

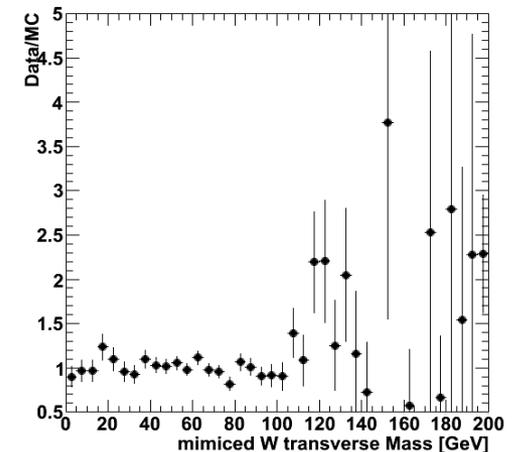
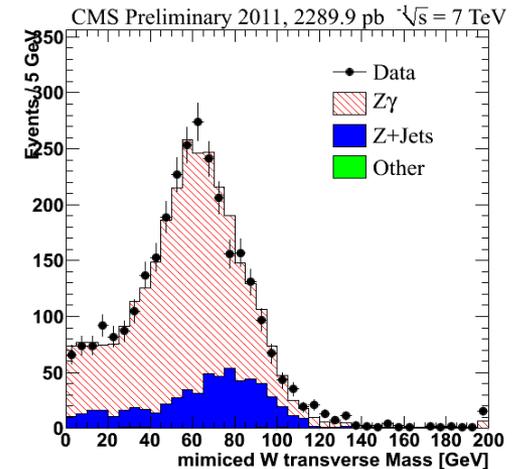
Update on $Z\gamma$

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Mimicked WTM

- Apply $W\gamma \rightarrow \mu\nu\gamma$ selection where applicable on $Z\gamma$
 - Muon ID same as in $\mu\mu\gamma$, except $|\eta| < 2.1$ and HLT
- Take randomly one of the leptons and count it as MET
 - Add vectors to get mimicked MET
- Calculate mimicked W transverse mass





Summary

- No significant dependence observed on high WTM
- Checked $Z \rightarrow \mu\mu$ yields with $W\gamma$ muon ID and HLT
 - 1% level agreement in Z count
- Note and paper update with most recent results on $Z\gamma$ part