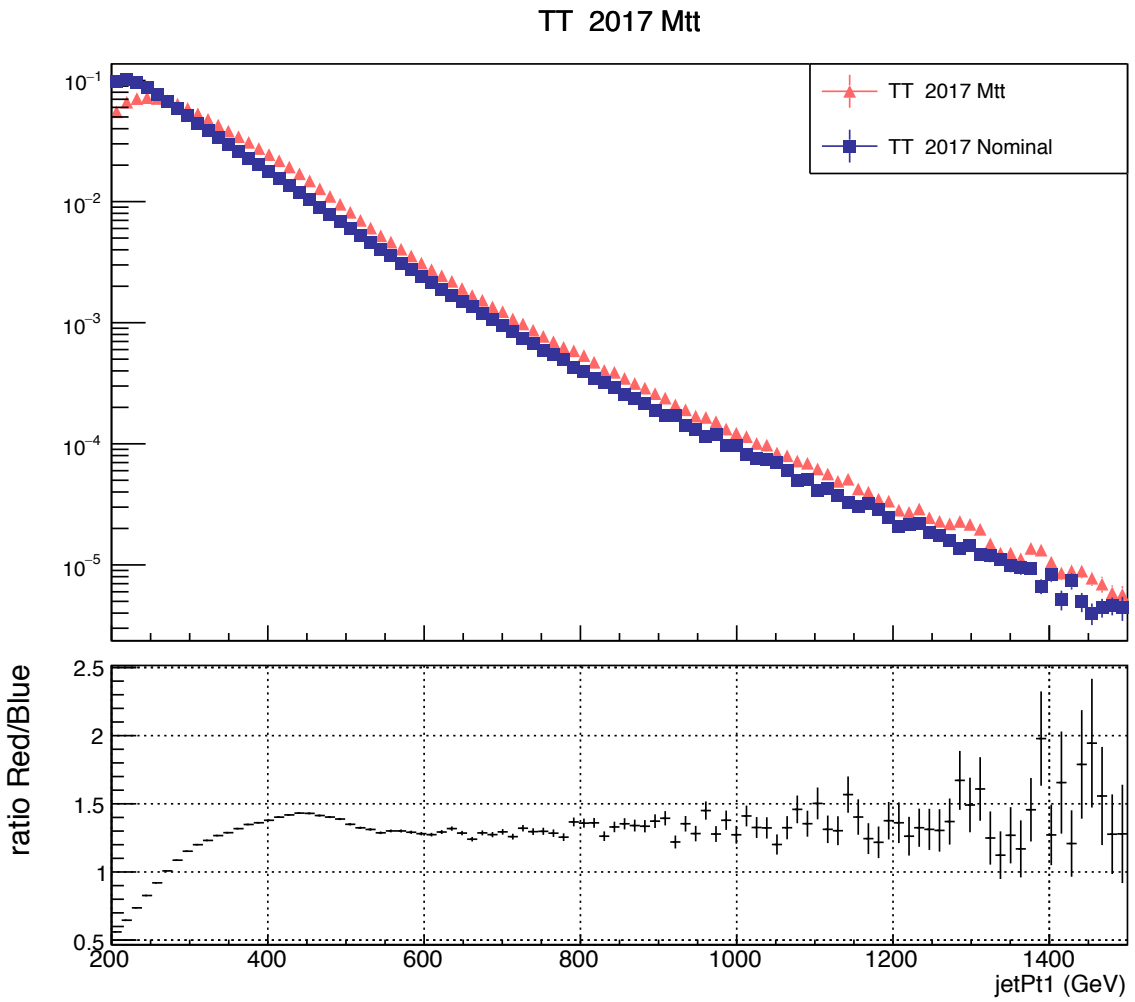

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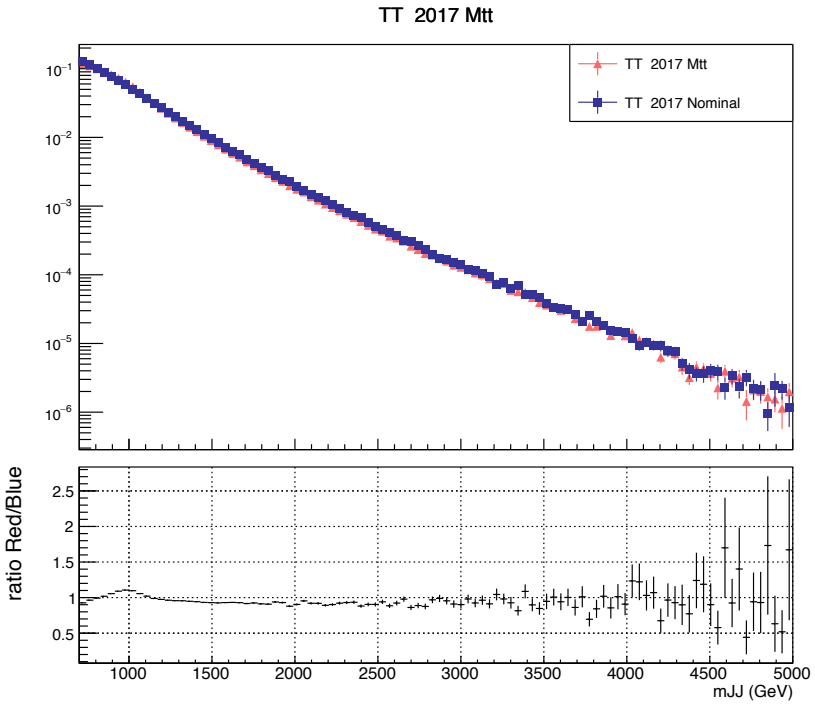

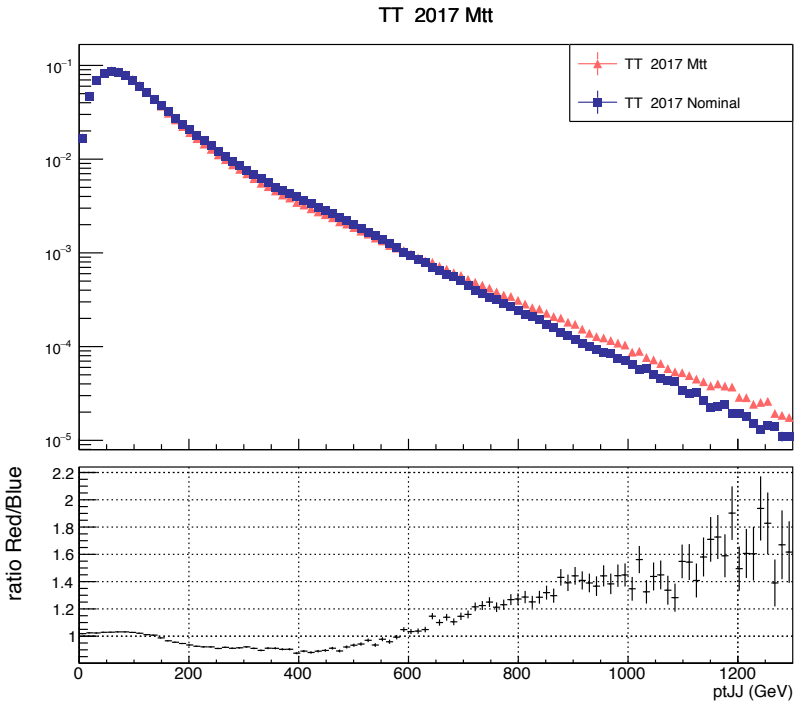

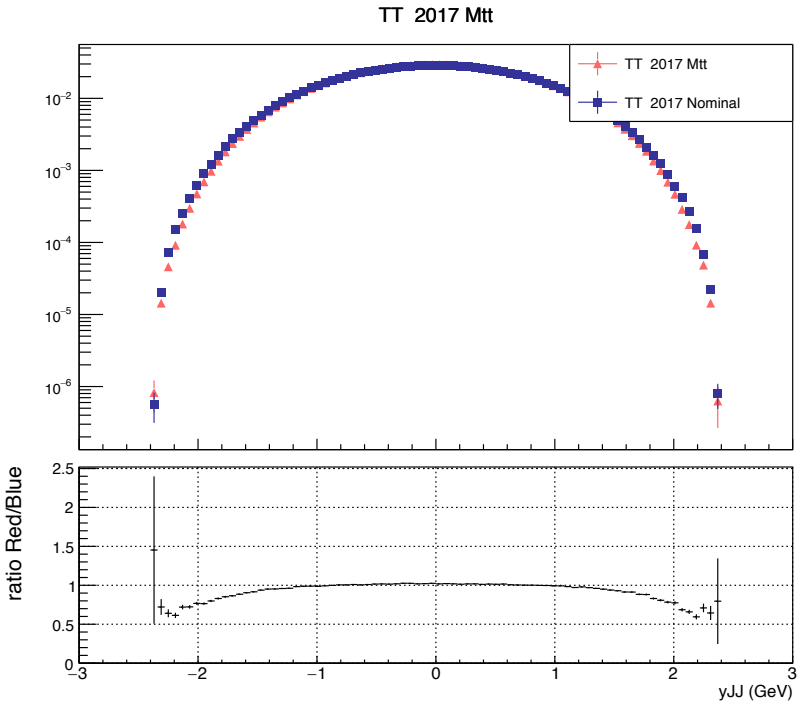

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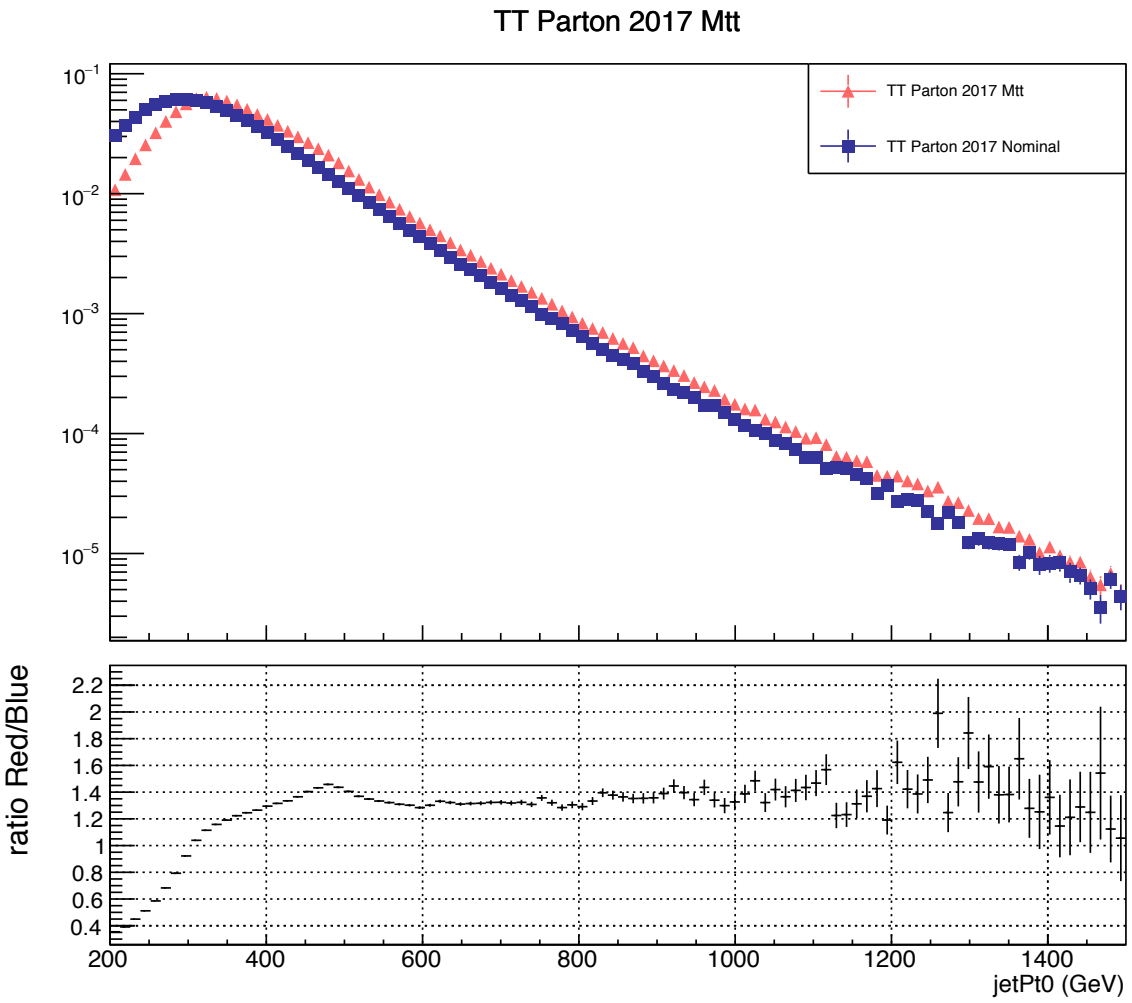

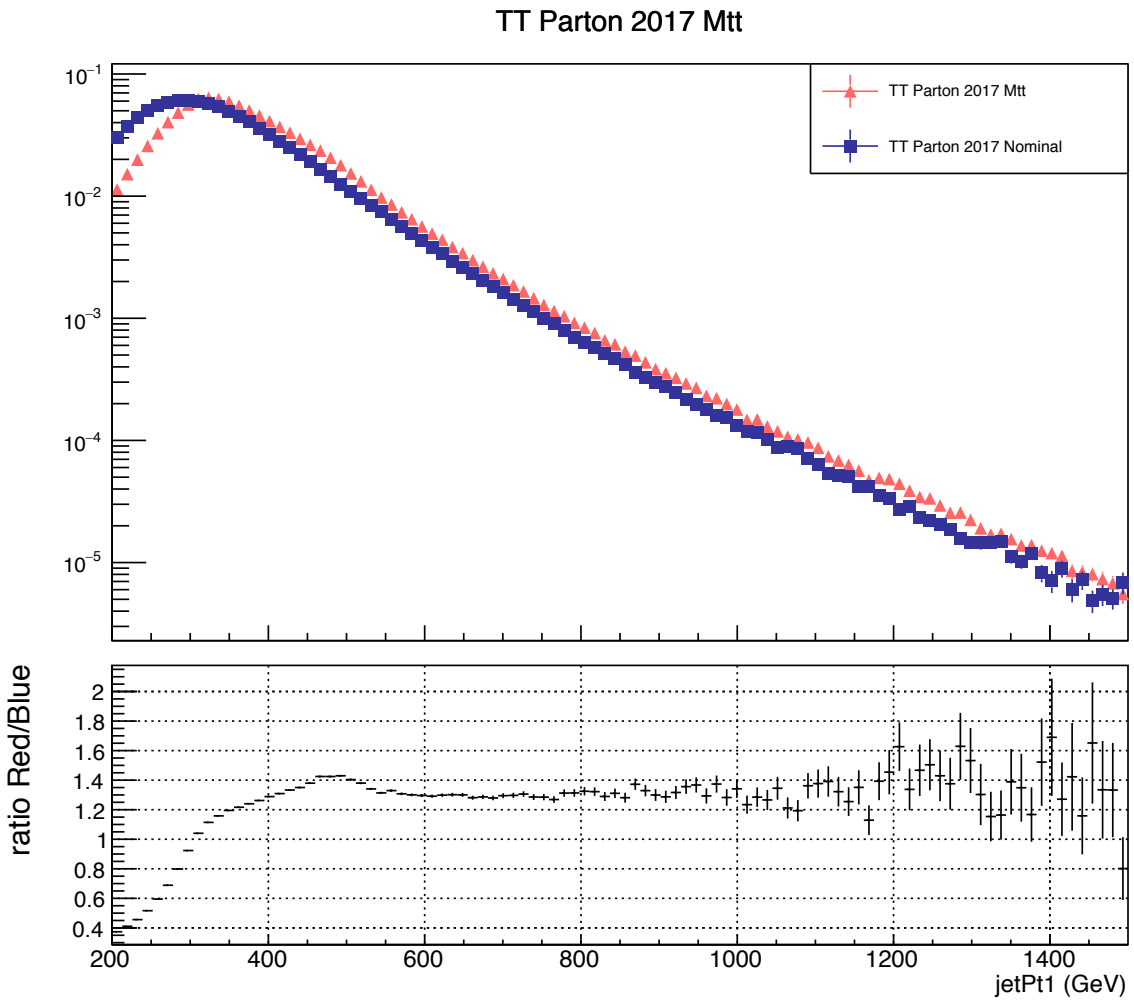

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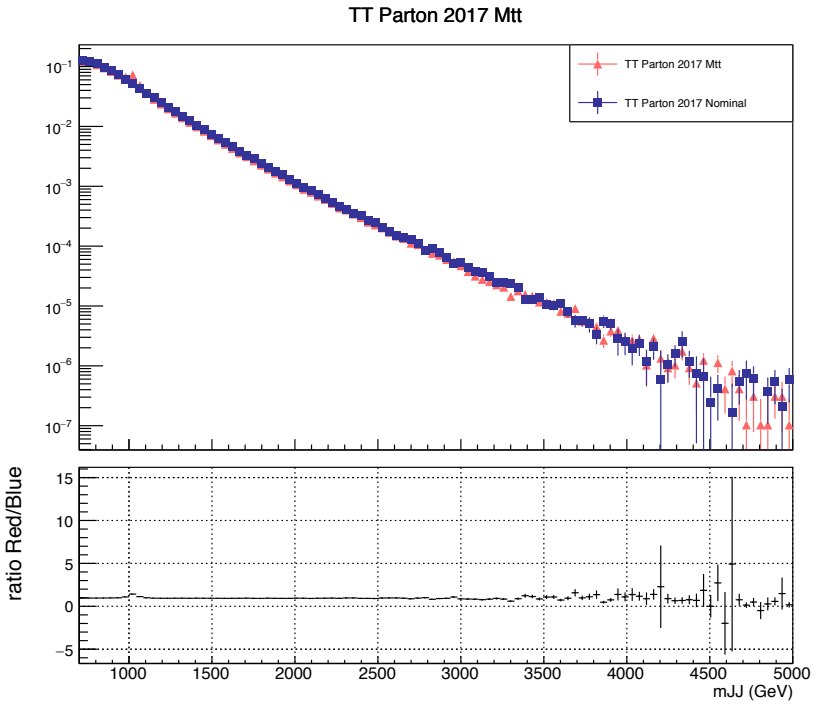

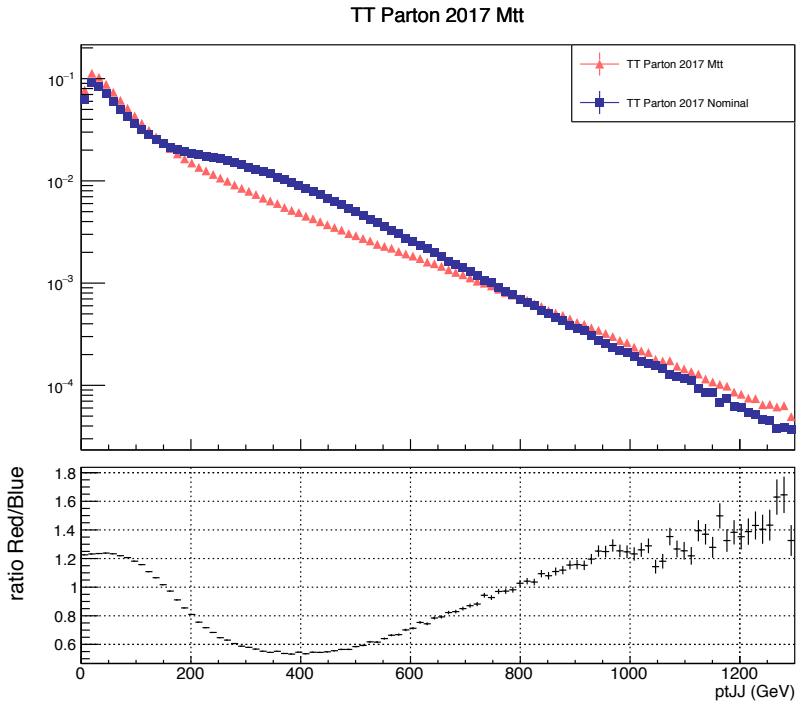

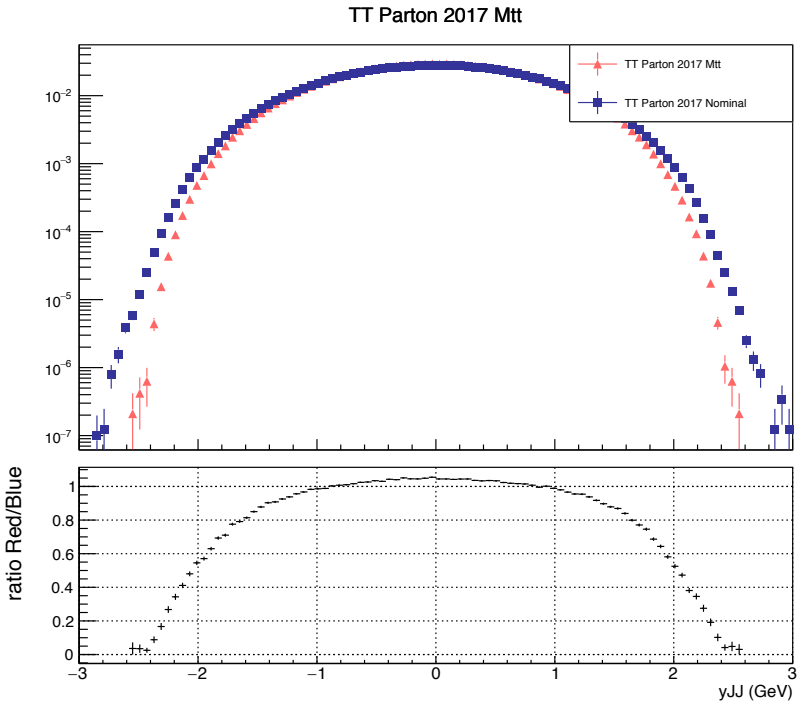

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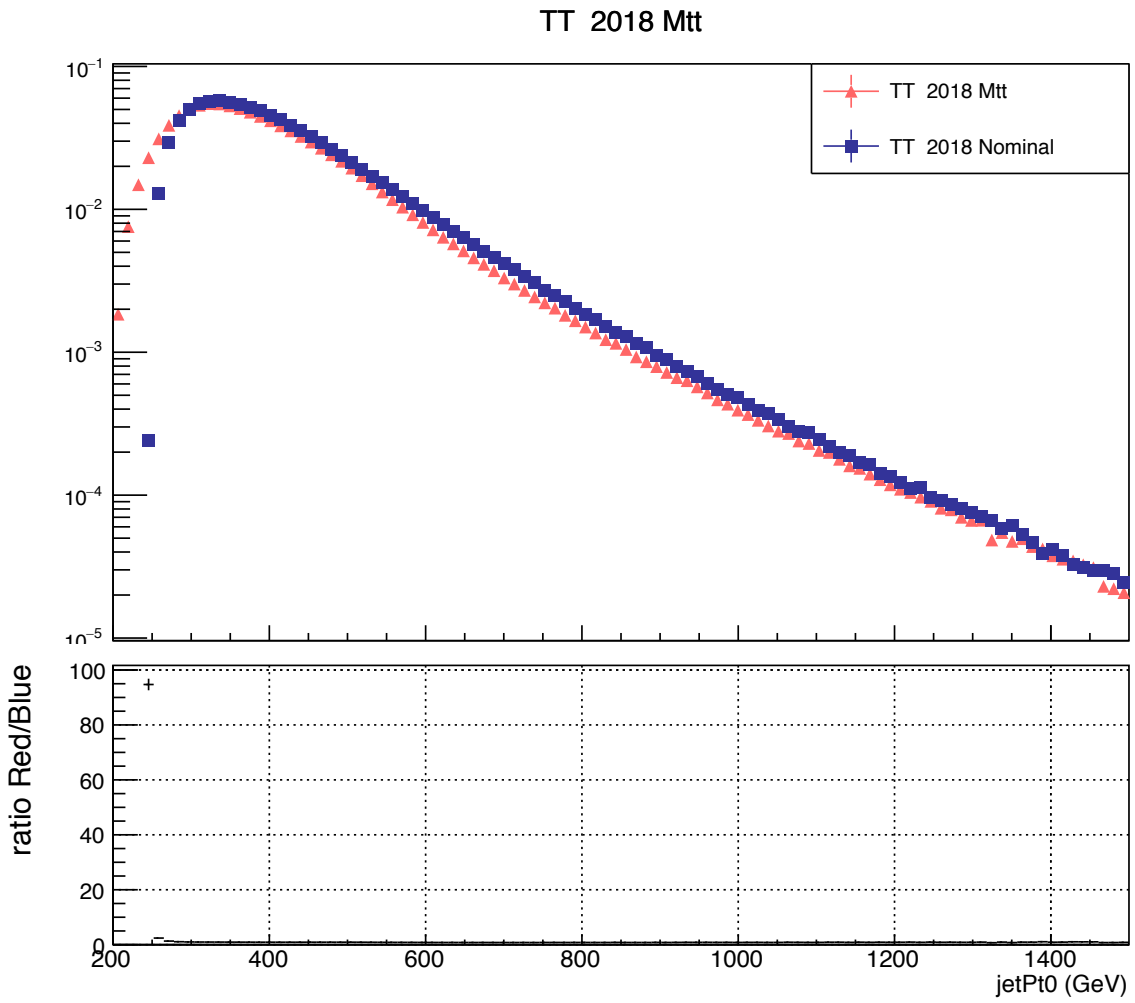

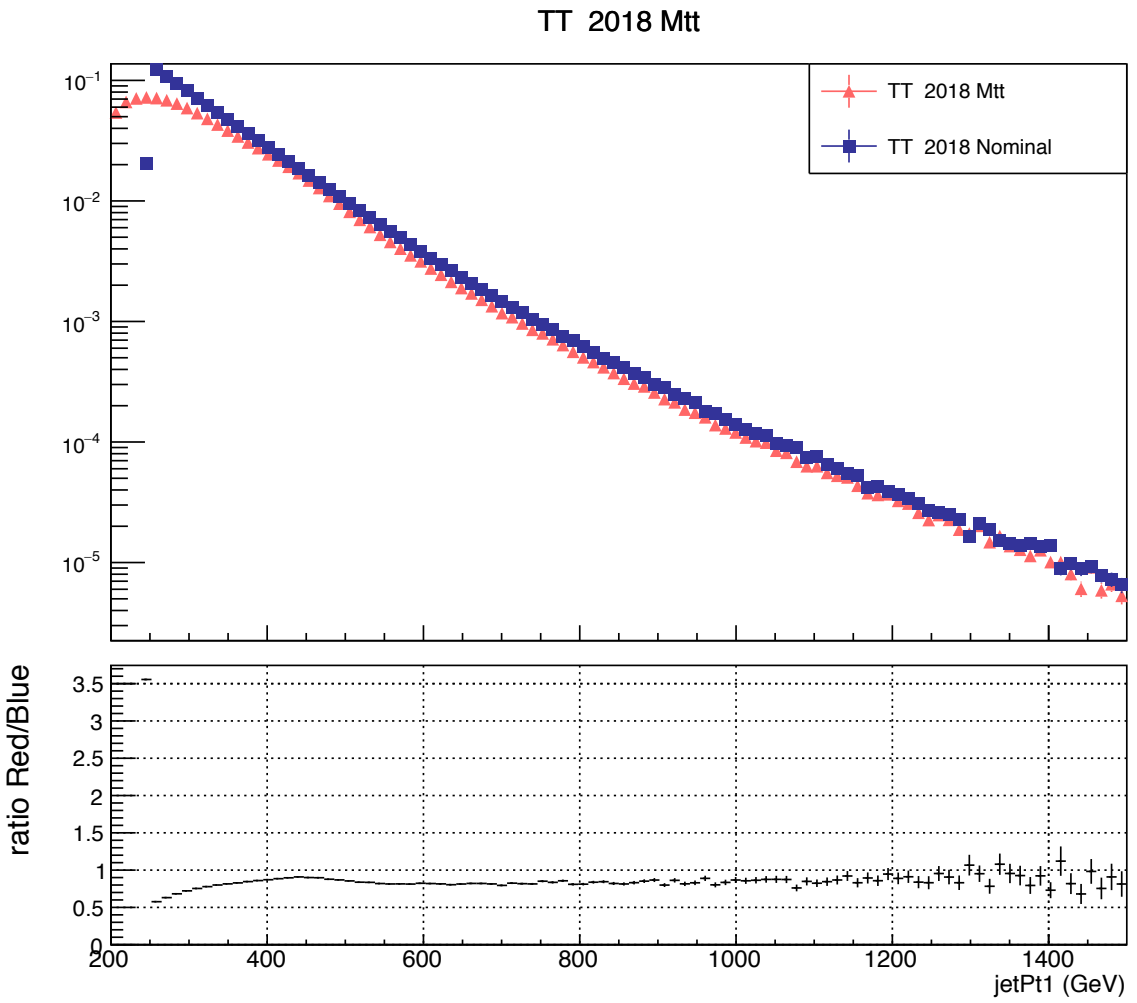

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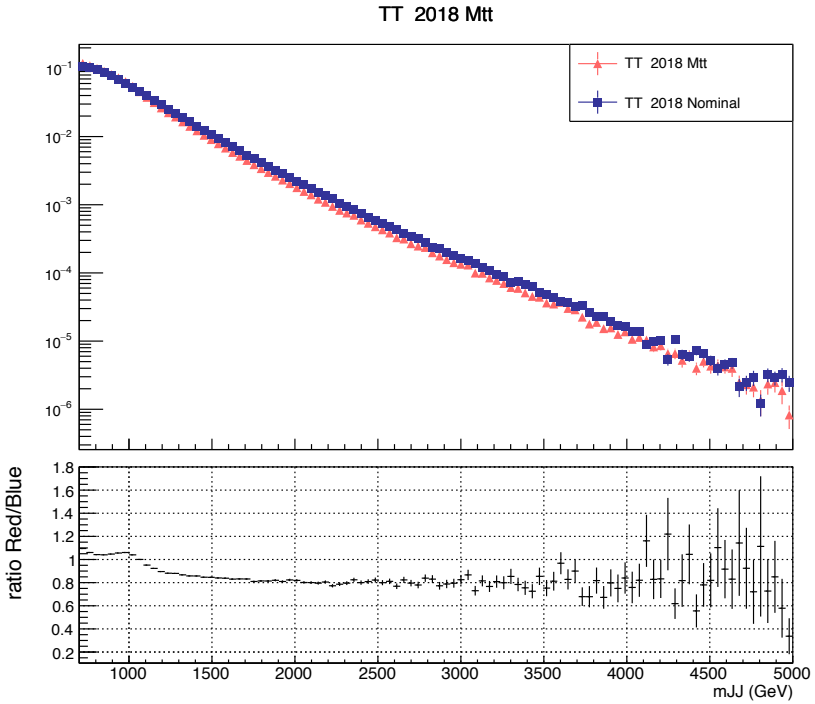

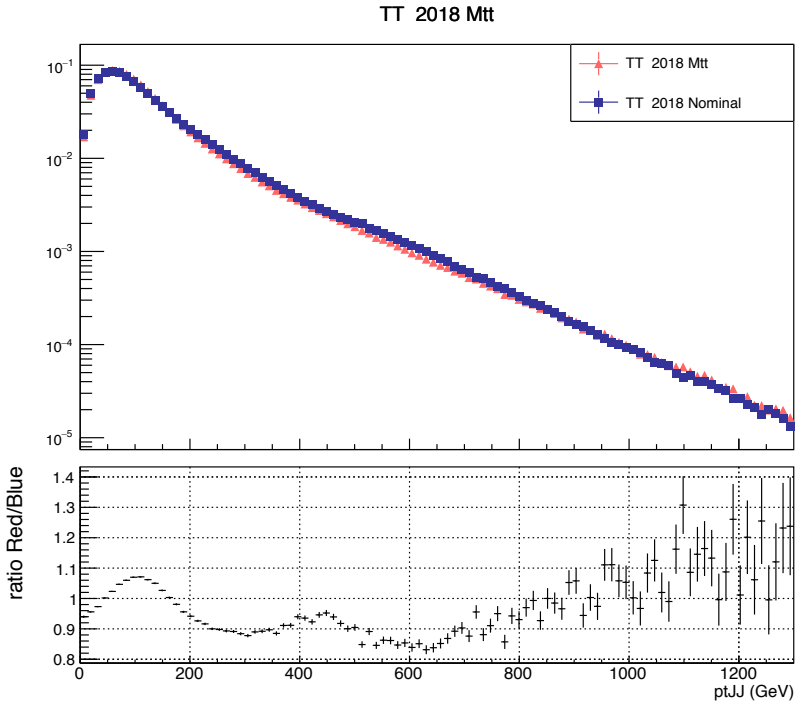

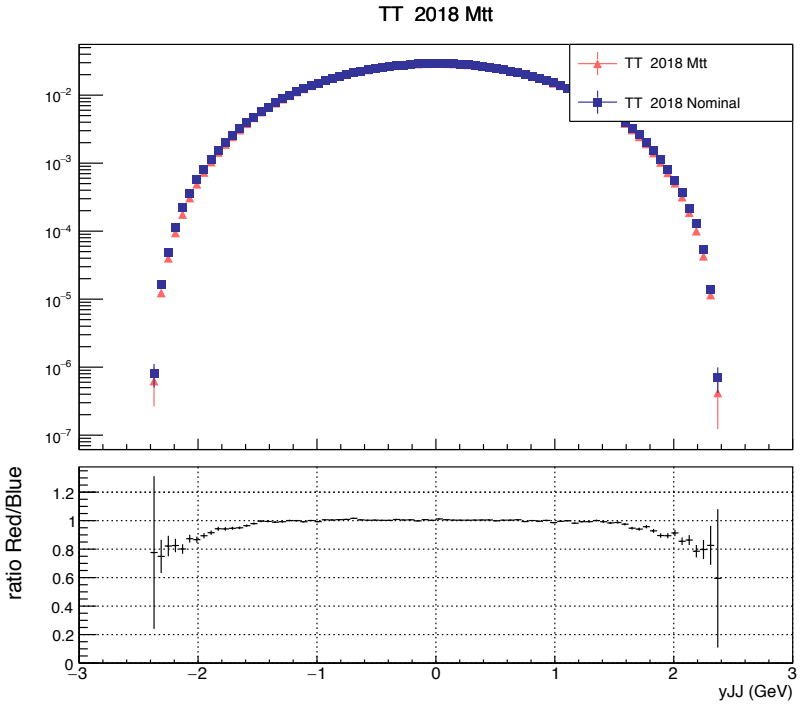

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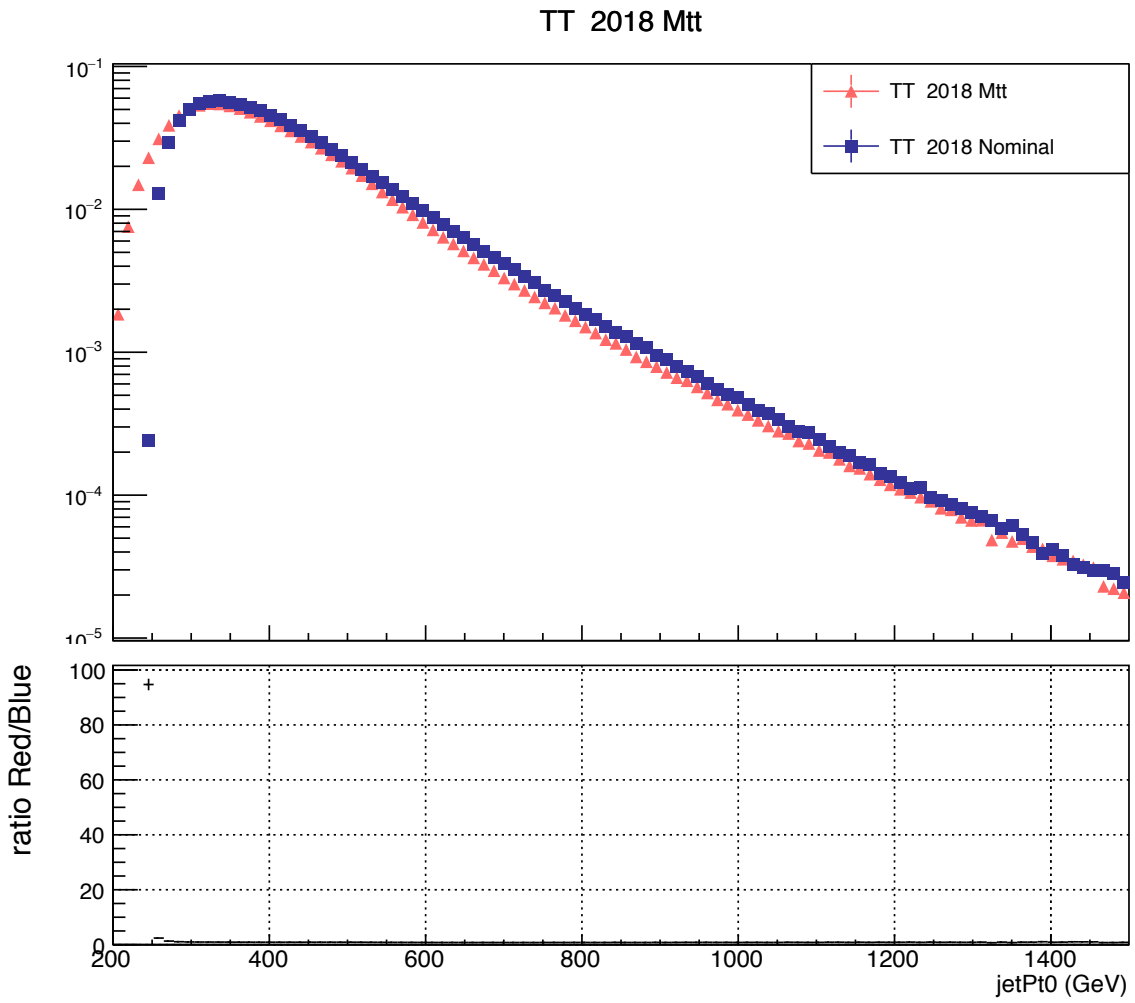

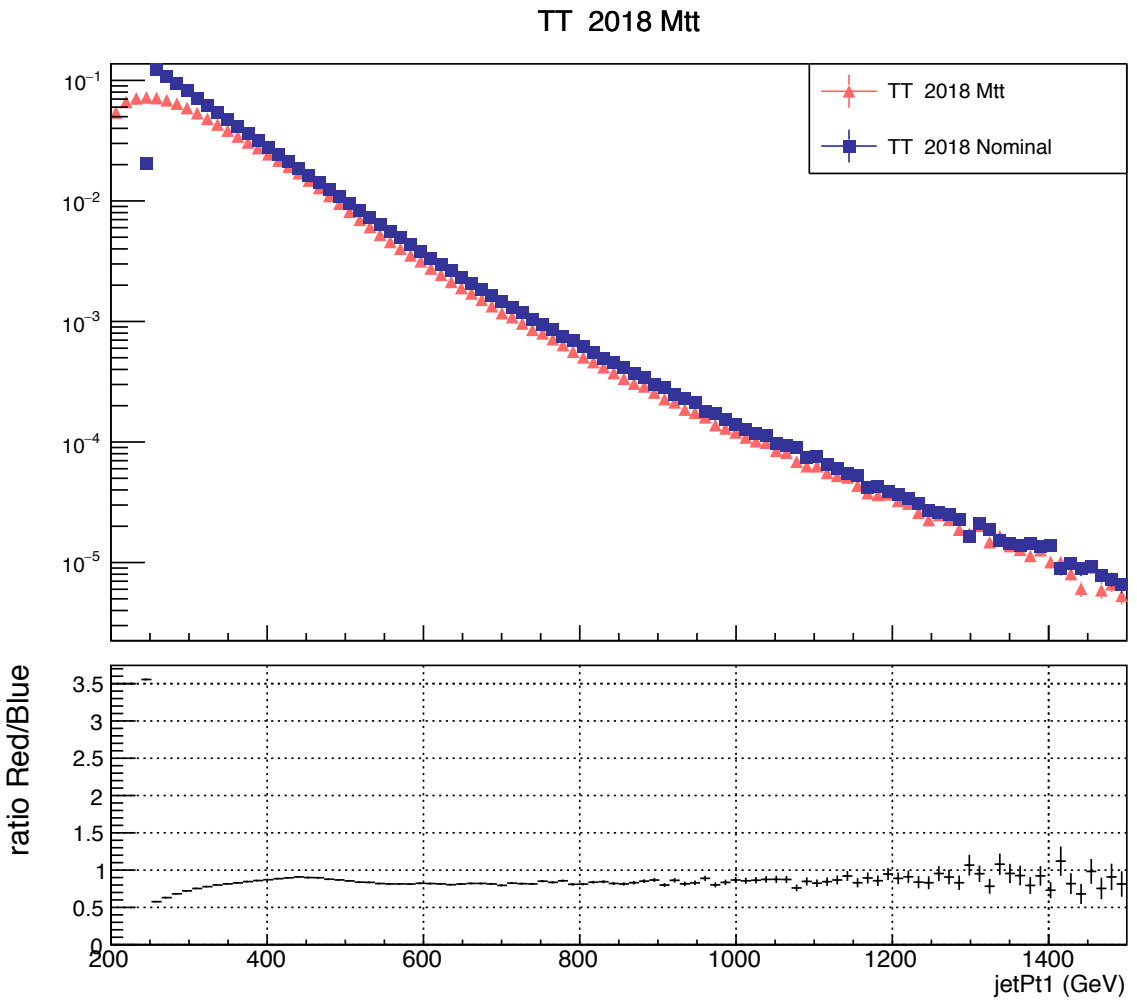

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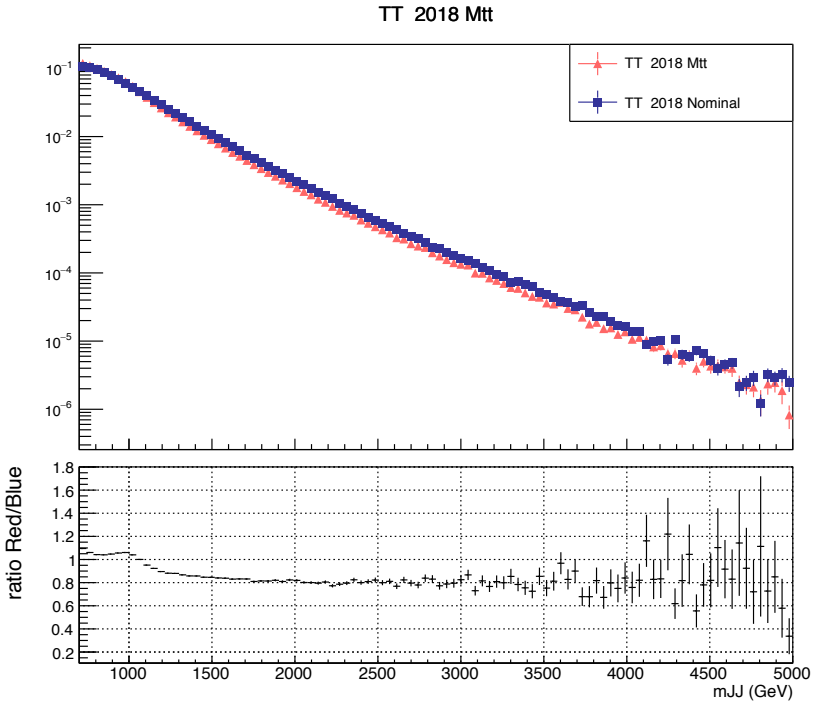
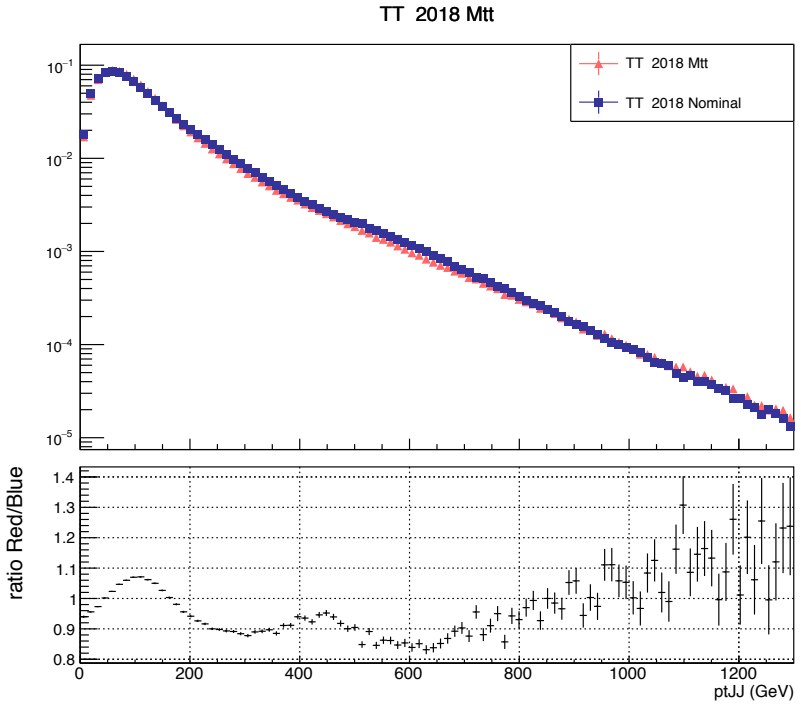
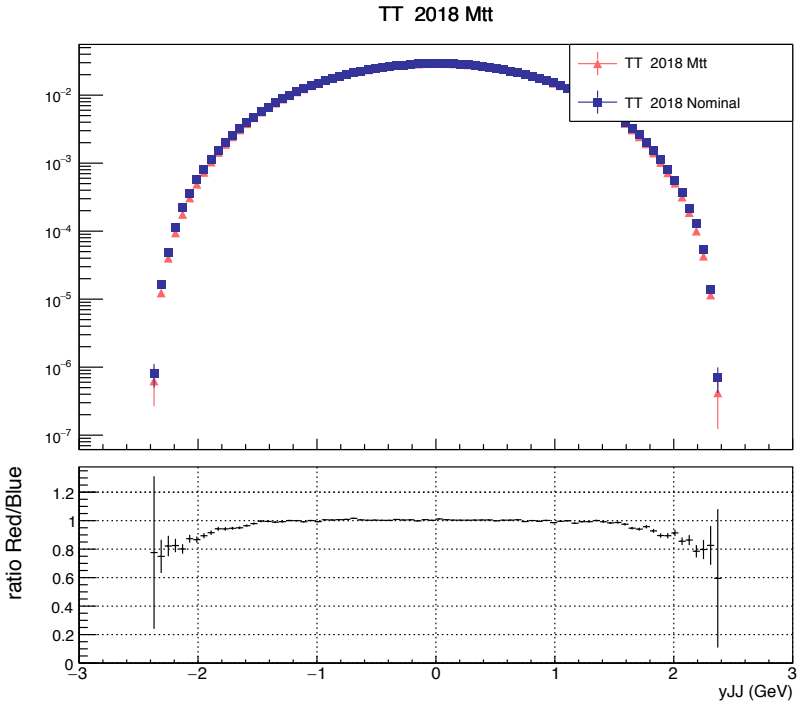
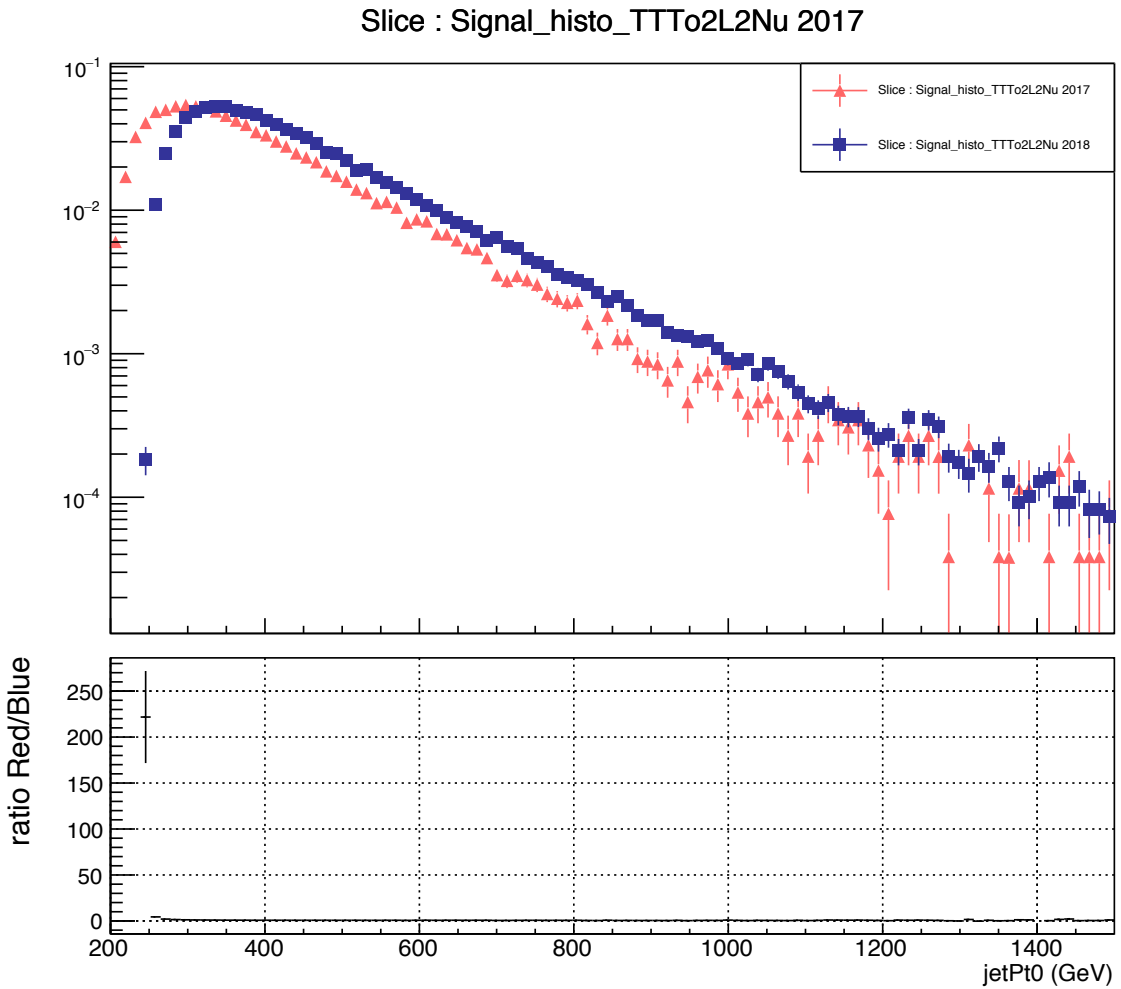
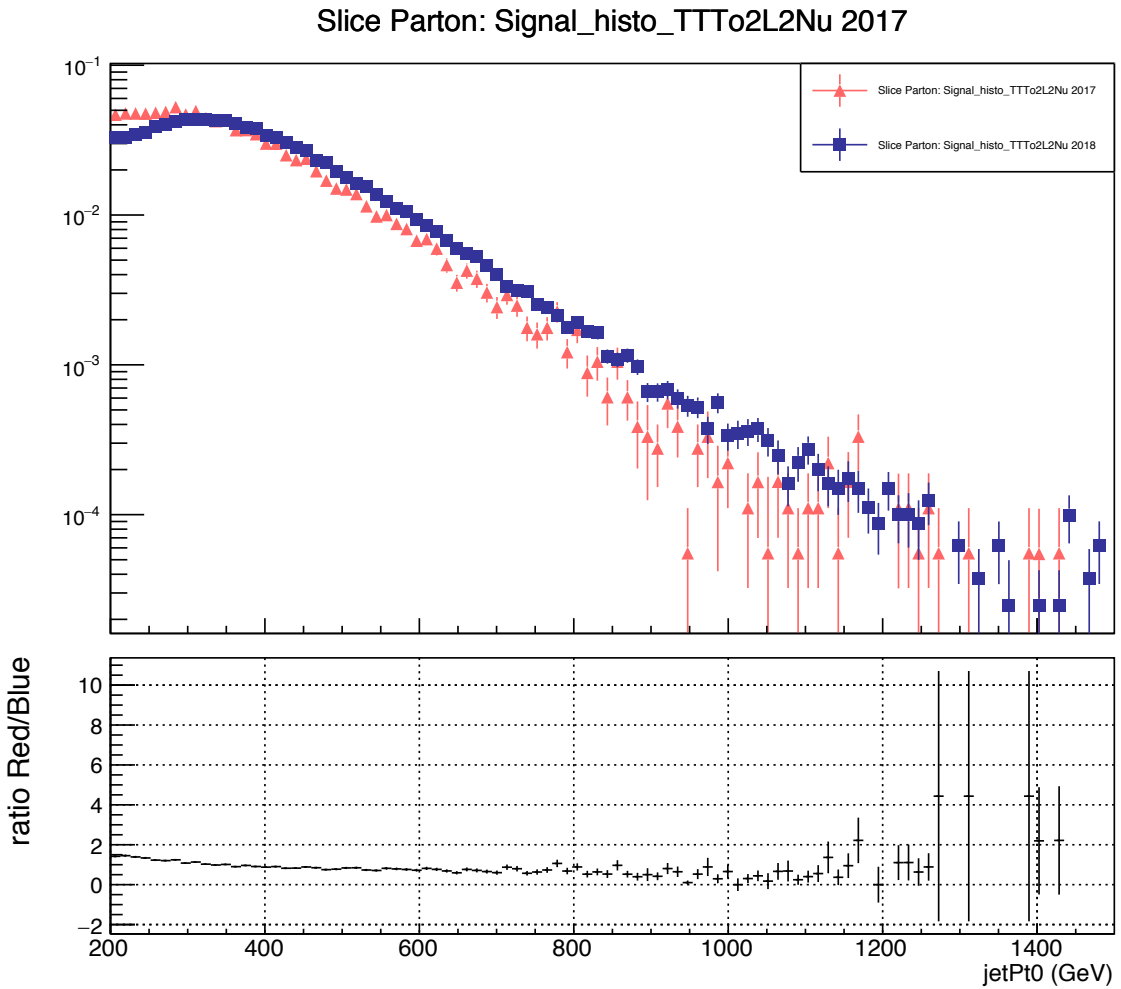






MC Closure Tests Nominal 2017 vs 2018 (shape) per slice





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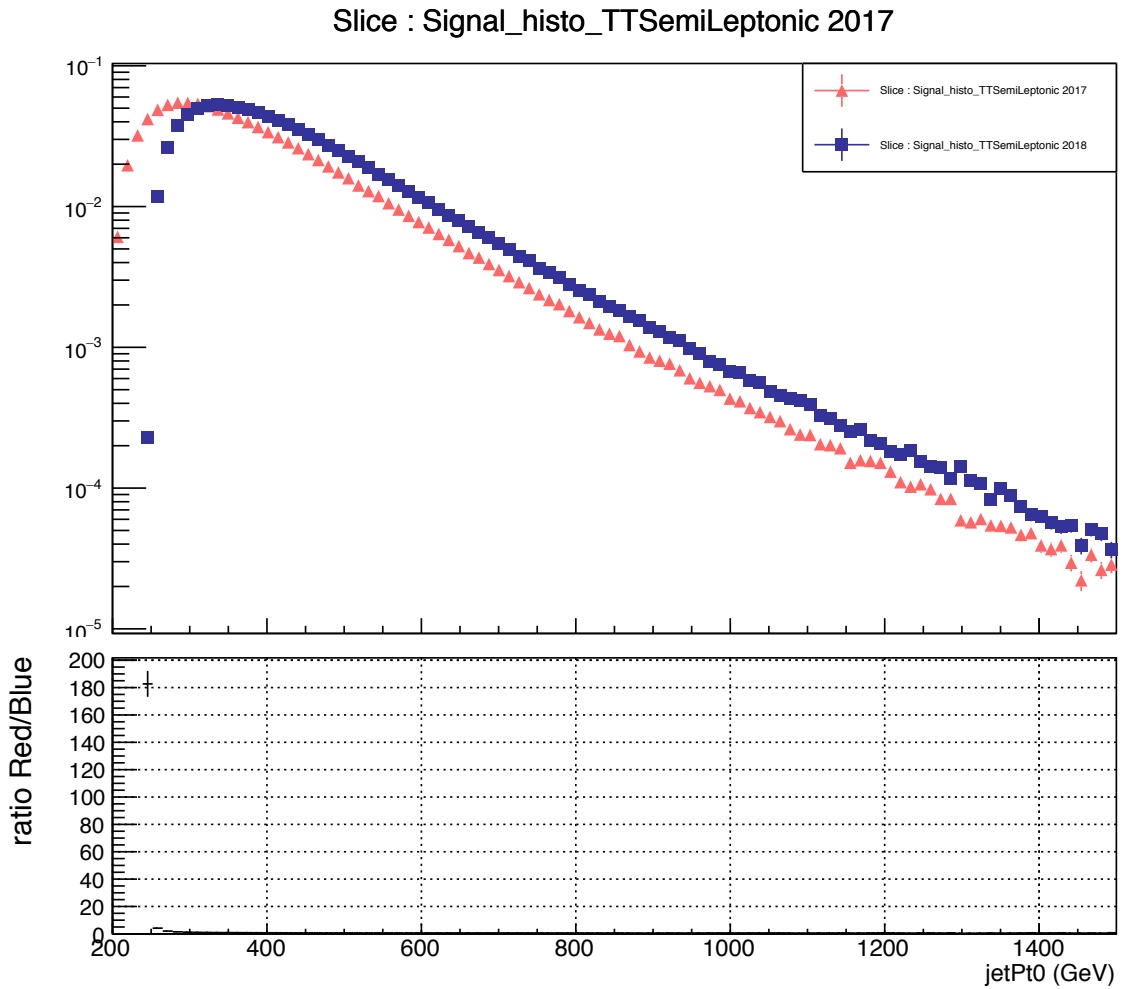

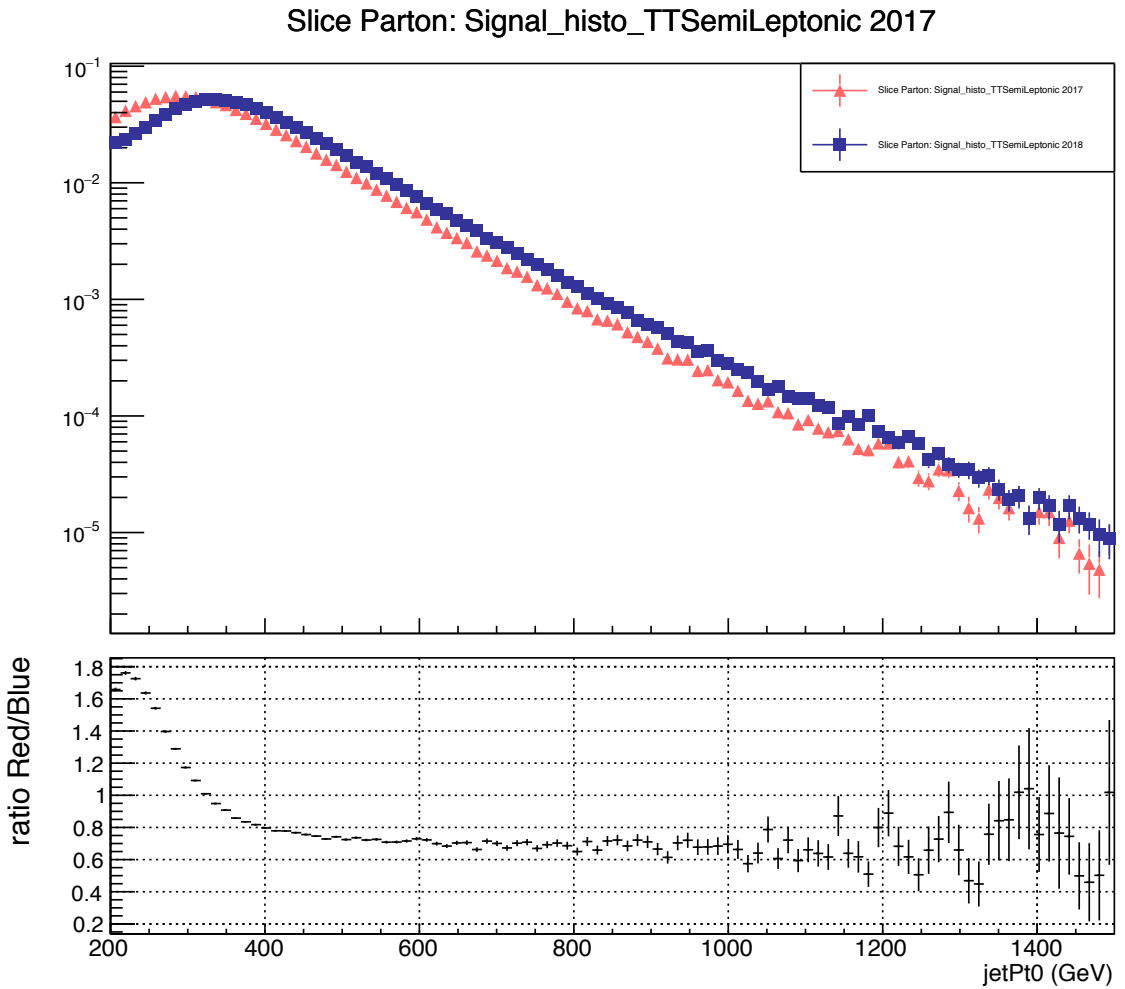

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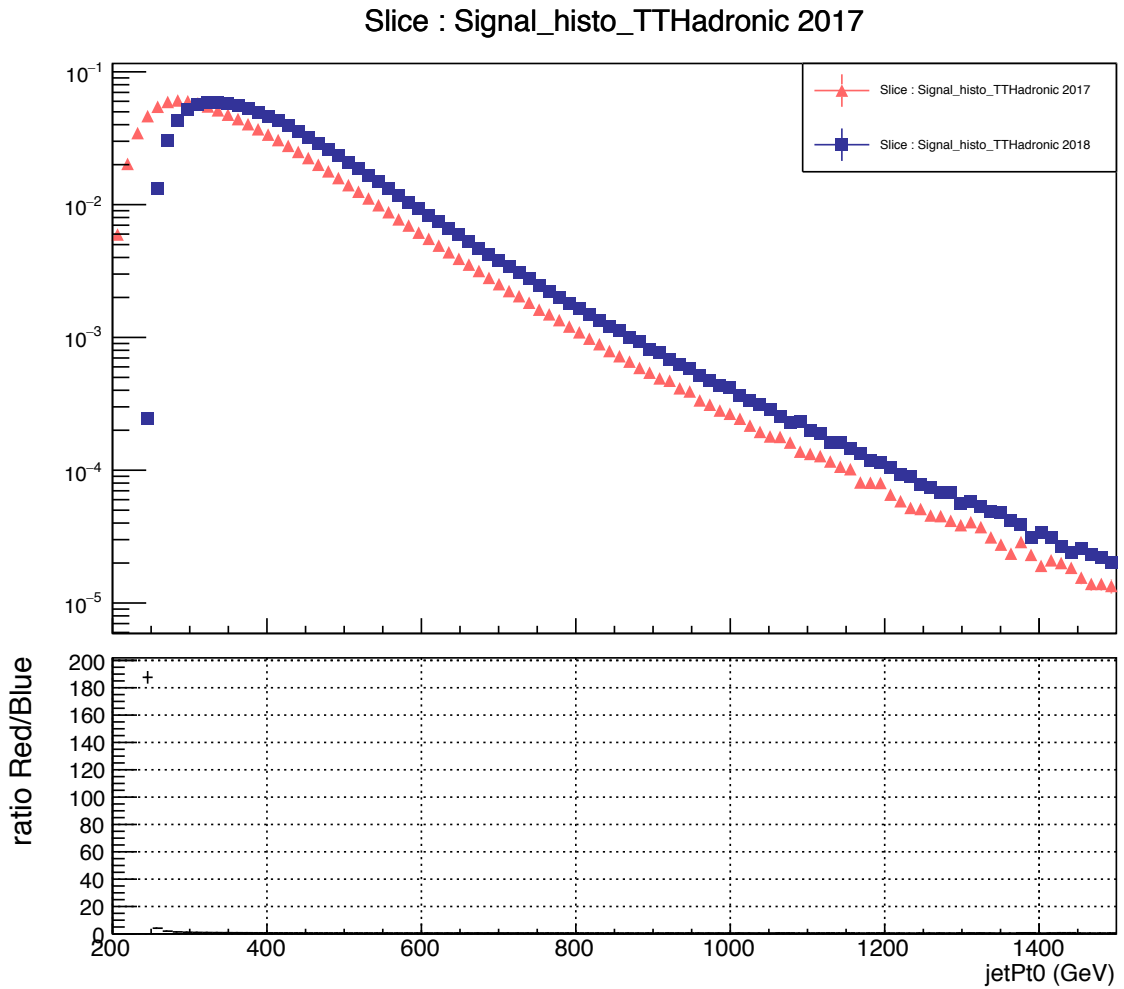

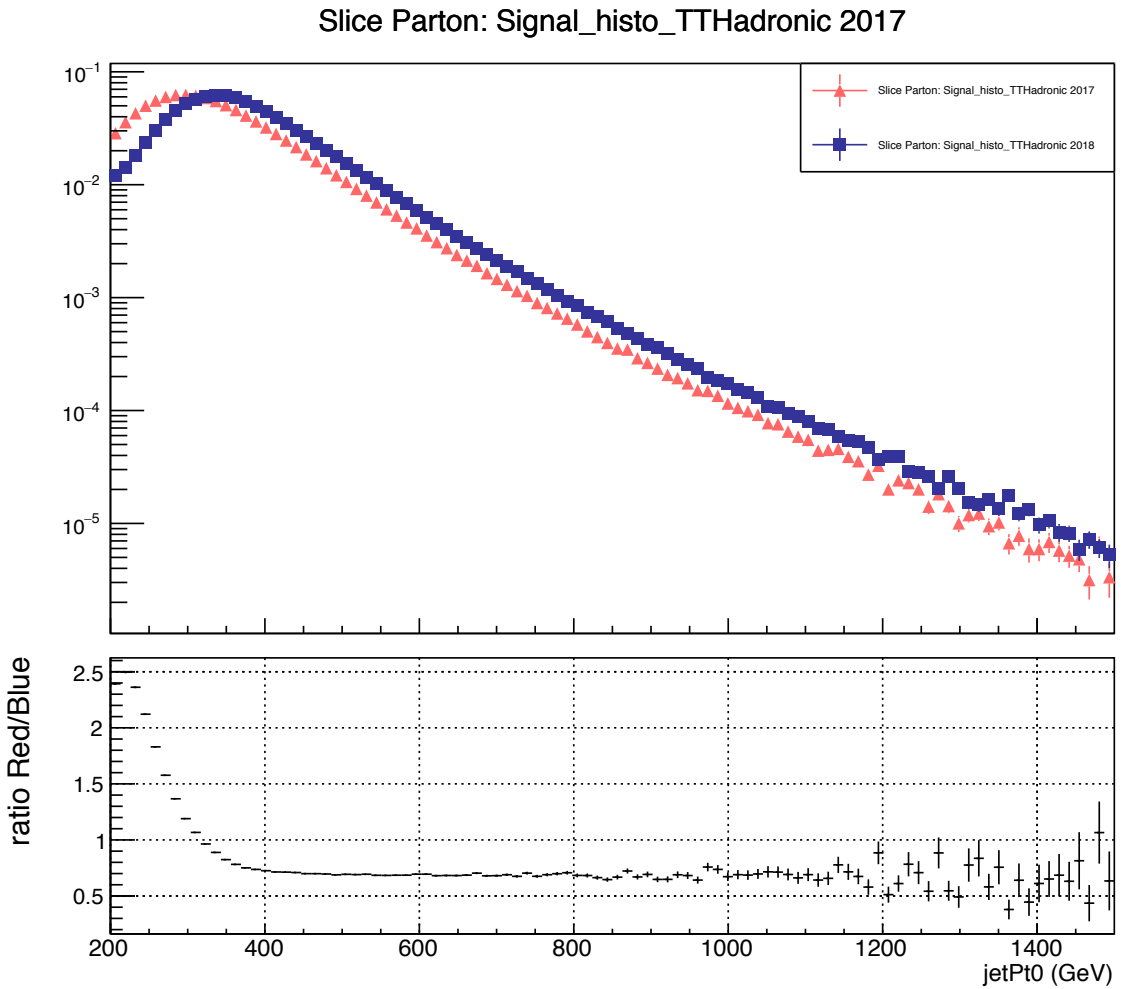

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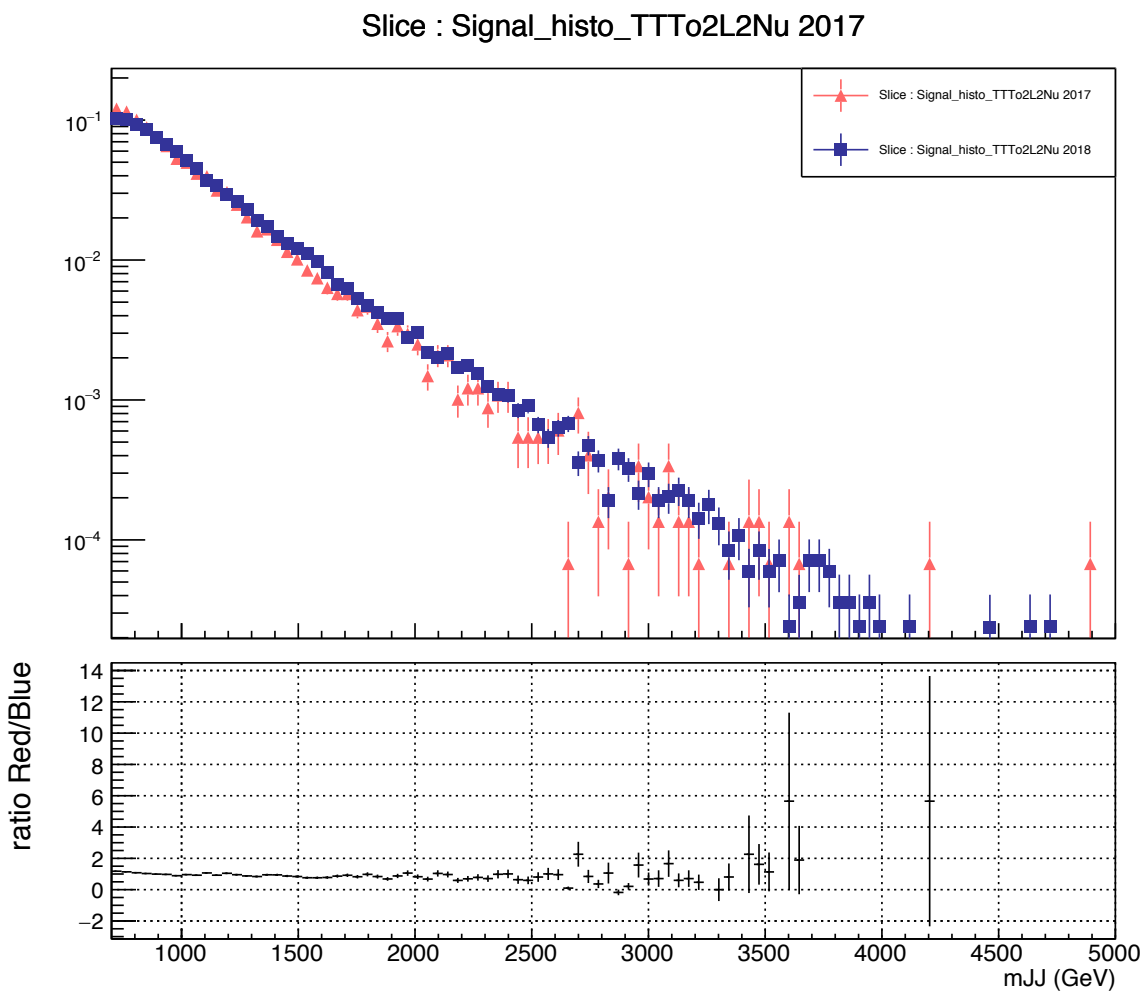

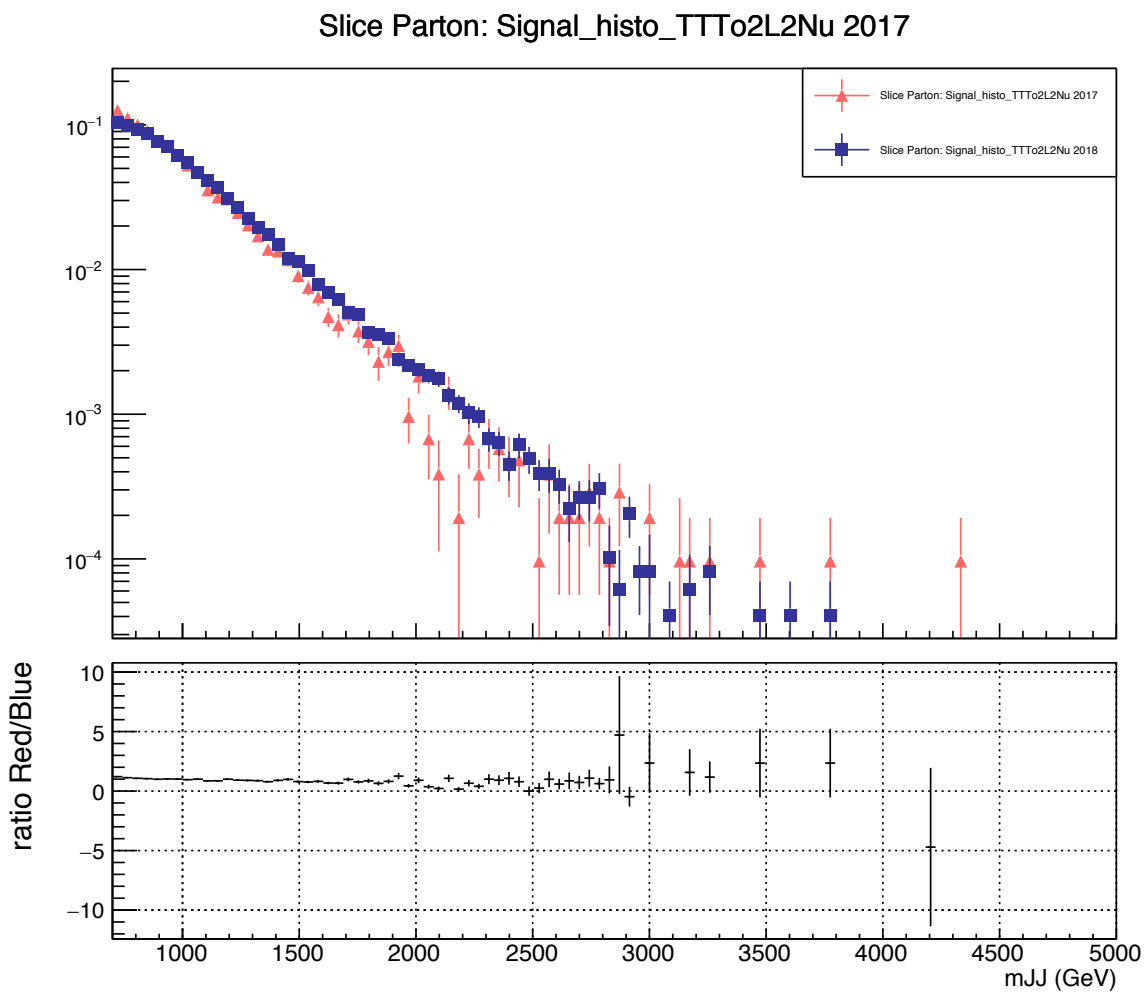

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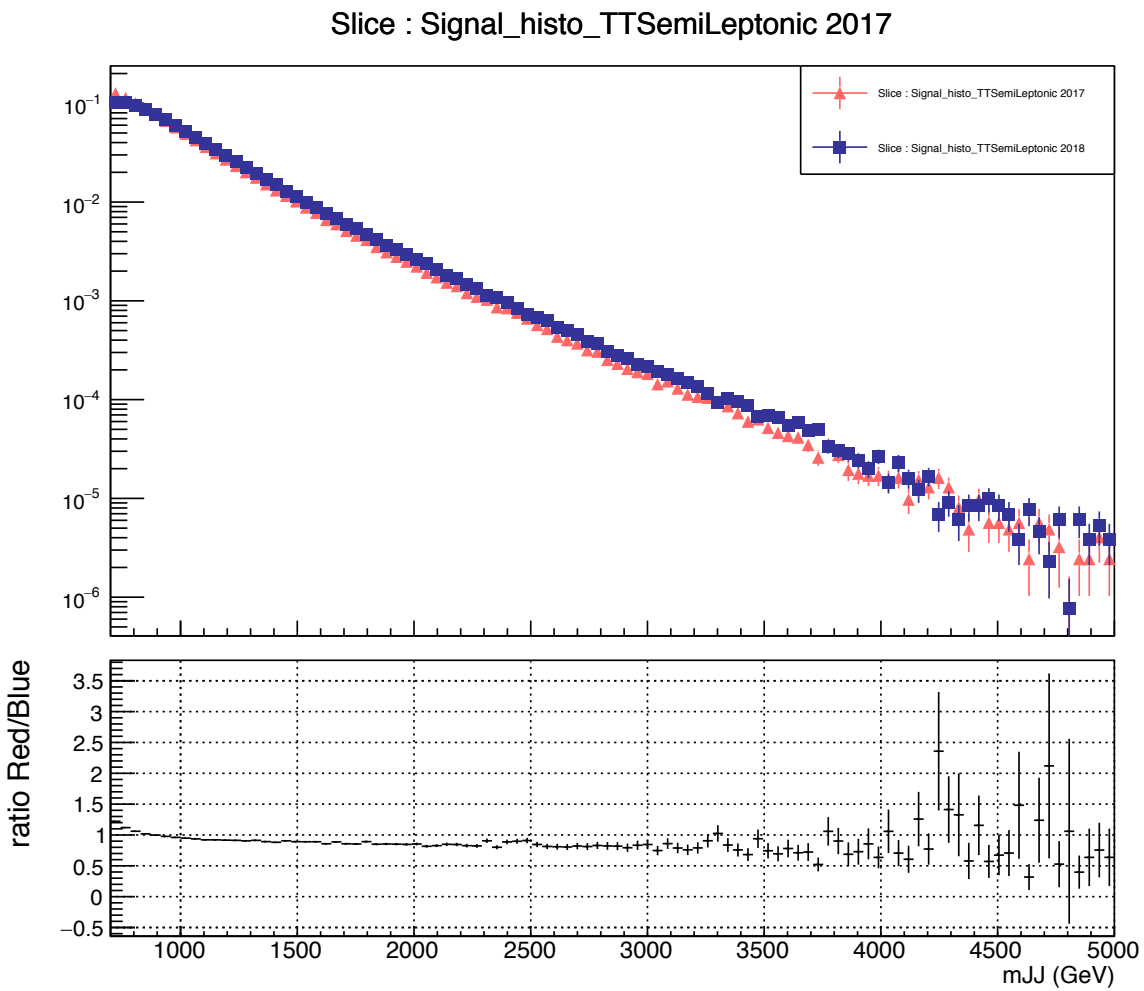

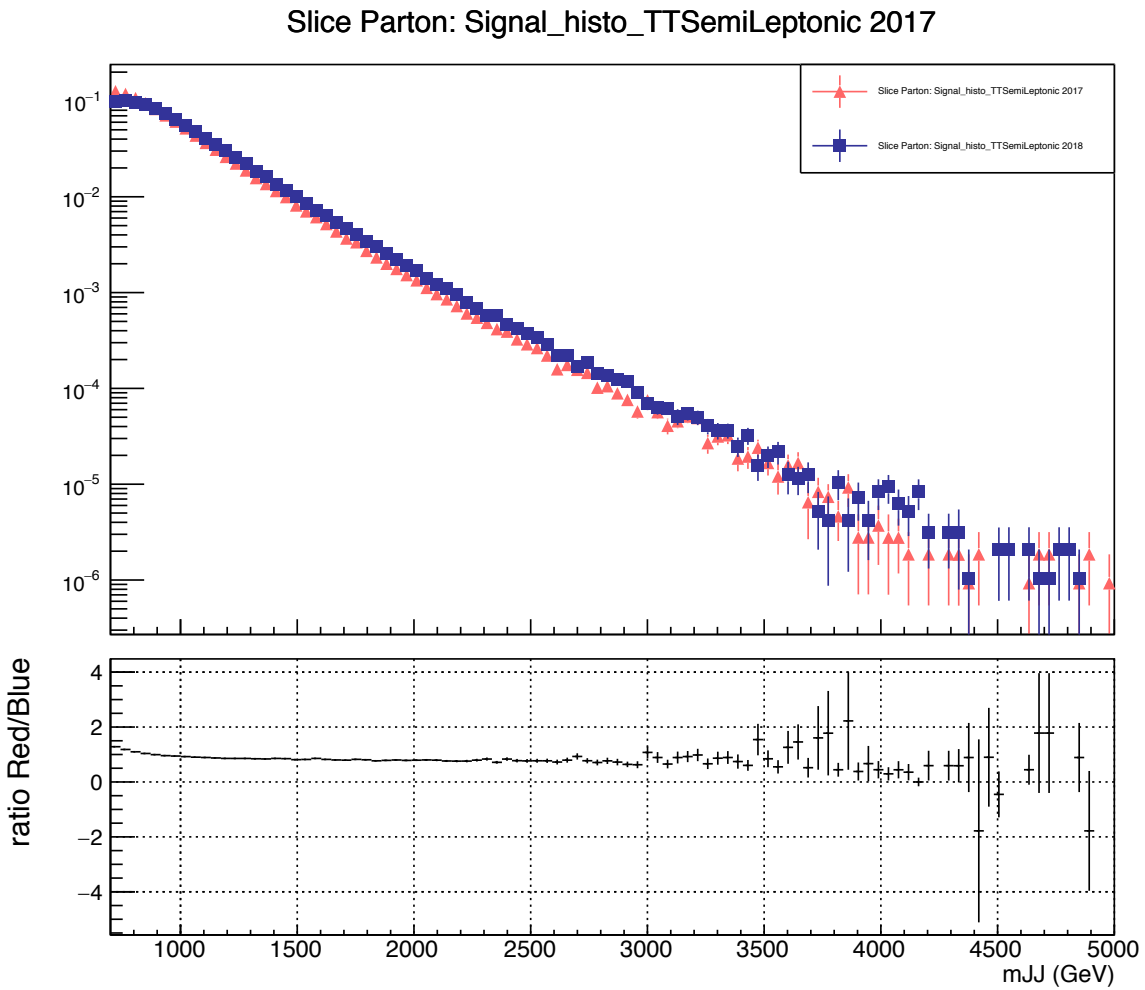

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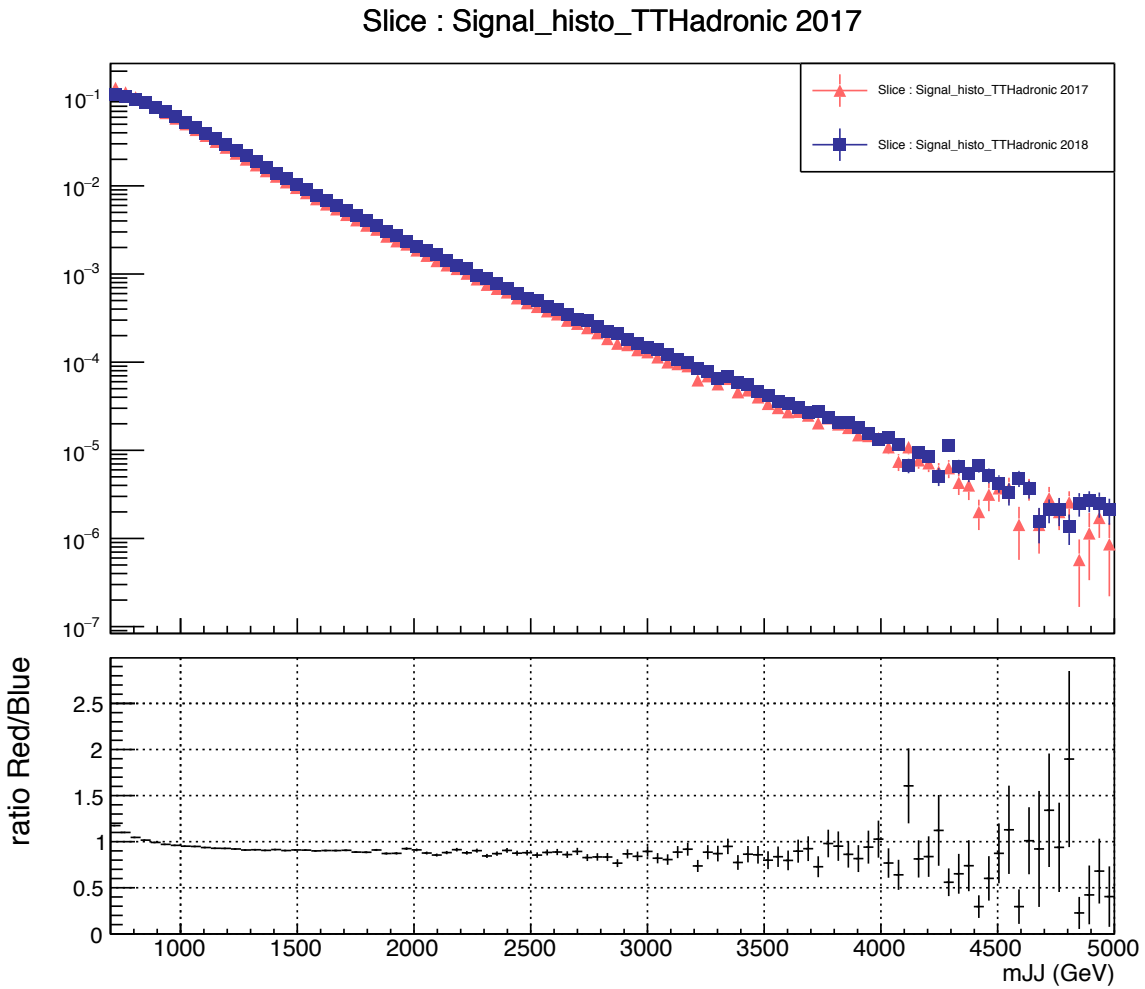

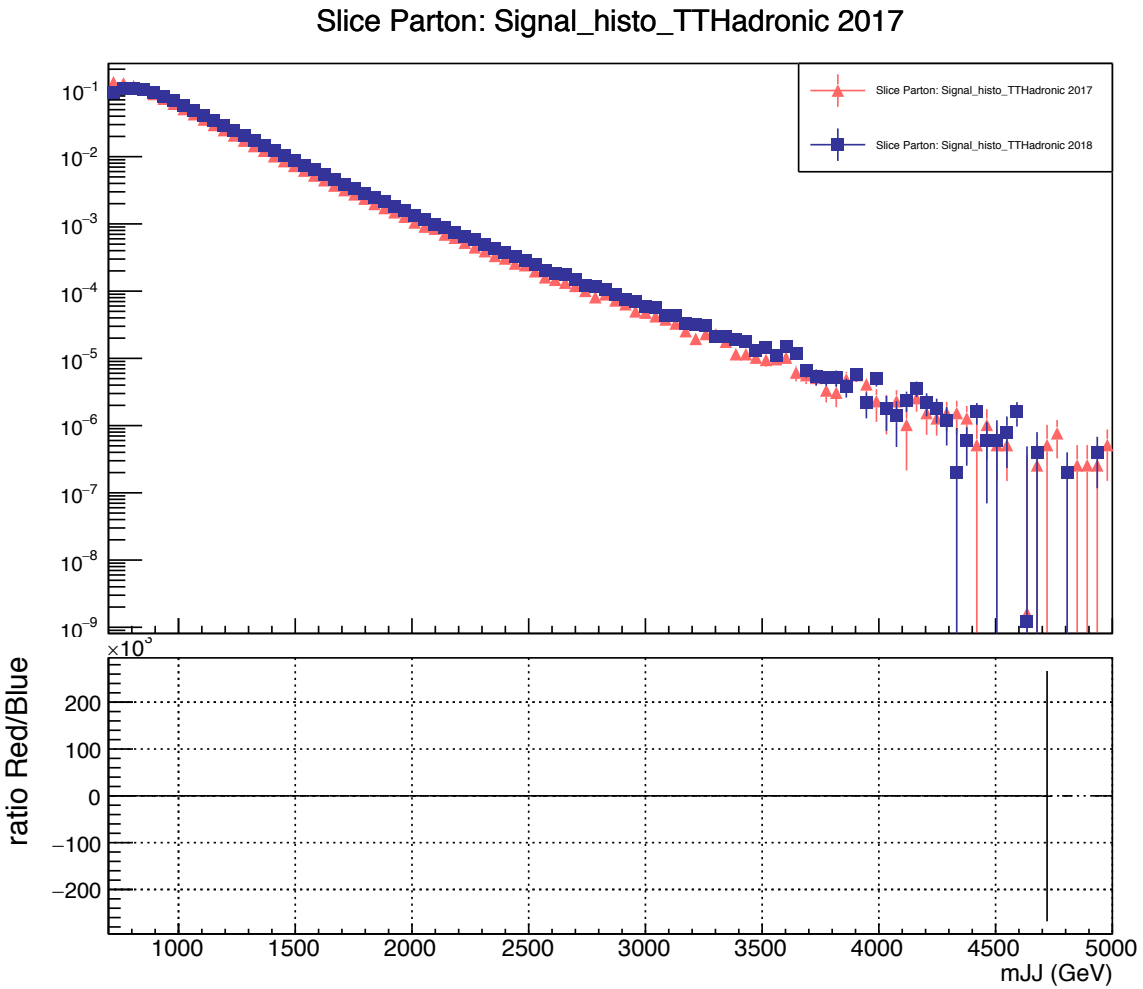

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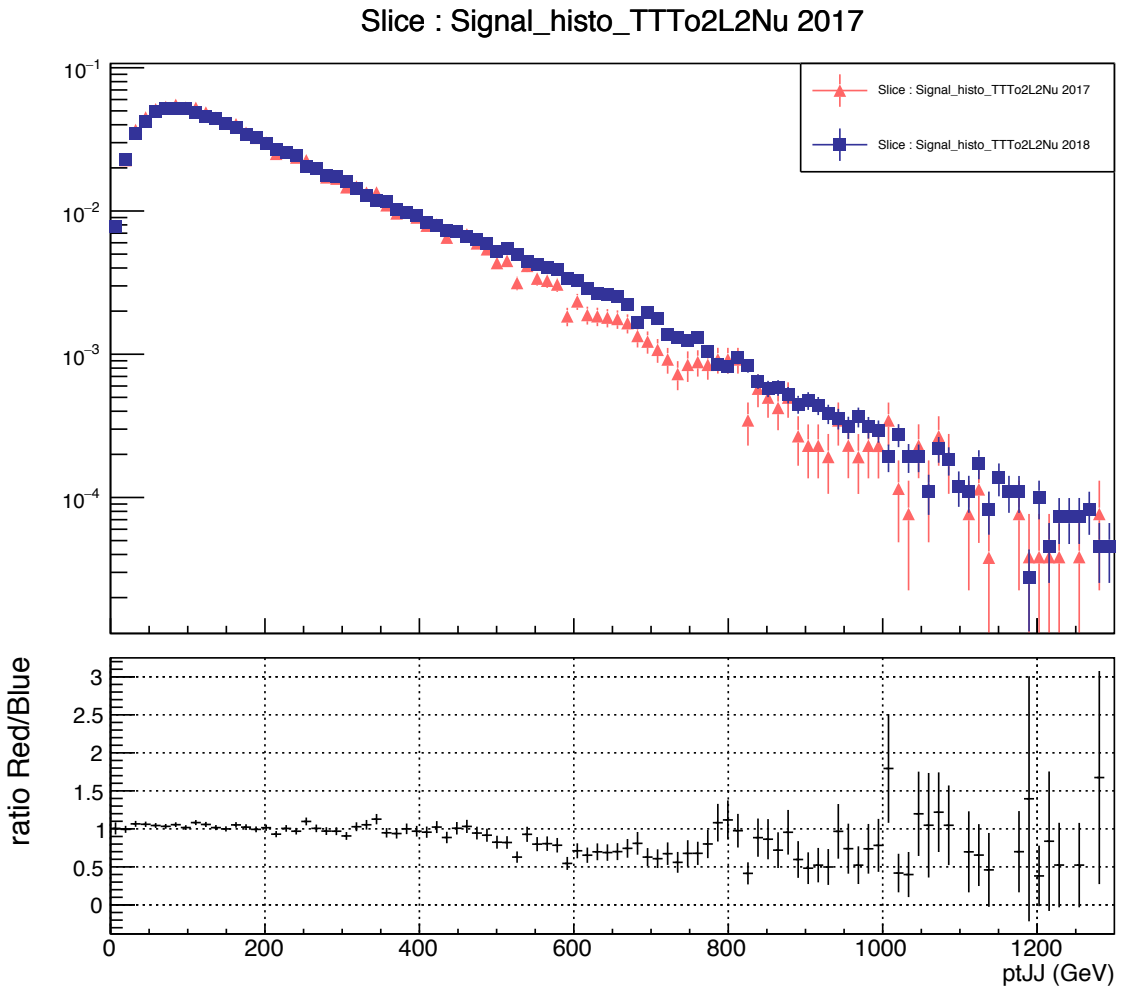
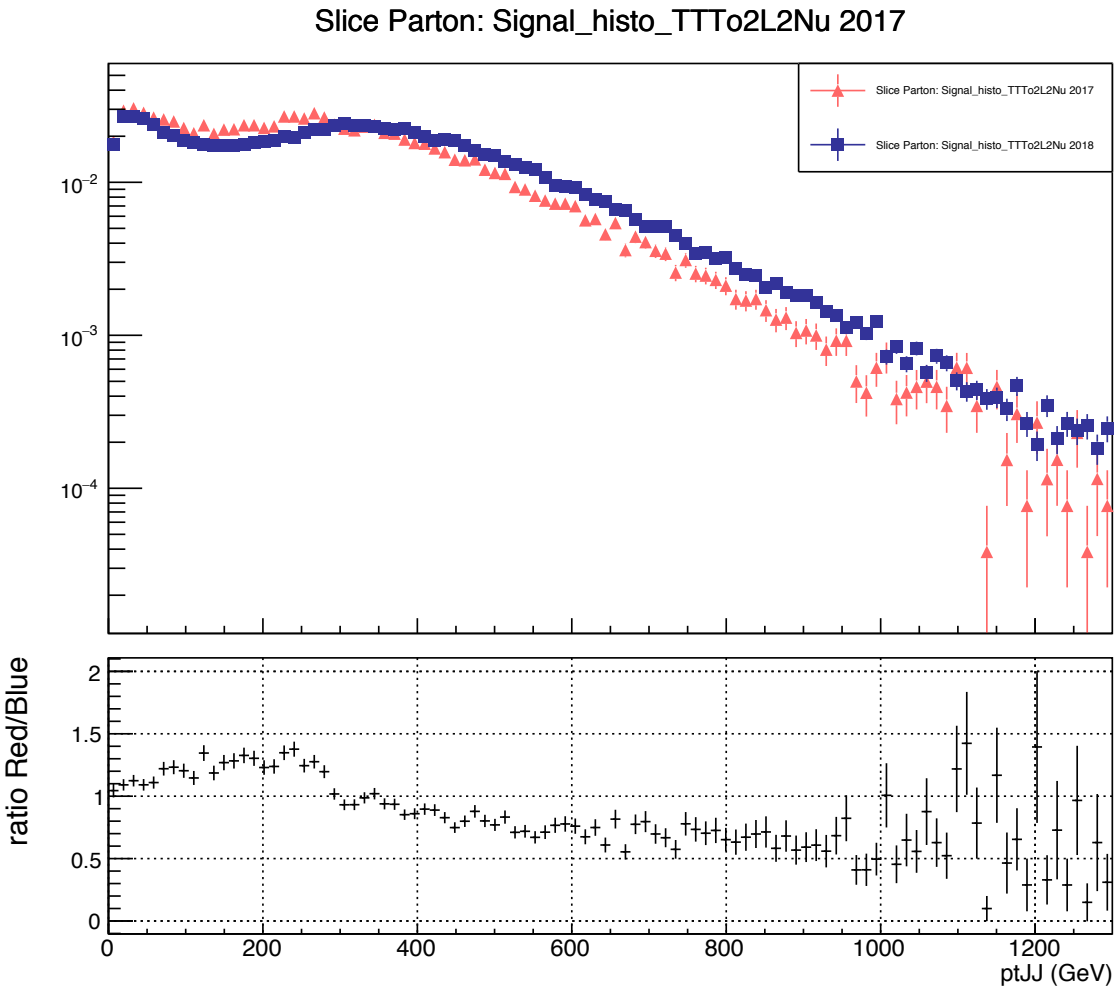
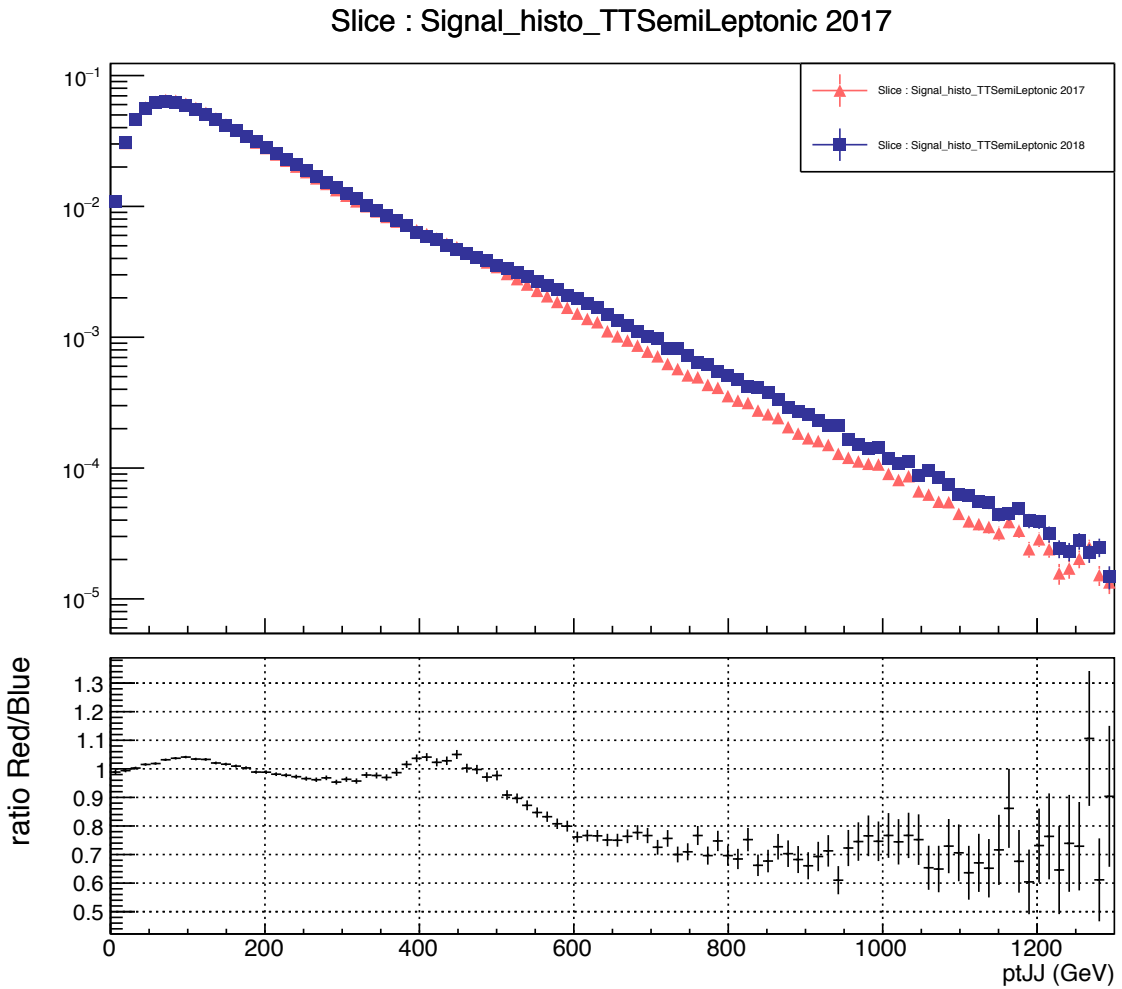
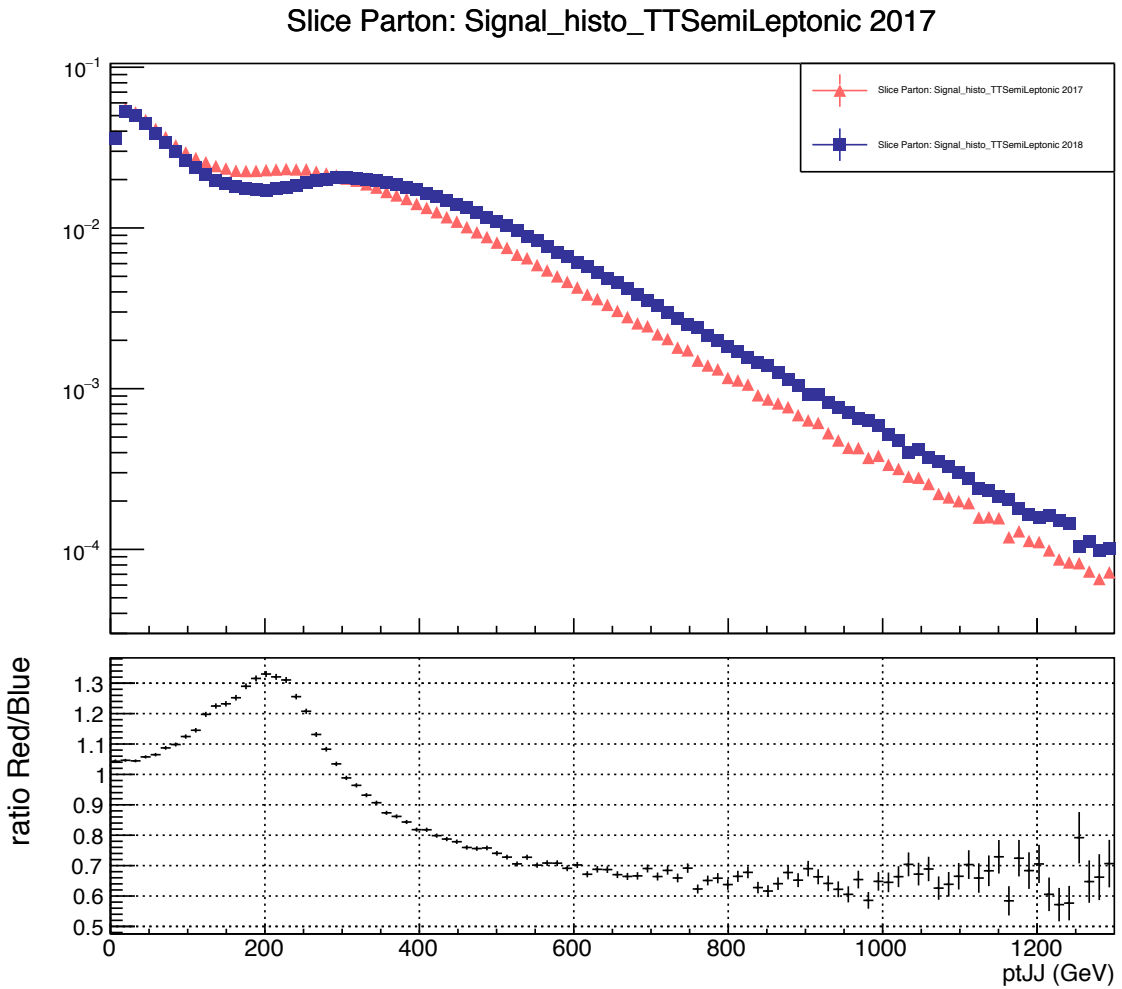


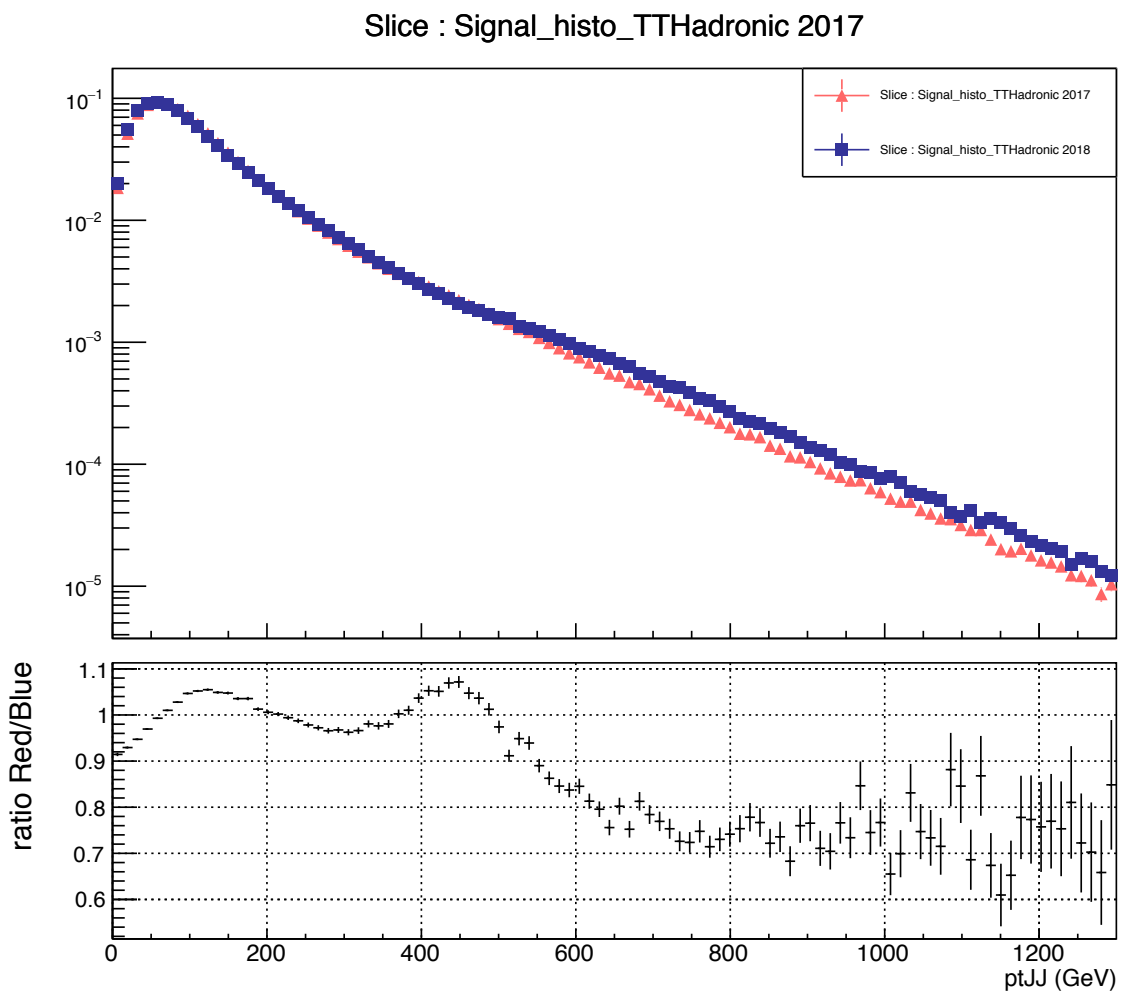


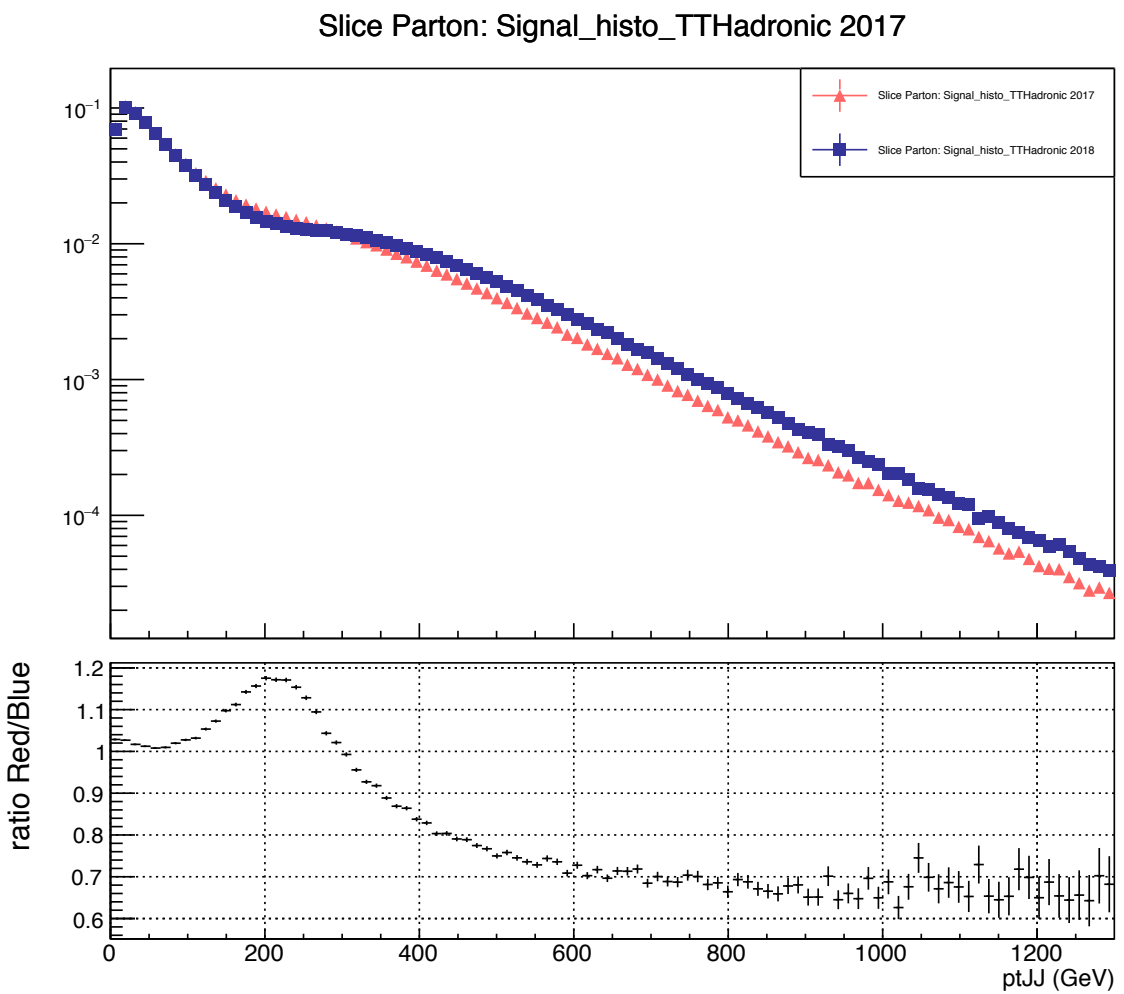
MC Closure Tests Nominal 2017 vs 2018 (shape) per slice



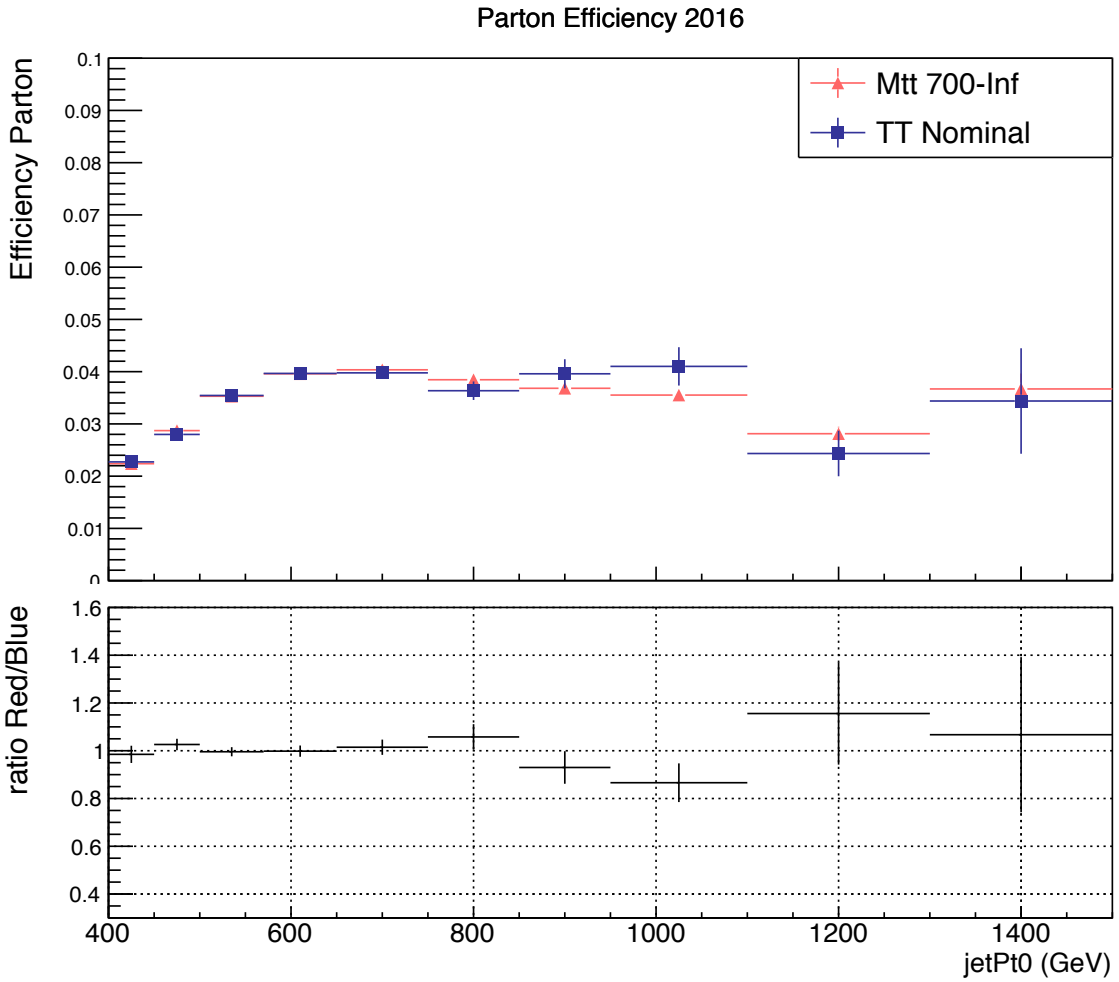


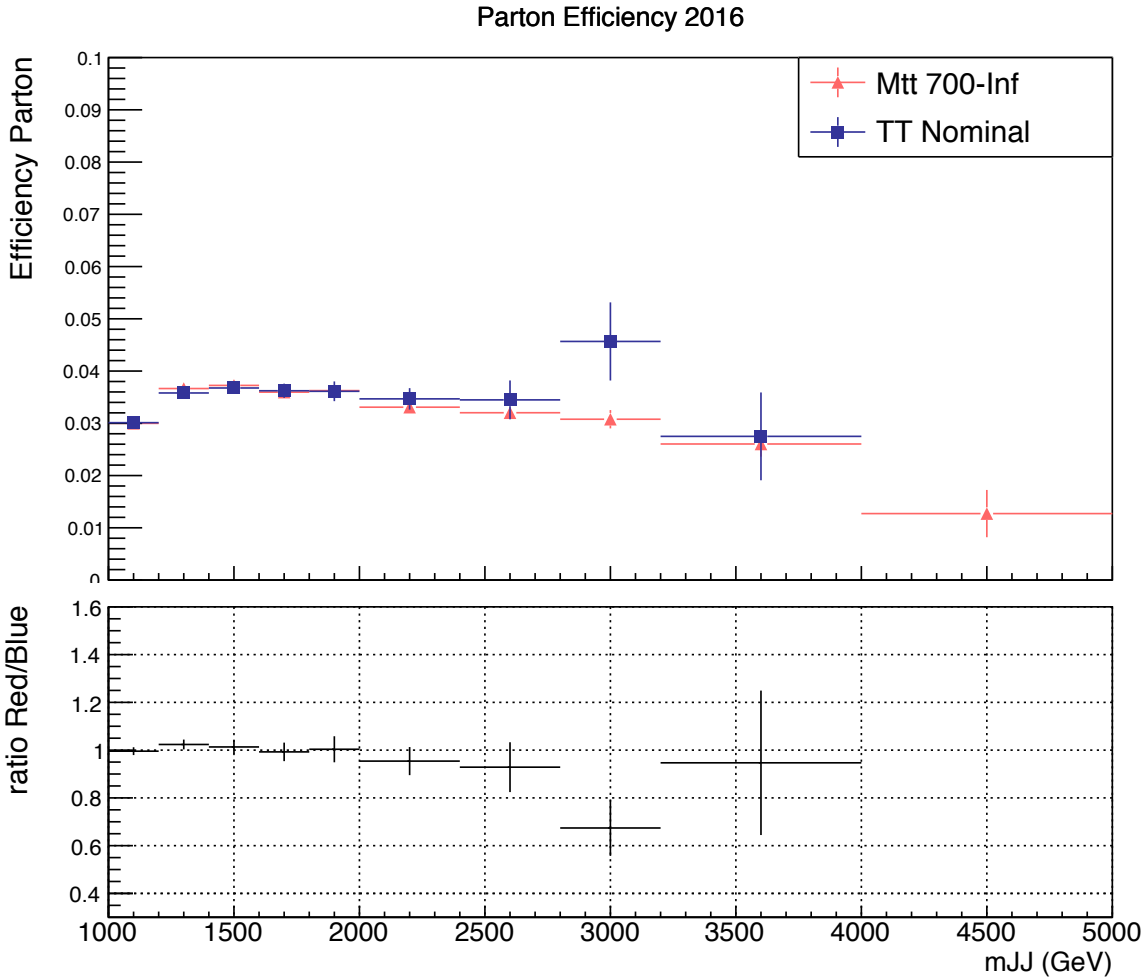
MC Closure Tests Nominal 2017 vs 2018 (shape) per slice



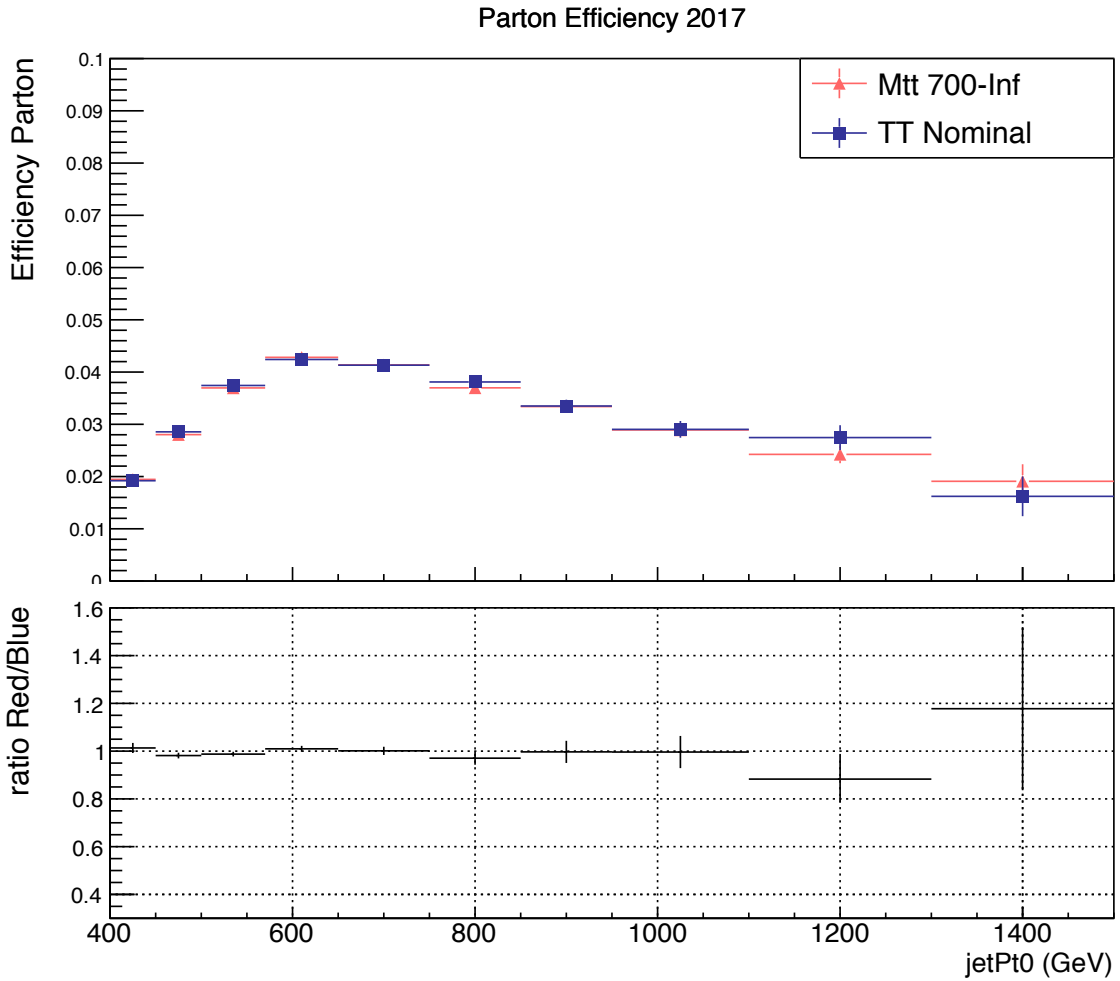


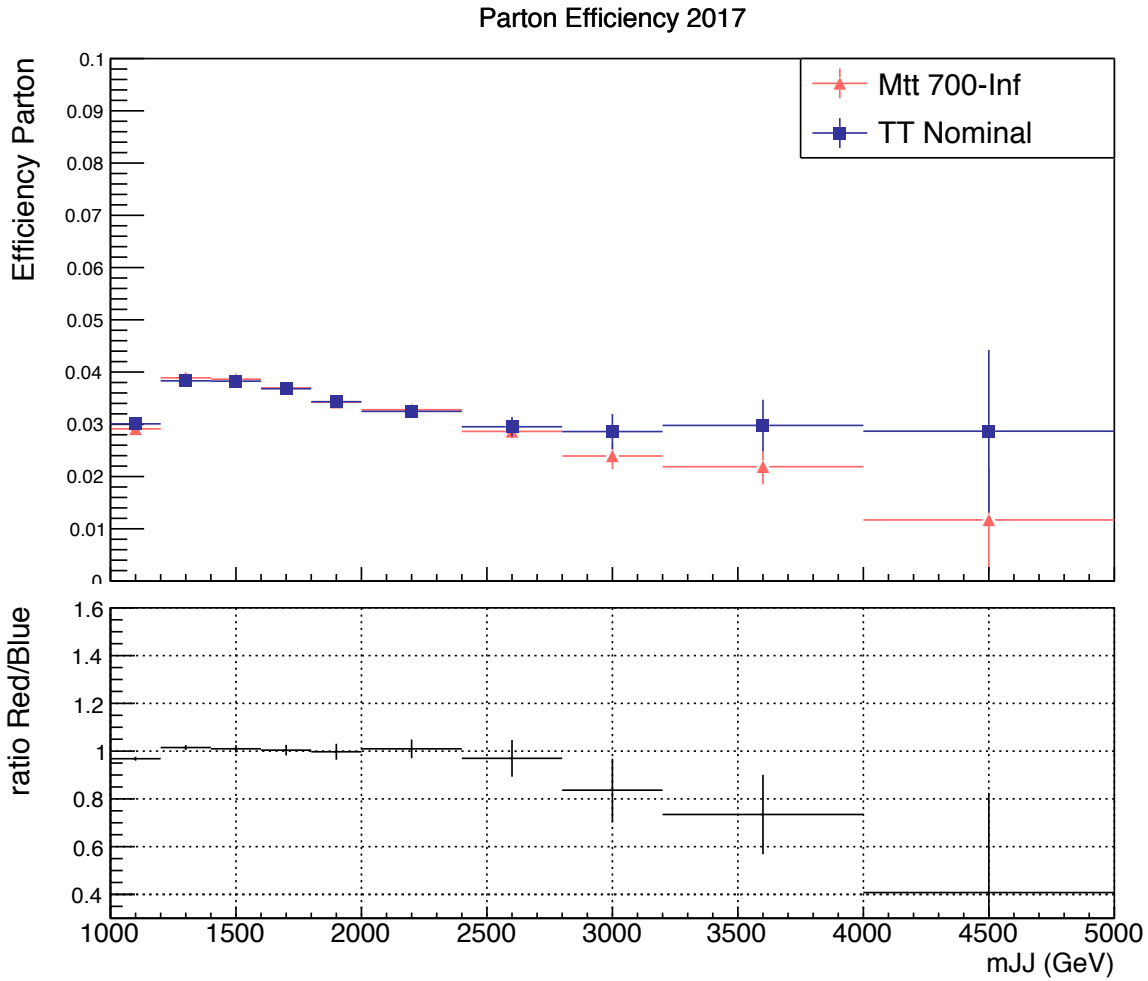
Efficiency from Nominal MC and High Mtt



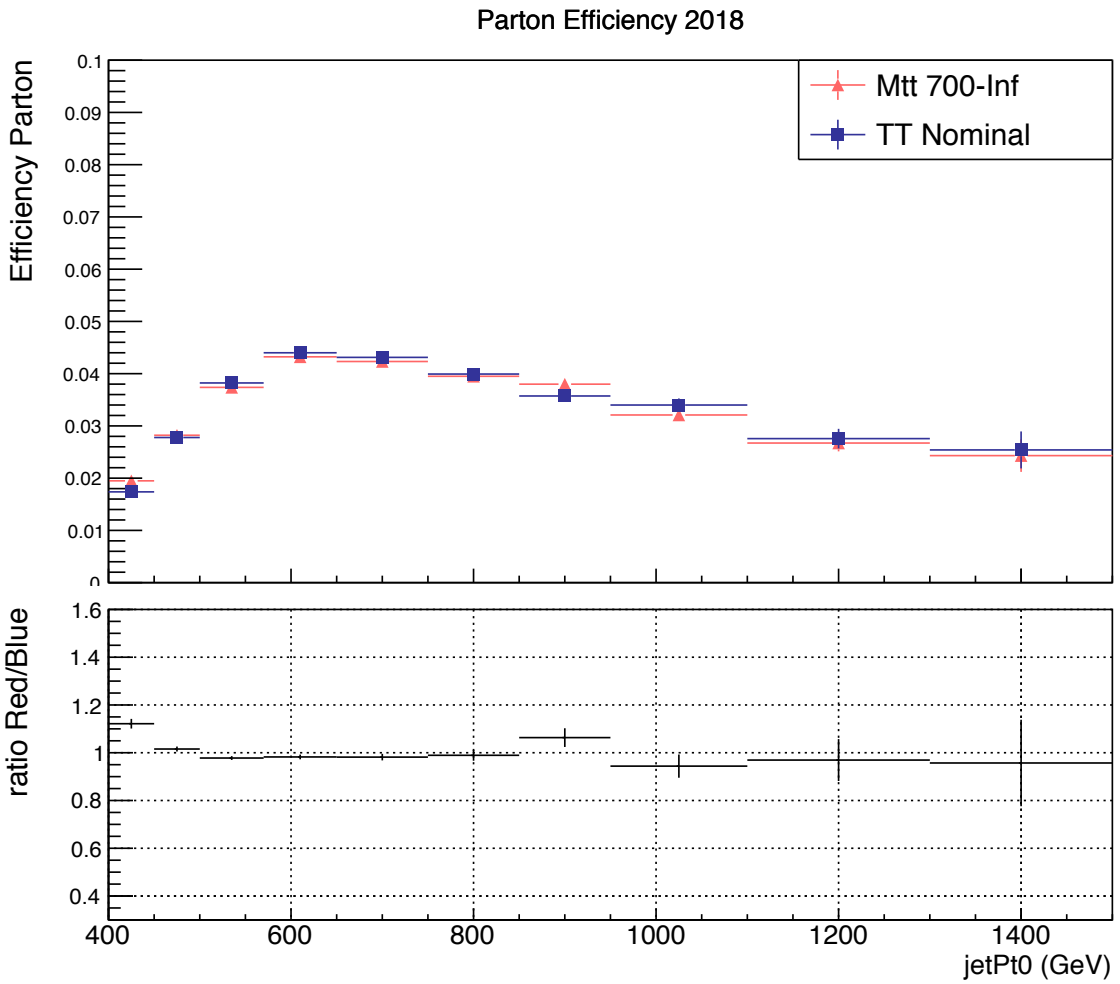


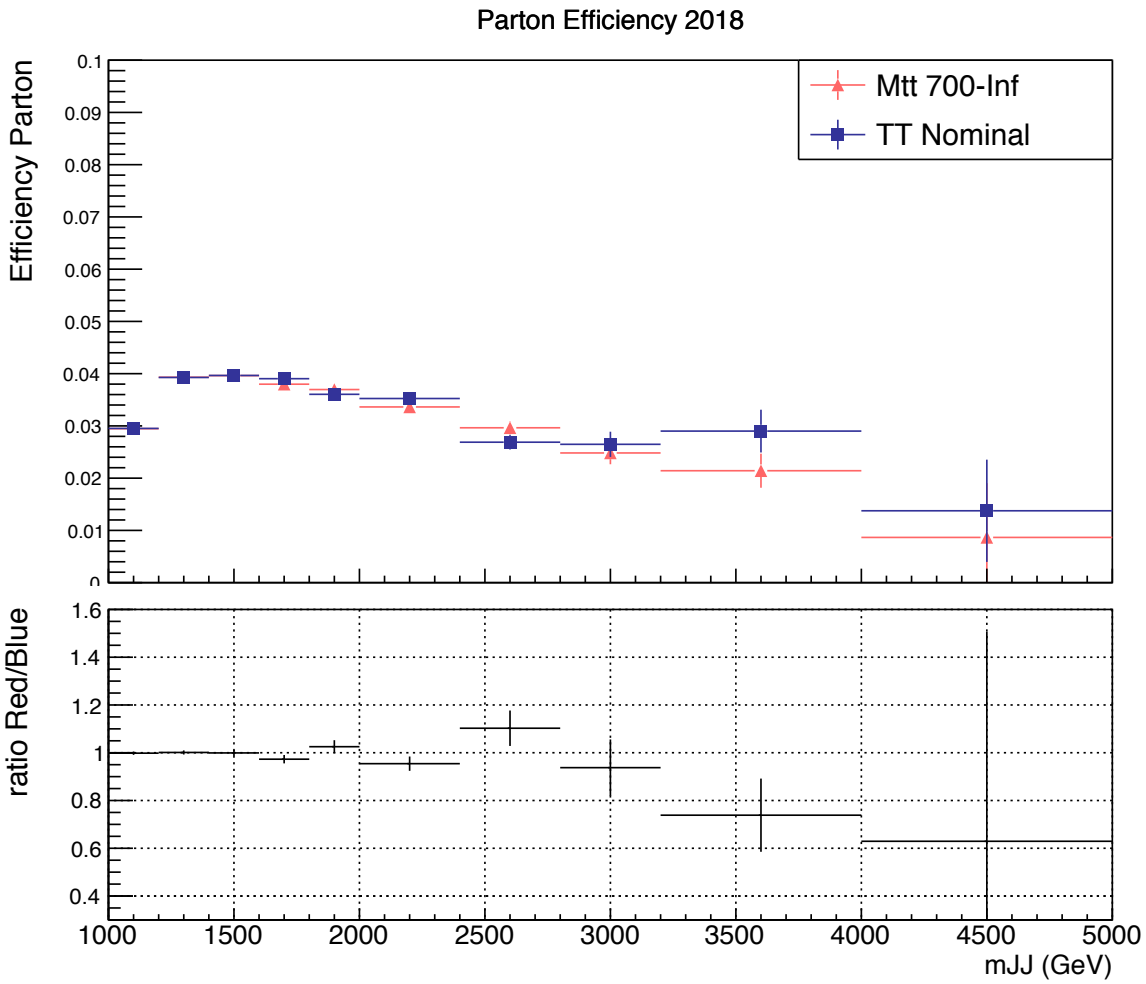
Efficiency from Nominal MC and High Mtt



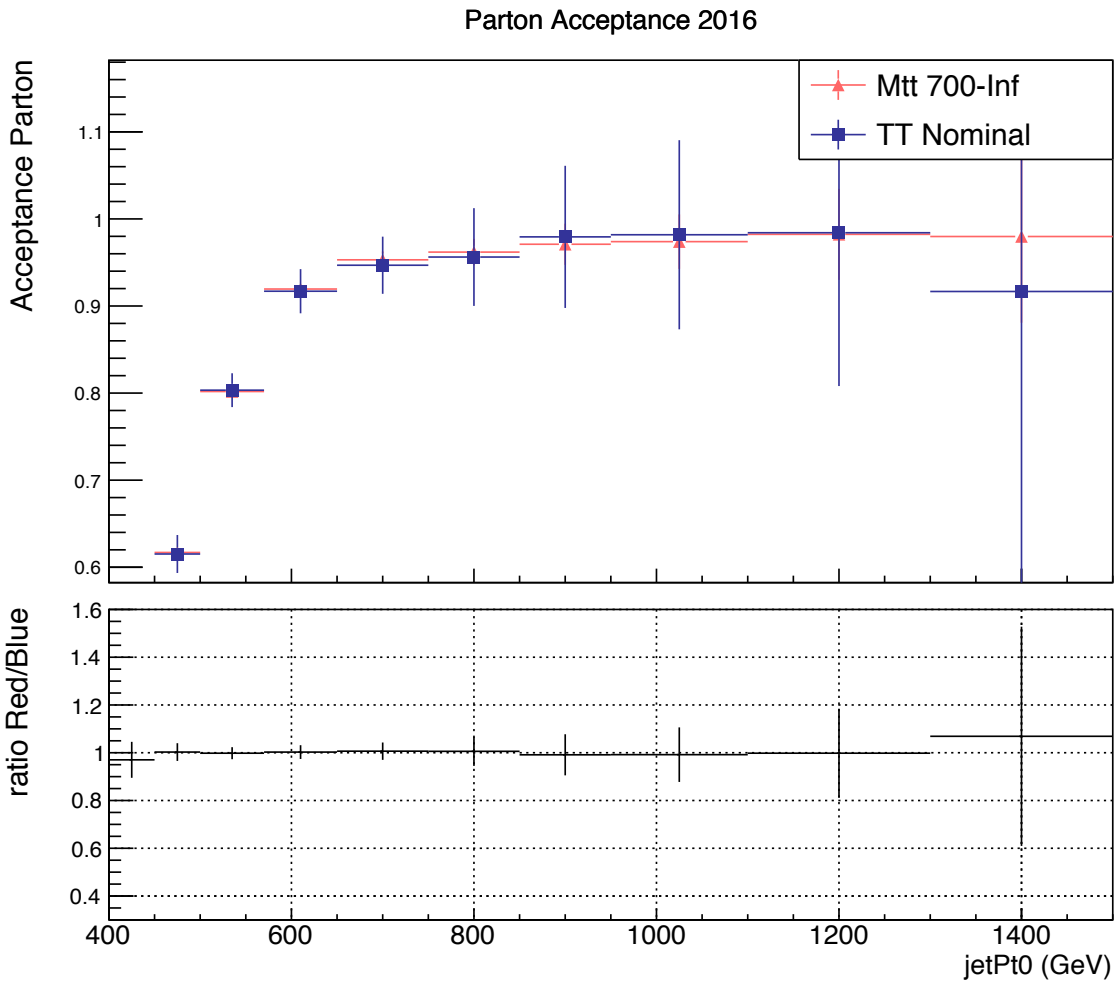


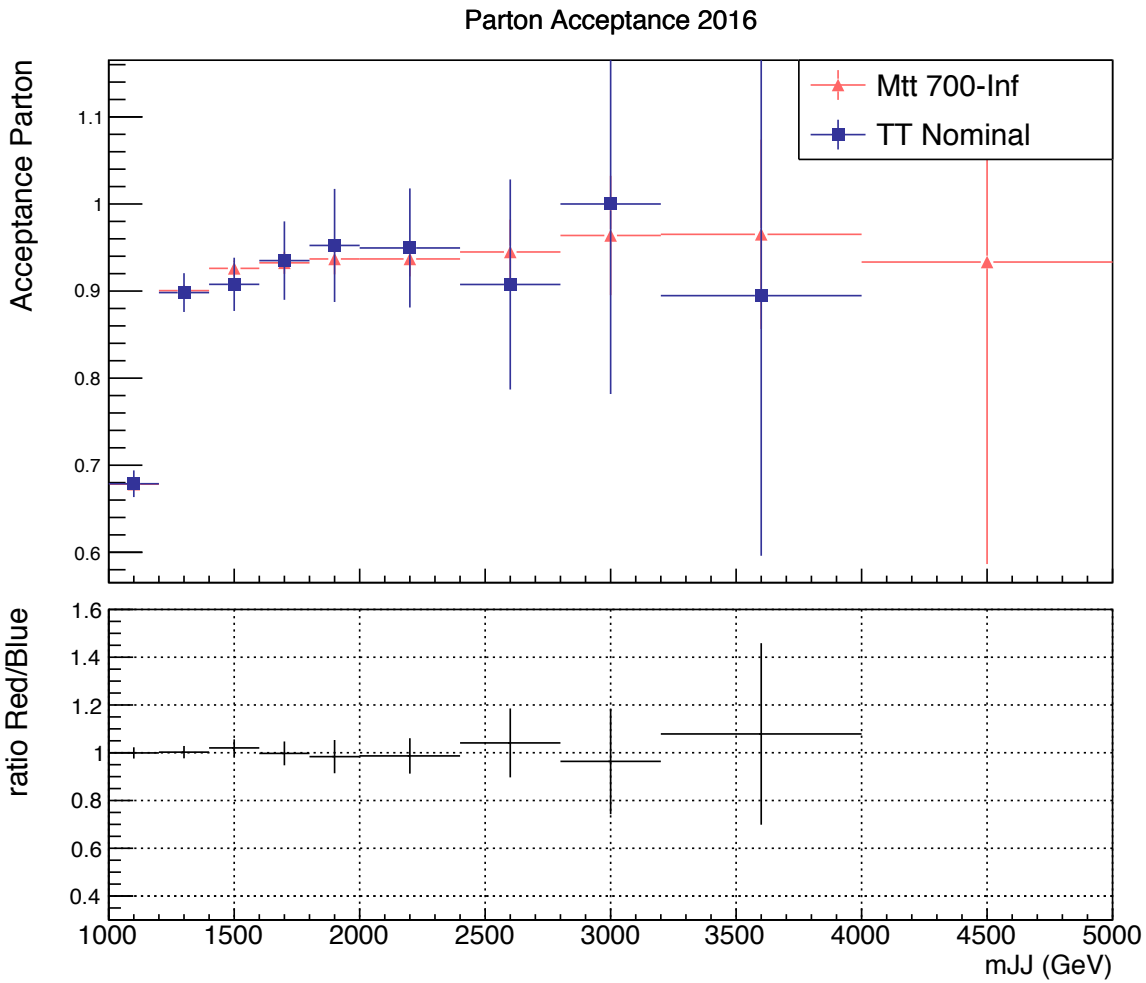
Efficiency from Nominal MC and high Mtt



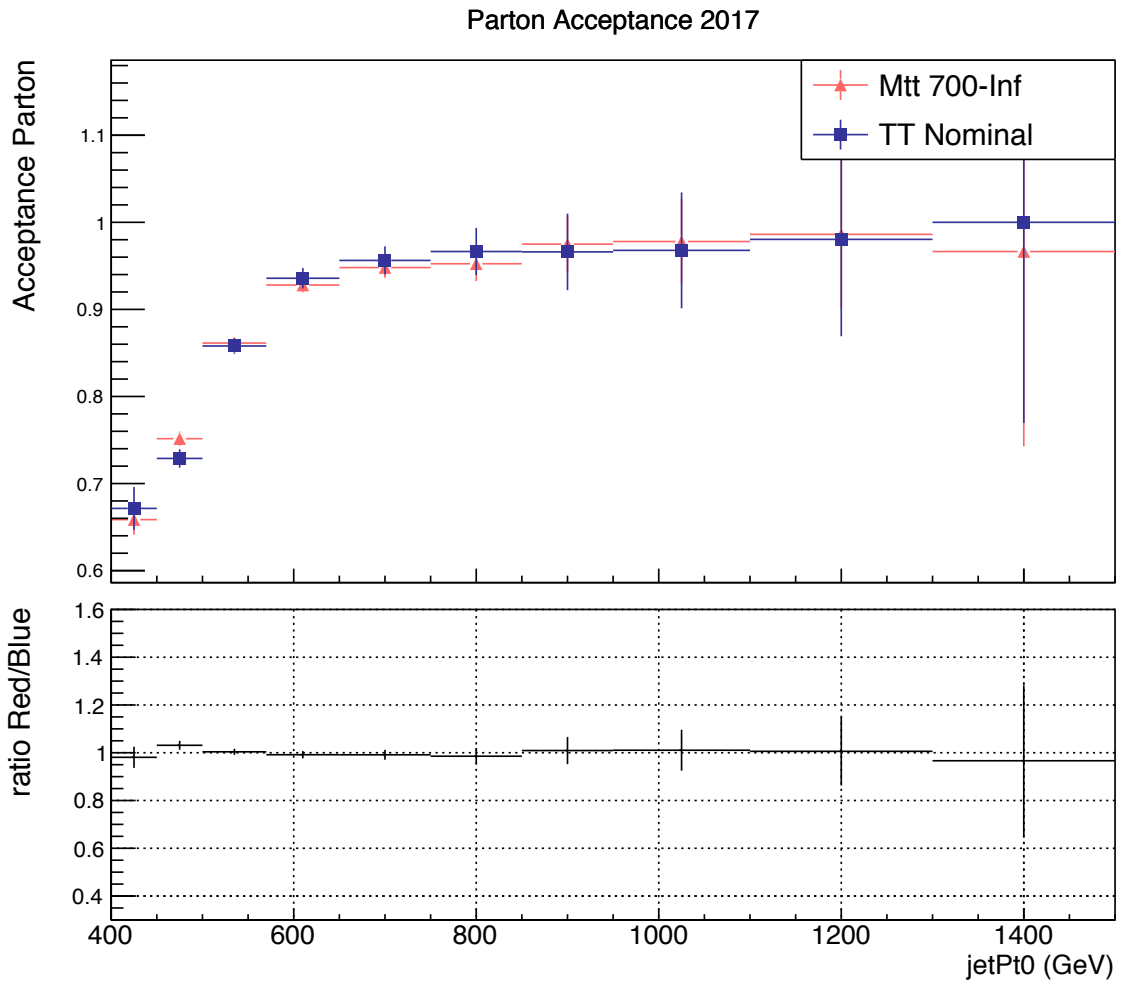


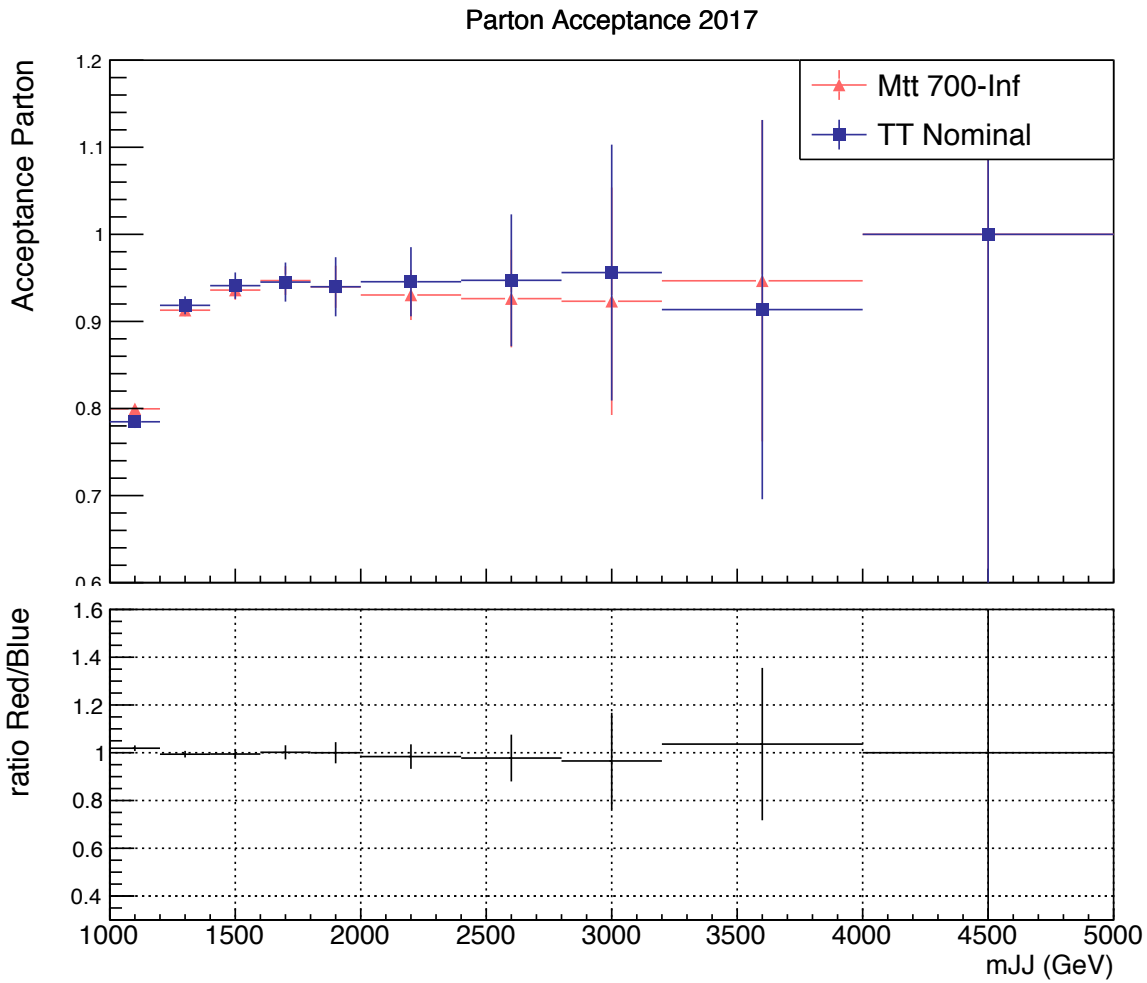
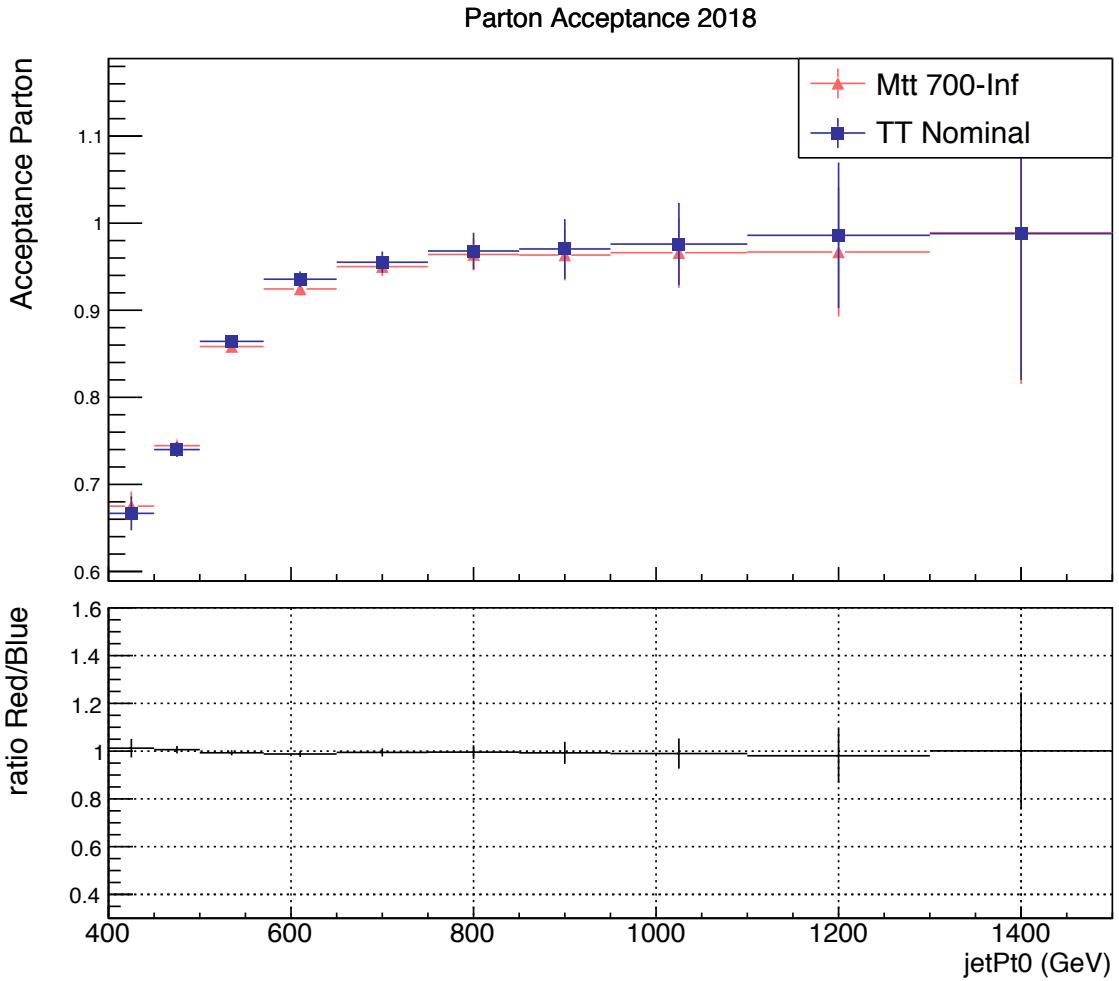
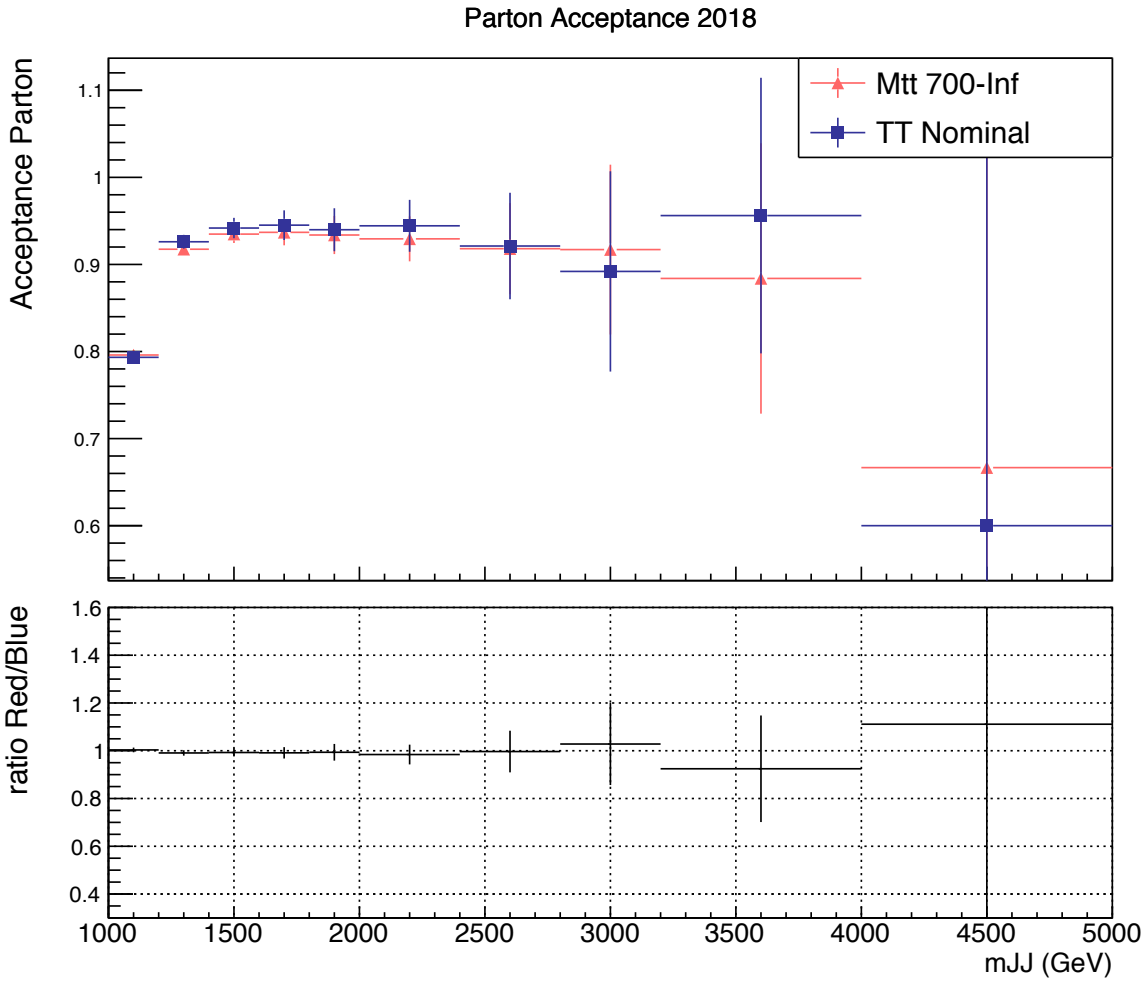
Acceptance from Nominal MC and high Mtt





Acceptance from Nominal MC and high Mtt





Acceptance from Nominal MC and high Mtt