



Weekly Report

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4W Background



- signal: $pp \rightarrow H \rightarrow hh \rightarrow ww^* ww^*$
- background: $pp \rightarrow tt\bar{t}h$

events selection

number of jet ≥ 4

number of leptons=2



4W Background

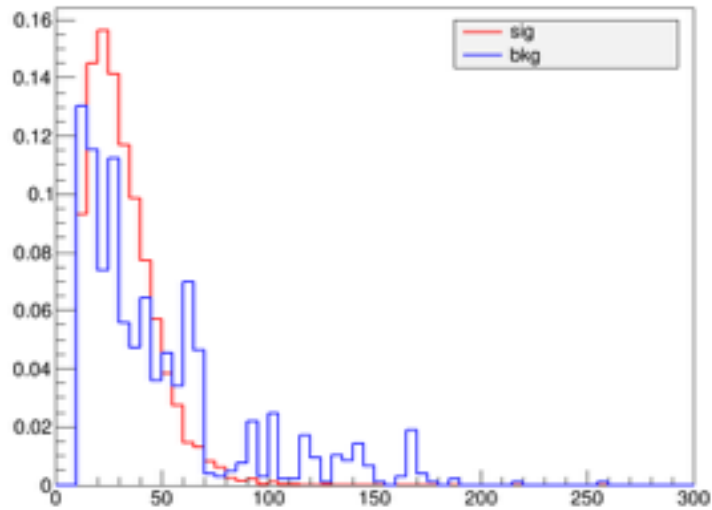


total signal events: 50000
total background events: 400000

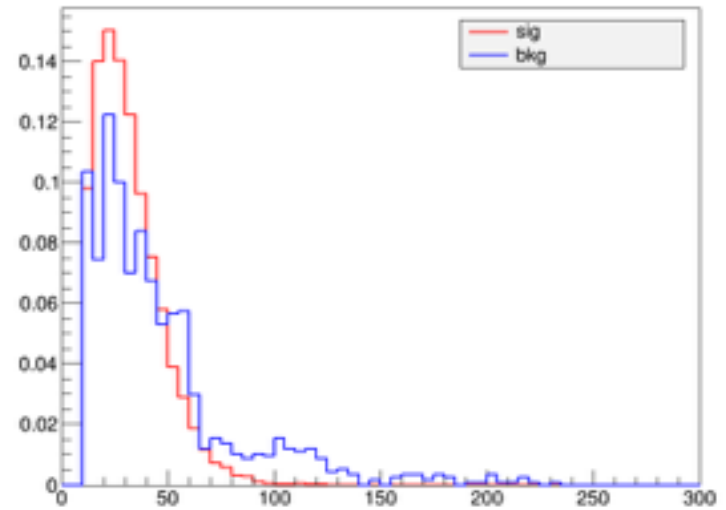
sig after selection: 7392
background after selection: 1114 (now)

lepton PT @13TeV

Positron PT

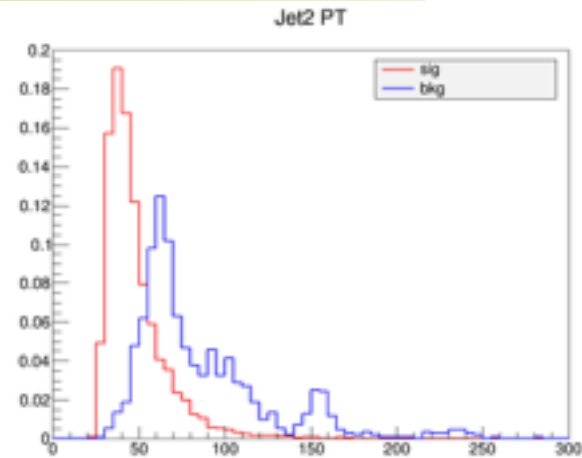
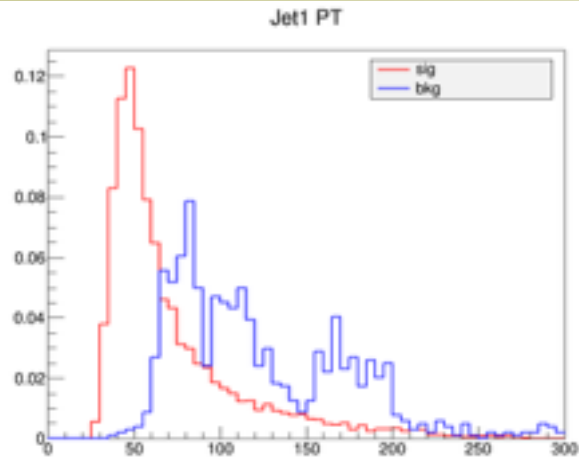


Antimuon PT

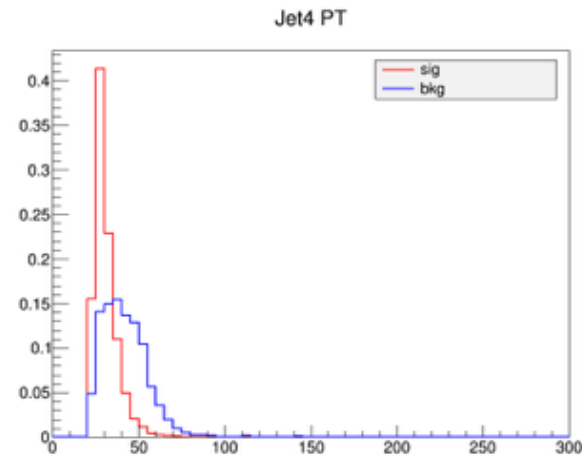
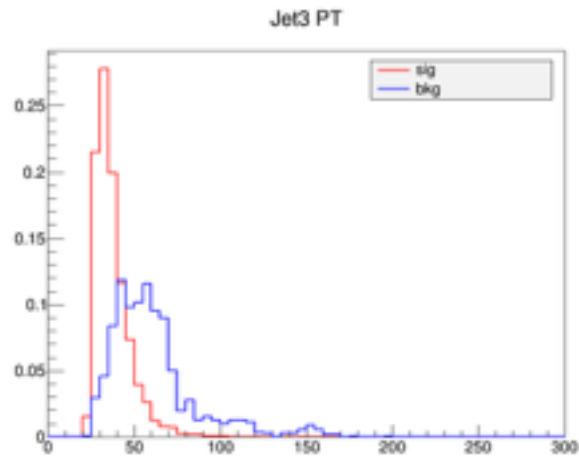




4W Background



Jet pt @13TeV





4W Background



Mass: M_{j1j2}, M_{j3j4}

