

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



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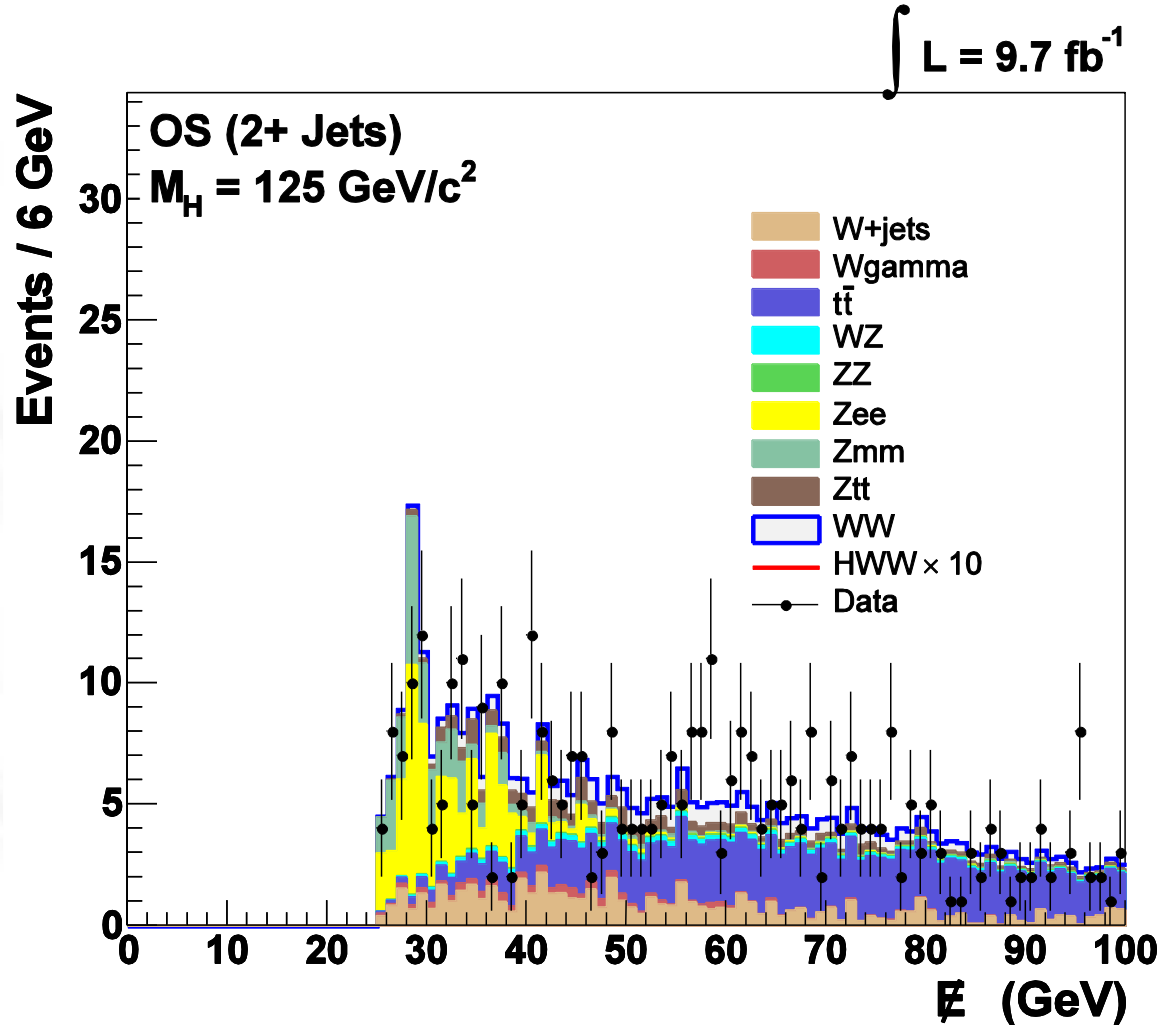


Will Parker

University of Wisconsin – Madison

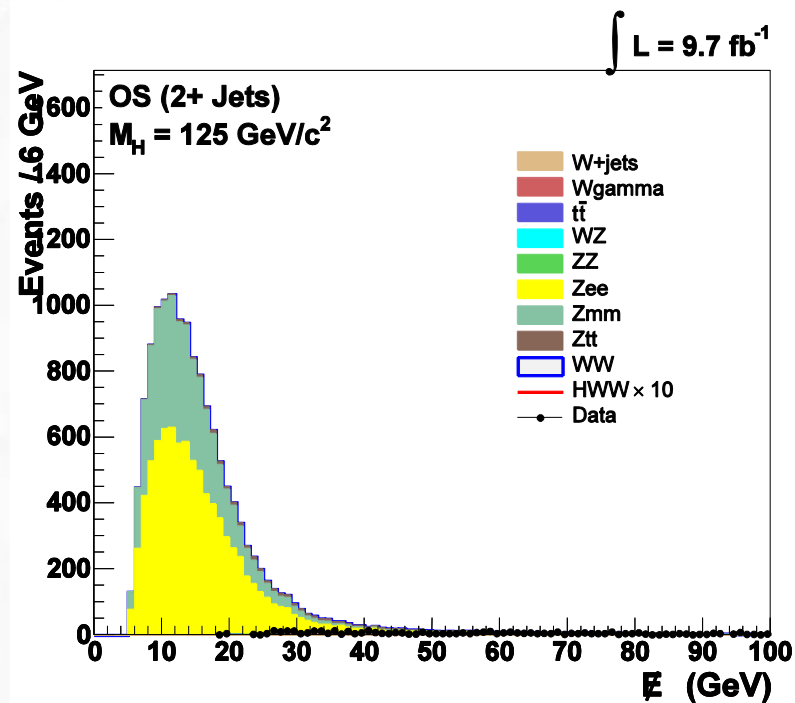
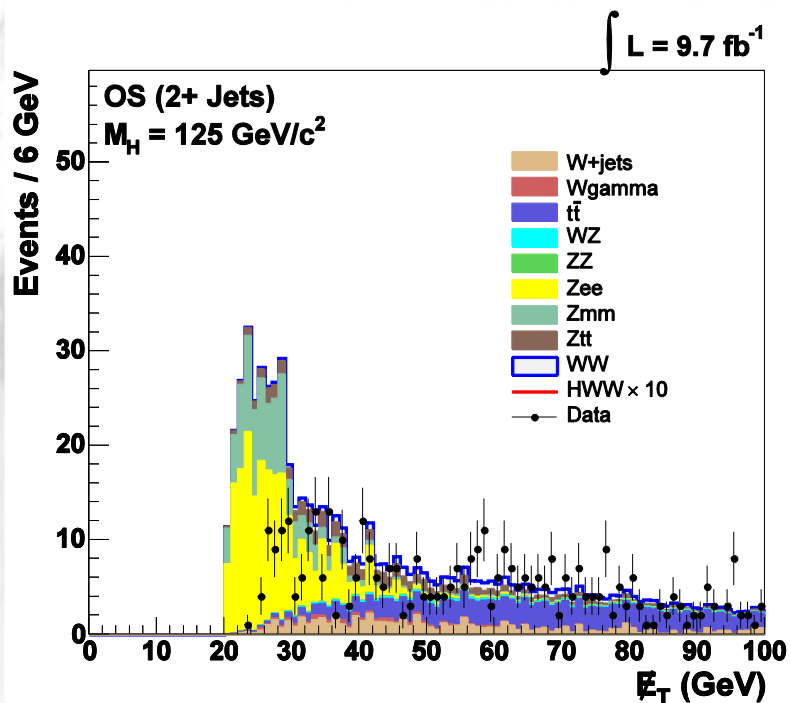
07/30/12

Drell-Yan Met Peak

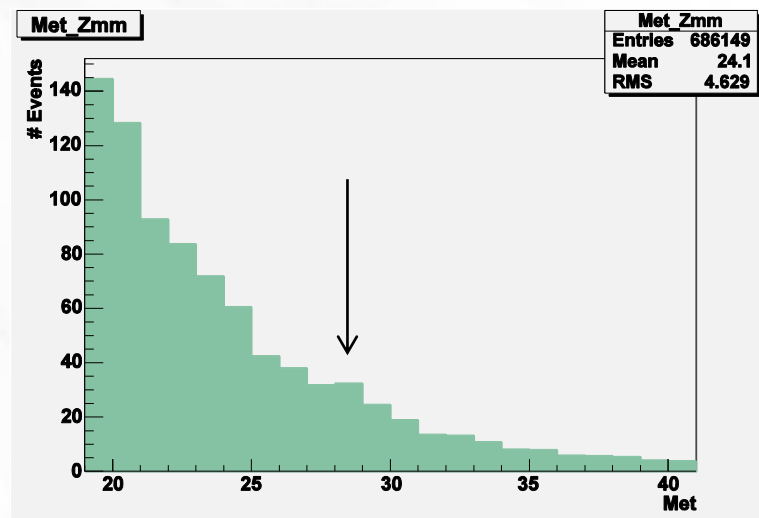
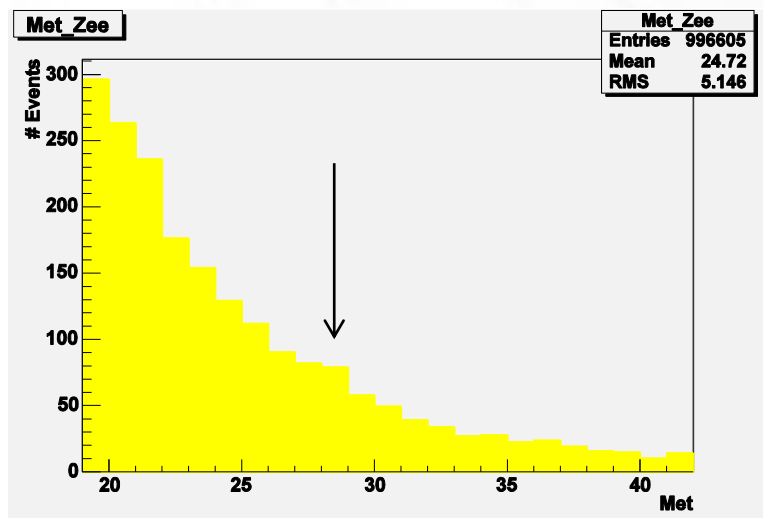


Missing Et with a 25 GeV MetSpec cut

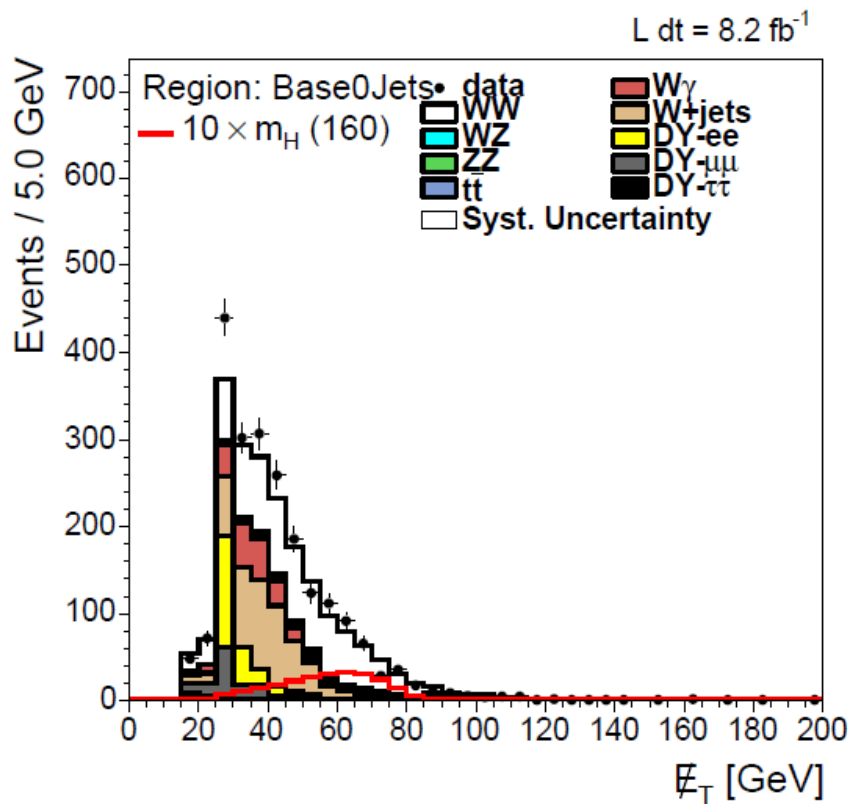
Varying the MetSpec cut



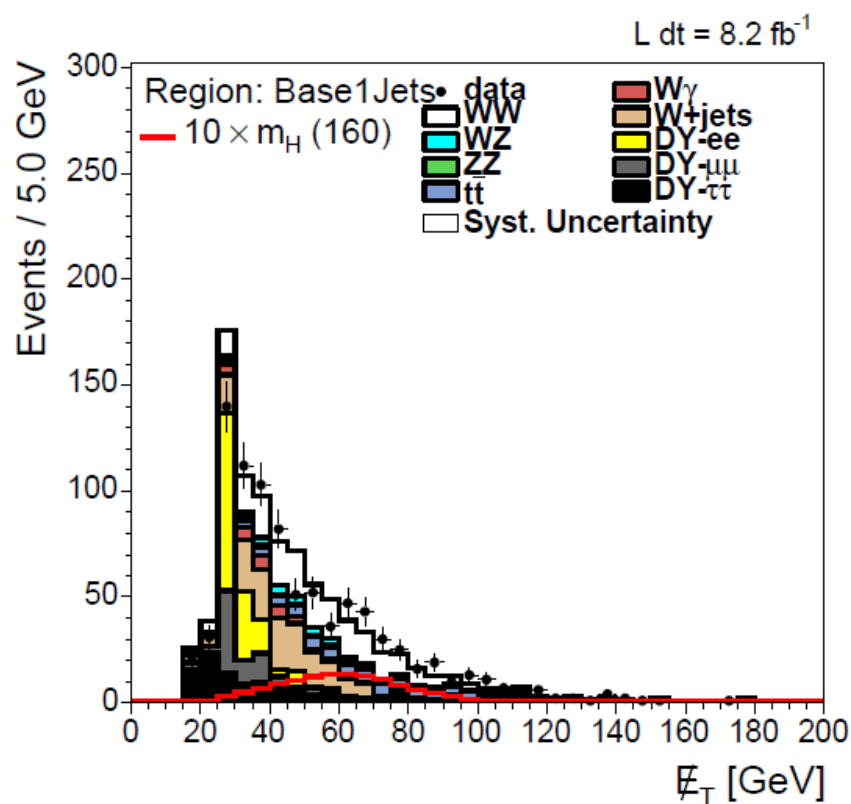
Met with a 20 GeV MetSpec cut (left) and a 5 GeV MetSpec cut (right)



0 and 1 Jet Regions



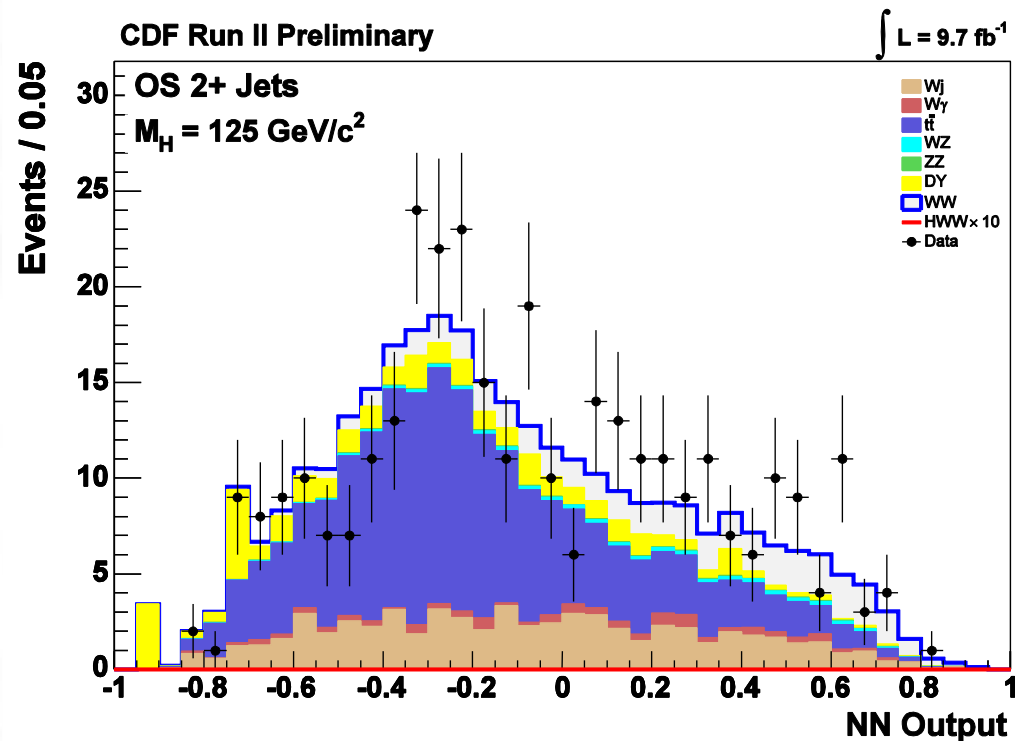
0 Jets



1 Jet

Having problems making <2jet region plots, these are from a draft of the Higgs note

WW Neural Net



To Do:

- Optimize
 - HOBIT operating point
 - Neural Net cut – Done, best $S/\sqrt{S+B}$ = 2.79, cutting at 0
 - Neural Net variables