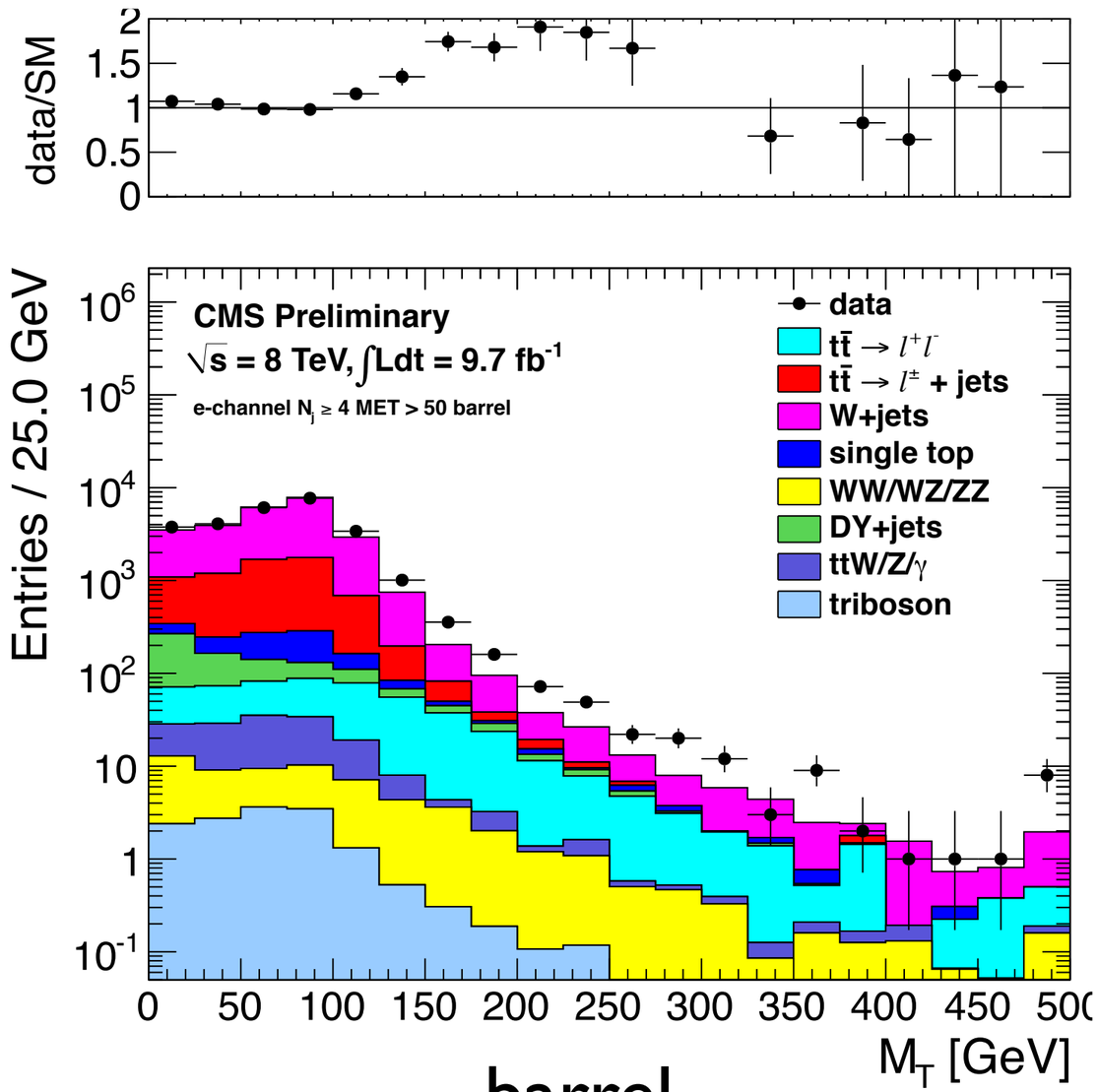
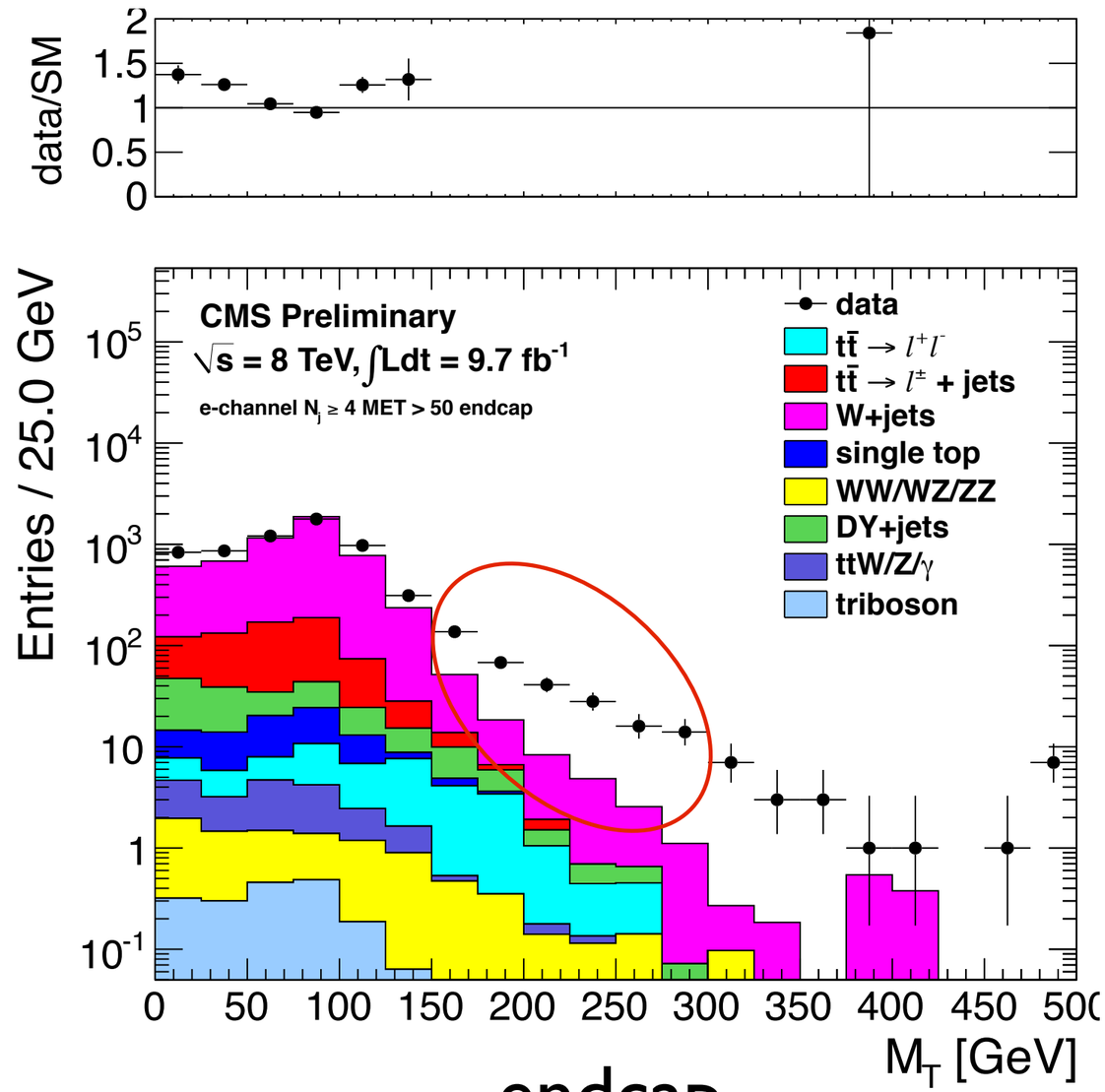
M_T for CR1 electrons



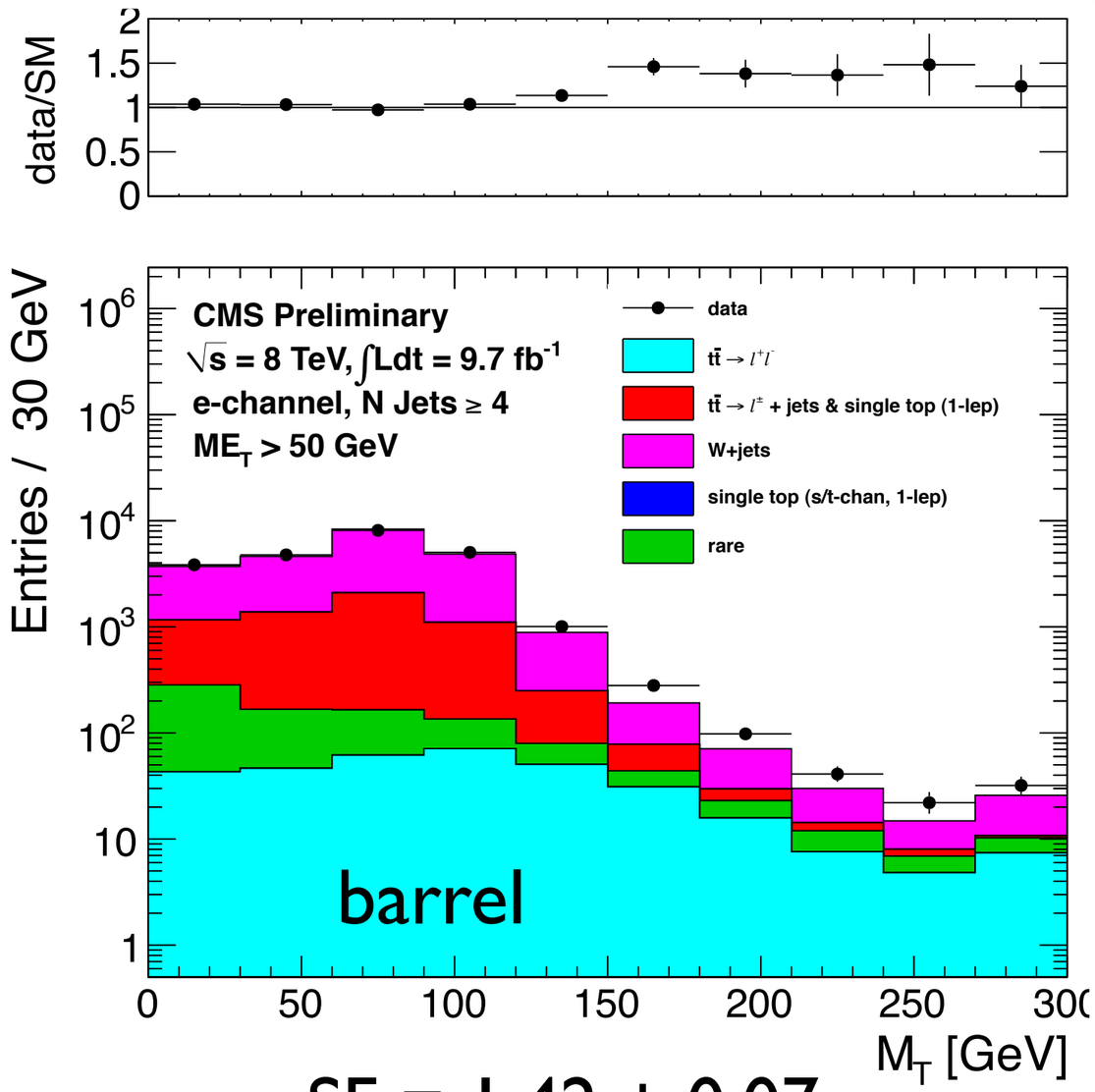
barrel



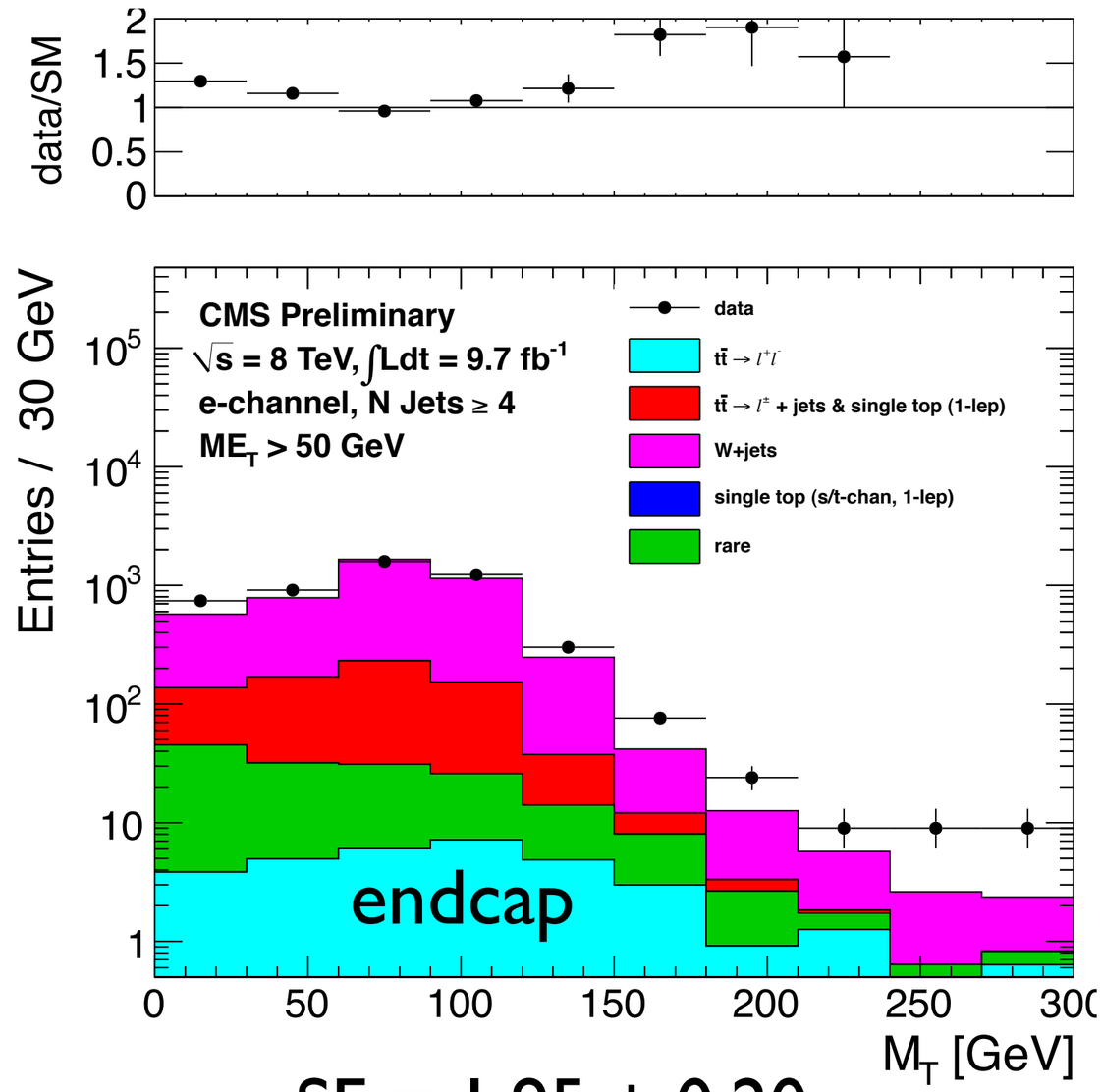
endcap

- Before the "cleaning" cuts of $|p_T^{PFlep} - p_T^{RECOlep}| < 10$ GeV, absolute iso < 5 GeV, and $E/p_{IN} < 4$ GeV

After cleaning, MET>50 GeV



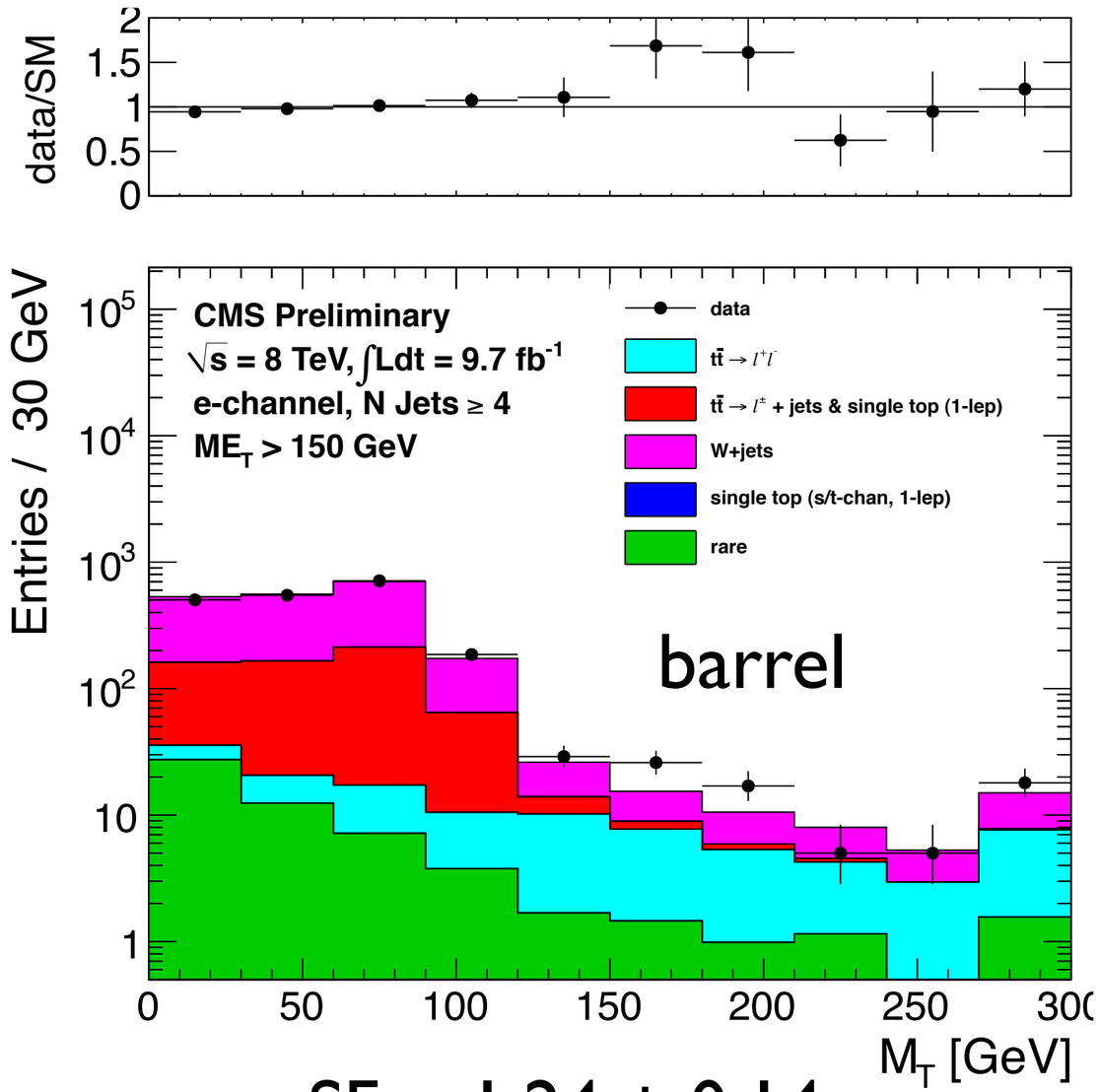
SF = 1.42 ± 0.07



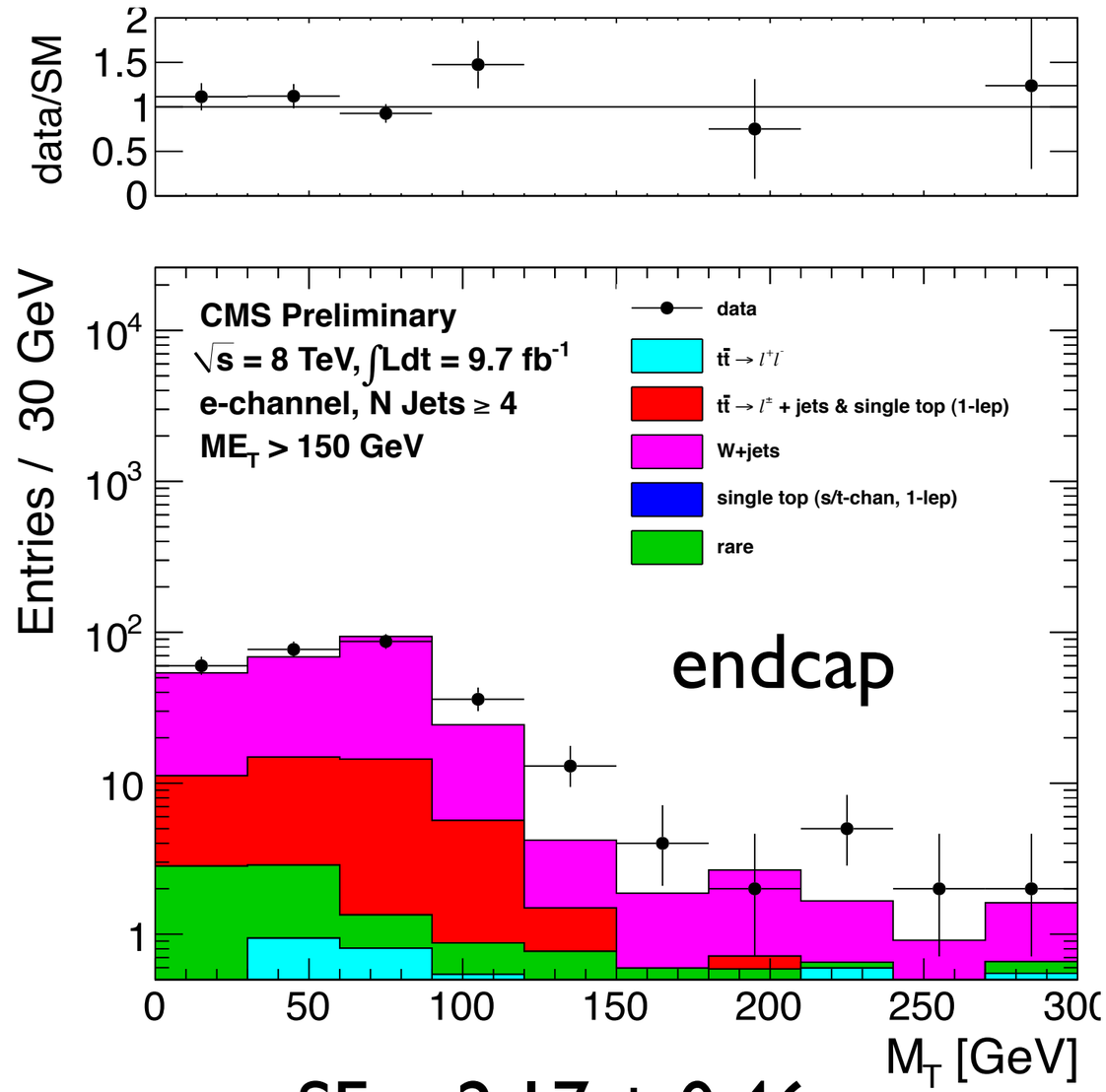
SF = 1.95 ± 0.20

- After the "cleaning" cuts
- SF from data/MC in tail (M_T>150 GeV) after normalising to peak

After cleaning, MET>150 GeV

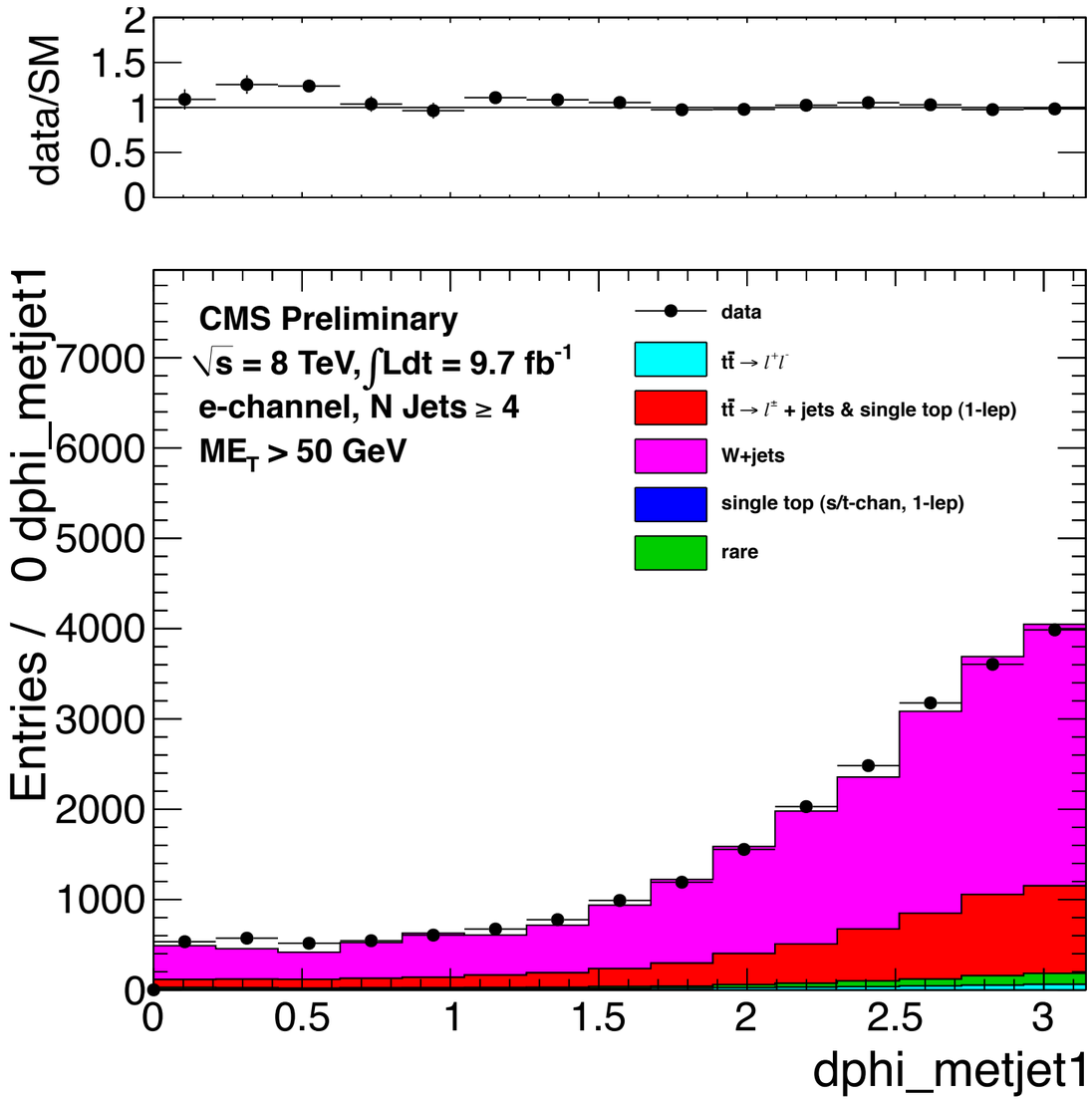


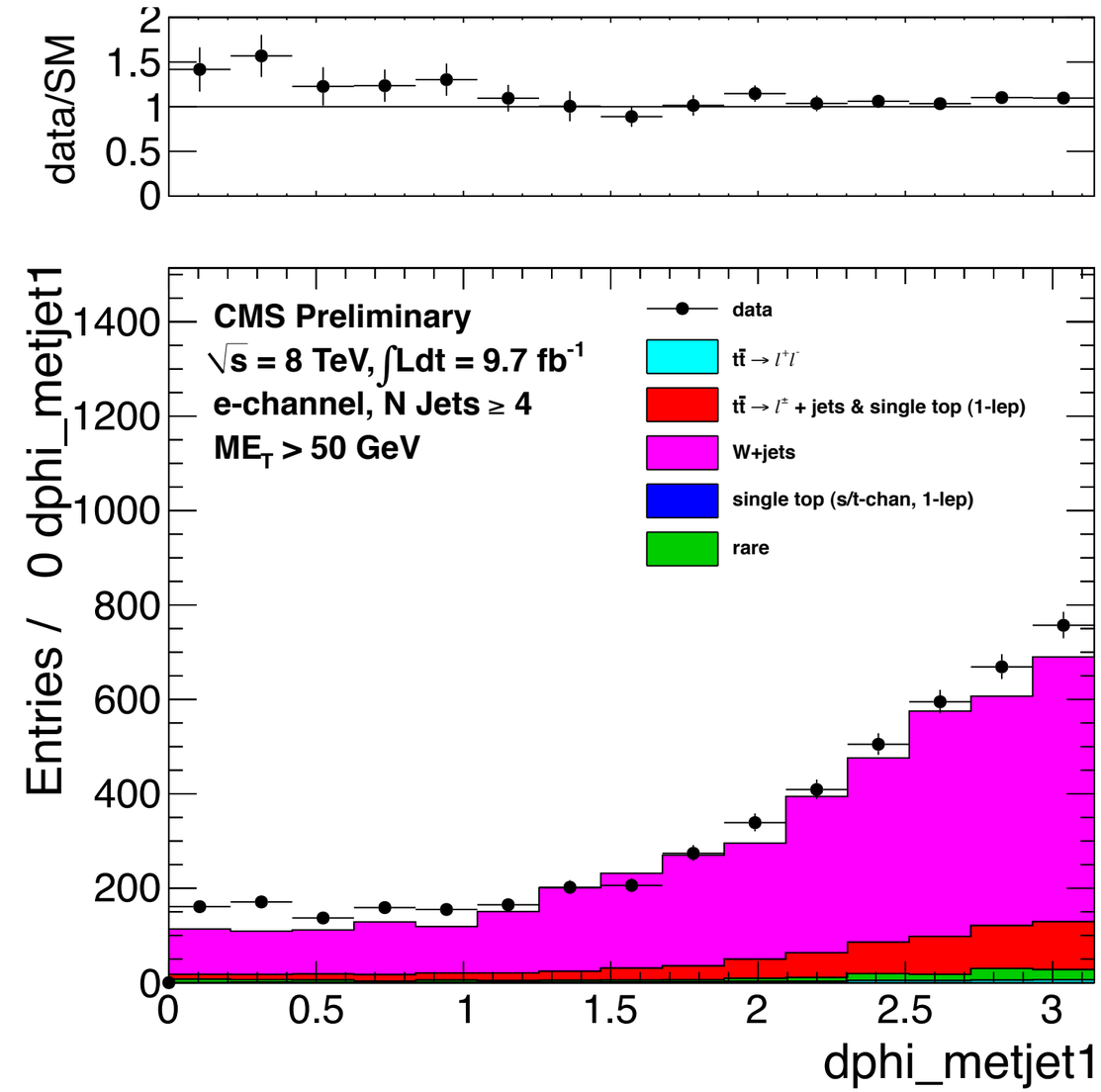
SF = 1.24 ± 0.14



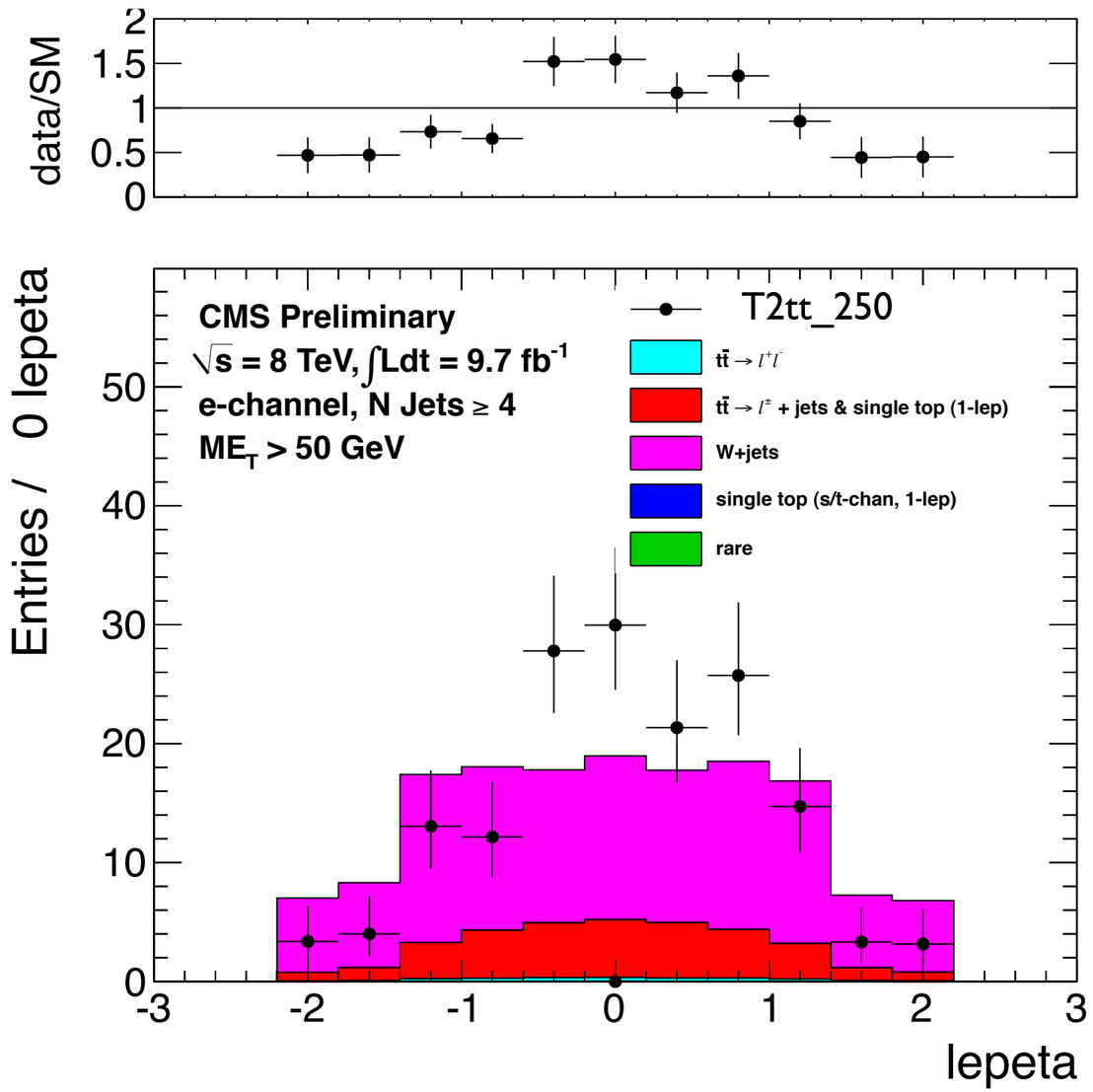
SF = 2.17 ± 0.46

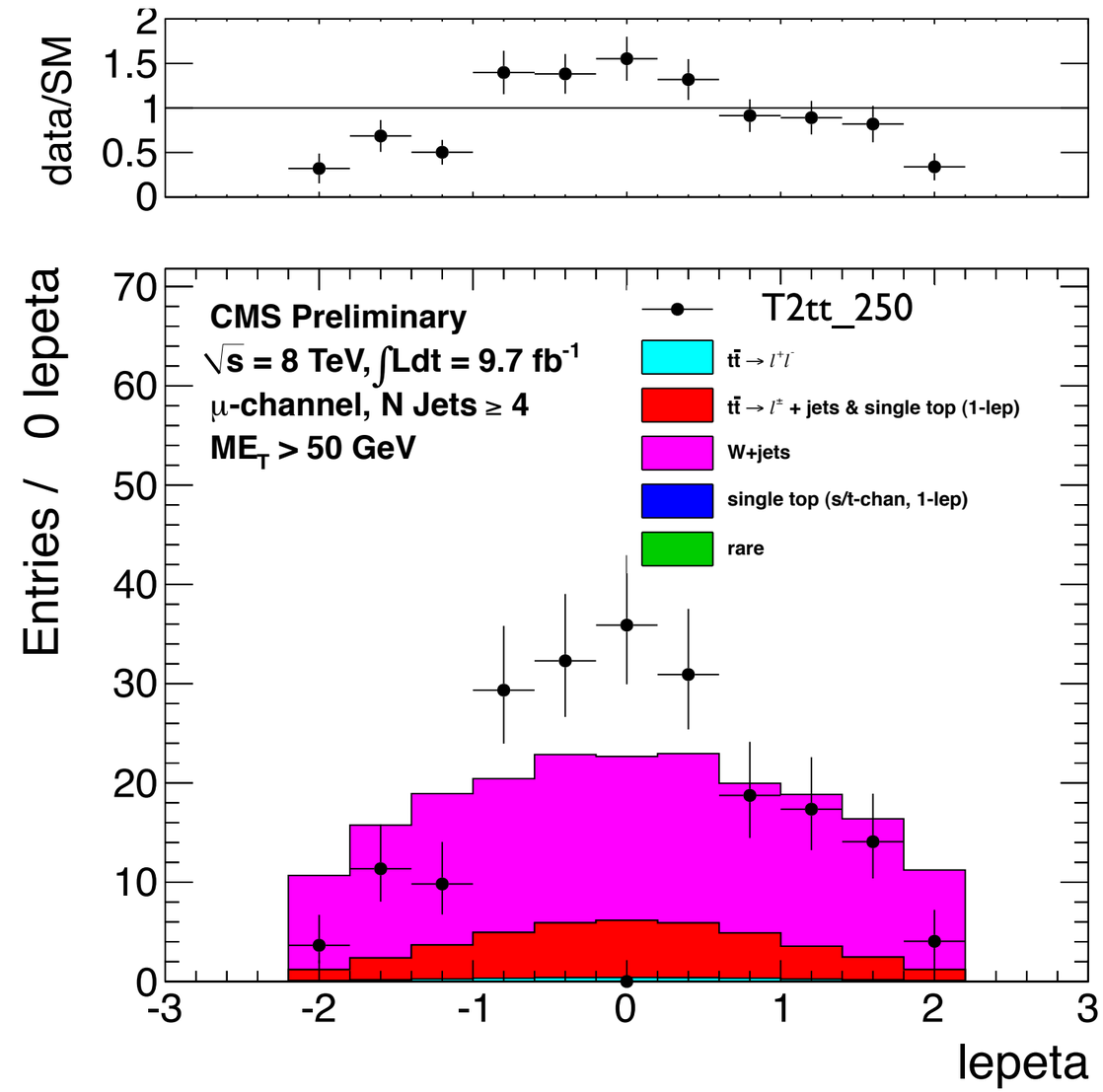
- After the "cleaning" cuts
- SF from data/MC in tail (M_T>120 GeV) after normalising to peak





- Not clear what causes the excess in the tail
- Look for variables with data-MC disagreement in endcap electrons but not barrel electrons or muons
- Only found this for dPhi(MET,leading jet)





- But we only gain <10% signal by adding endcap electrons.
- T2tt_250 above. More peaked at 0 for higher stop mass. Similar in signal region.