

$H \rightarrow W W + 2 \text{ jets}$ Analysis



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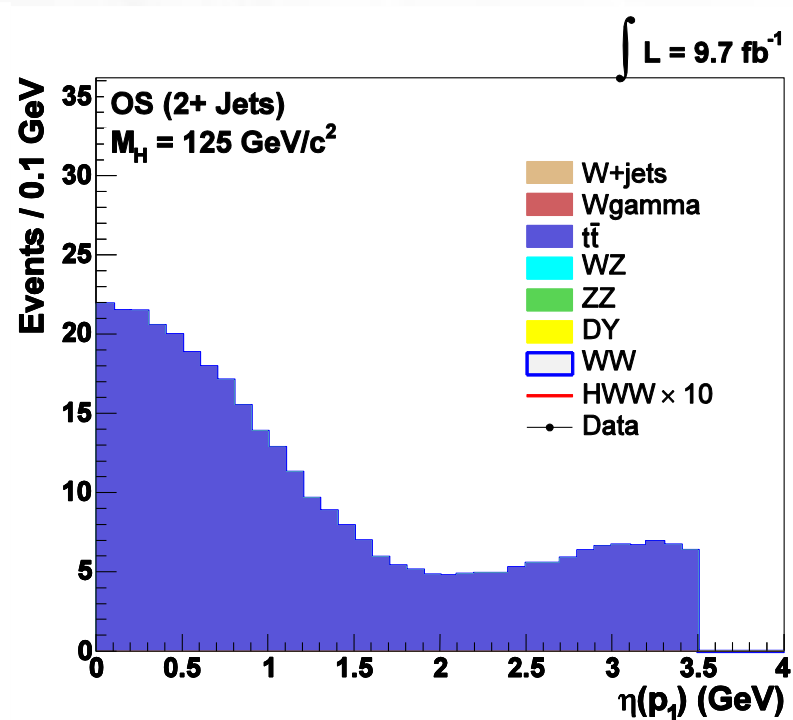
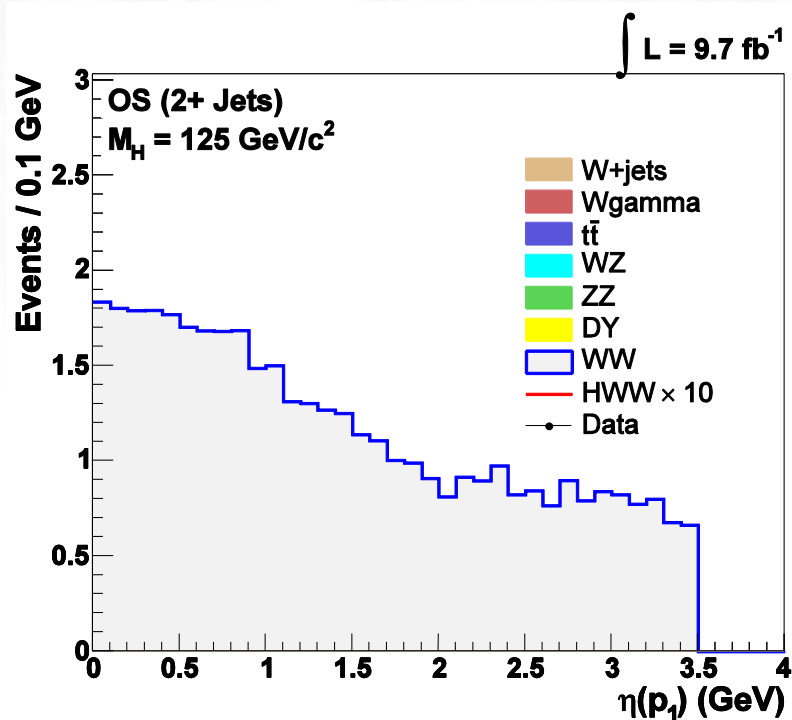
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Parton Eta Distributions

- Found excess at large eta in ttbar parton 1
- Found similar excess in WW



Extra Partons in WW

Initial Partons

WW->leptons
(not shown)

Extra Partons

Final Partons
(matched to jets)

Parton 0 Info:
Et: 1.24841
Eta: 6.36754
Phi: 0.0707644
PDG: 2
E: 363.676
Pz: 363.674
Mother: -999

Parton 11 Info:
Et: 21.5248
Eta: 2.63353
Phi: 2.64413
PDG: 2
E: 150.616
Pz: 149.07
Mother: -999

Parton 13 Info:
Et: 43.1639
Eta: 0.425354
Phi: -3.06114
PDG: 21
E: 47.1278
Pz: -18.9186
Mother: -999

Parton 1 Info:
Et: 1.19038
Eta: 5.95828
Phi: -2.6907
PDG: -2
E: 230.307
Pz: -230.304
Mother: -999

Parton 12 Info:
Et: 8.32556
Eta: 3.83803
Phi: 2.13019
PDG: -2
E: 193.385
Pz: -193.205
Mother: -999

Parton 14 Info:
Et: 75.6237
Eta: 0.321388
Phi: -2.07933
PDG: 21
E: 79.5631
Pz: -24.7252
Mother: -999

Note: In WW and Z, we know how many partons each event was generated with. Can we use this?