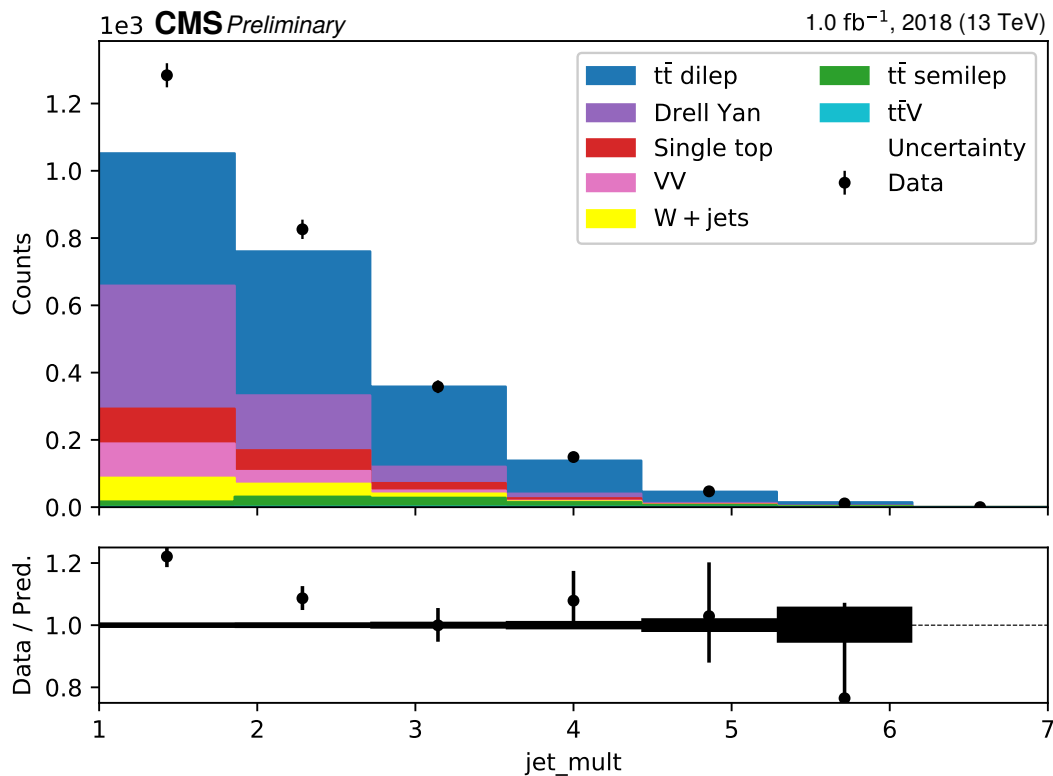
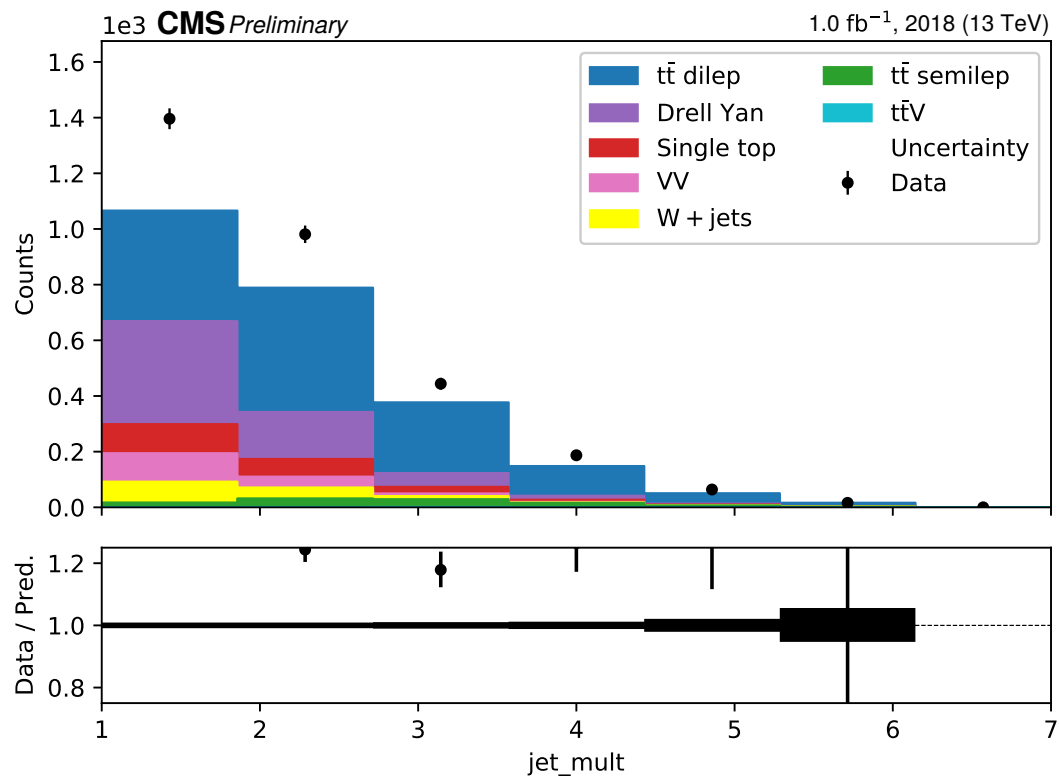
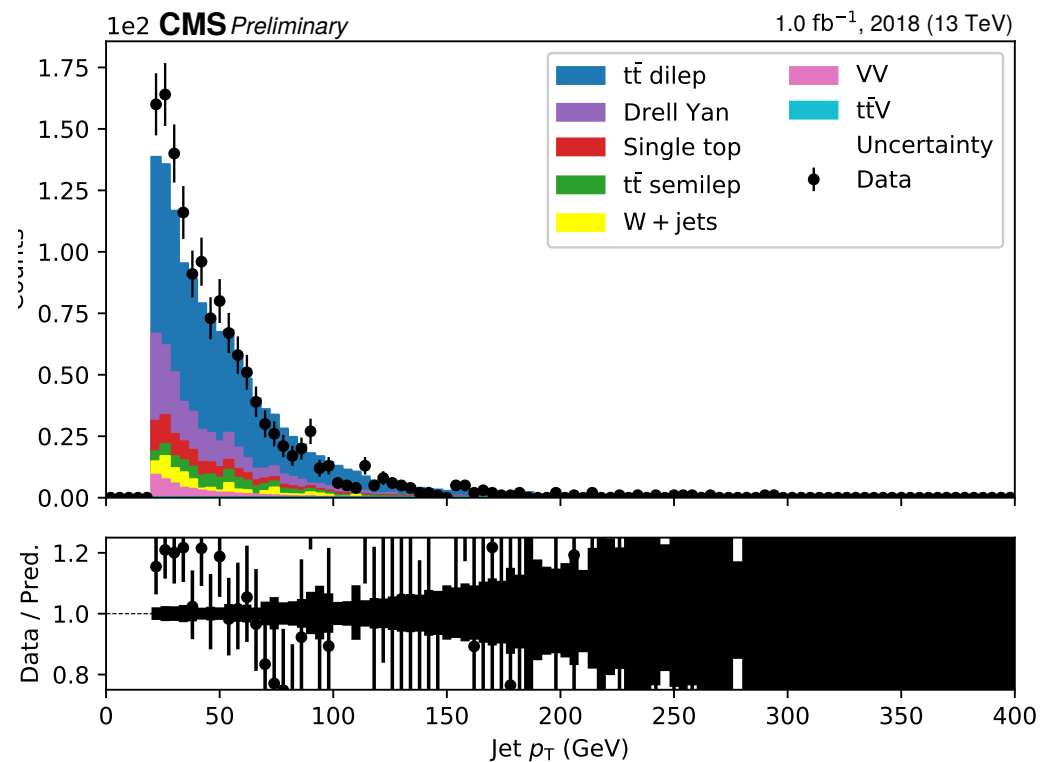
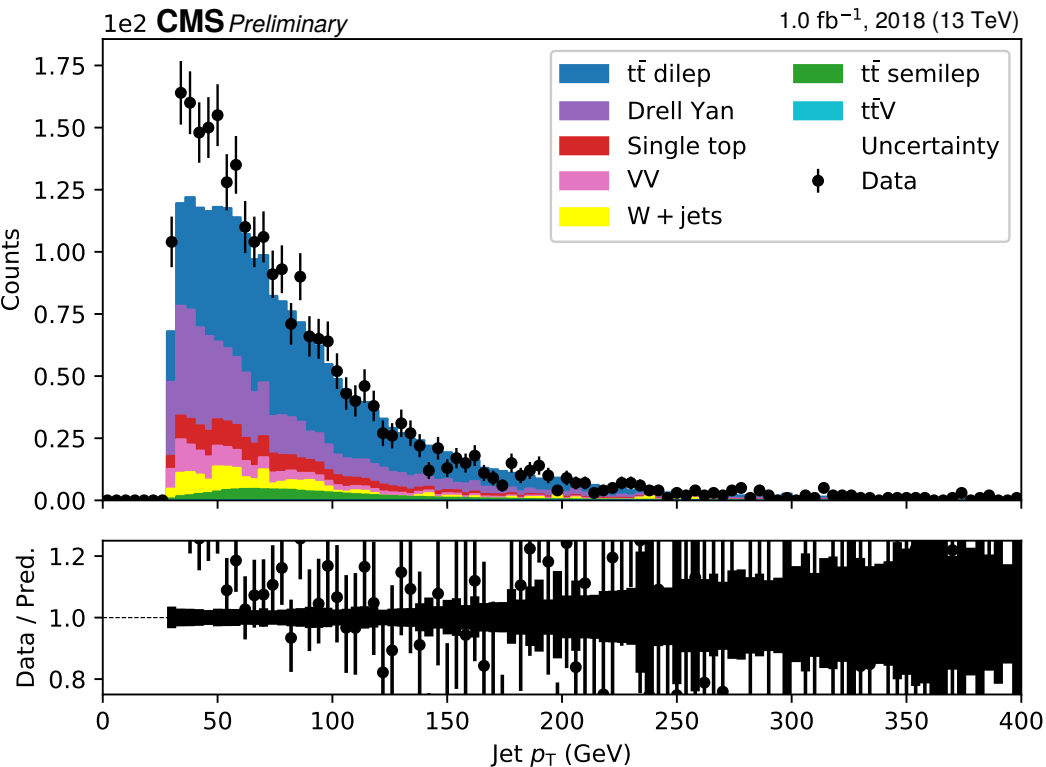


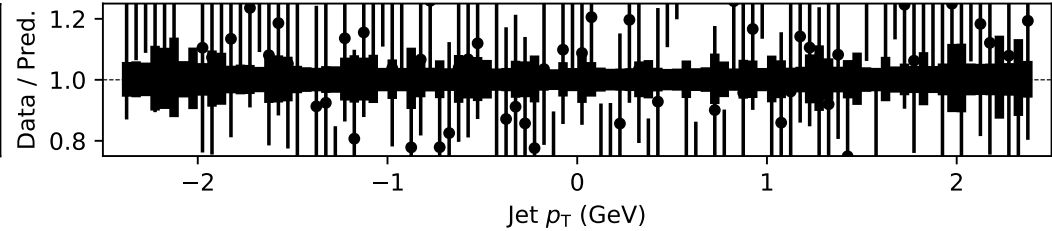
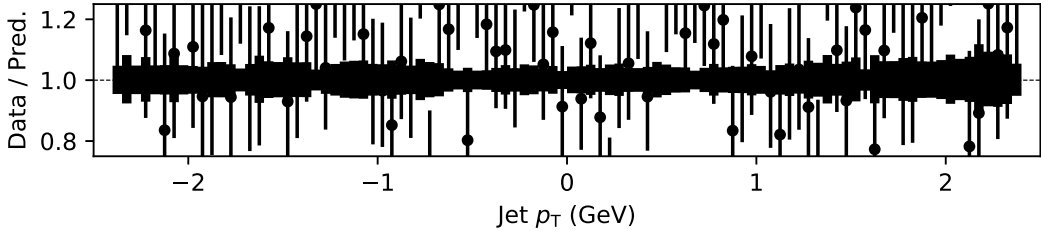
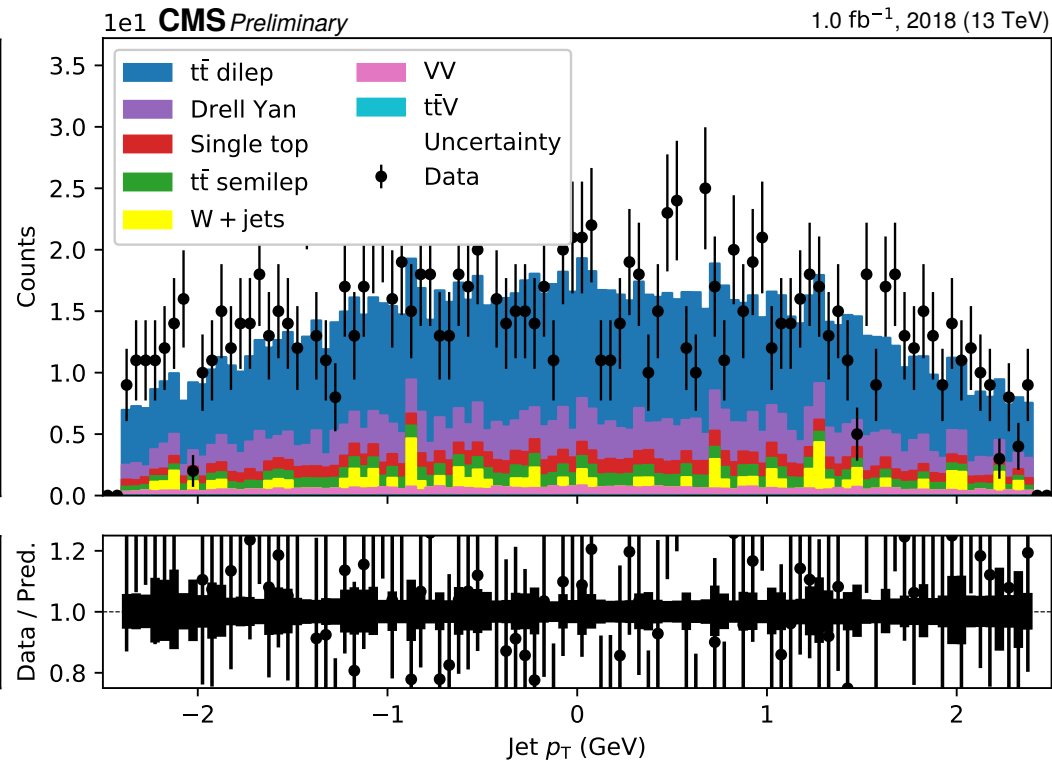
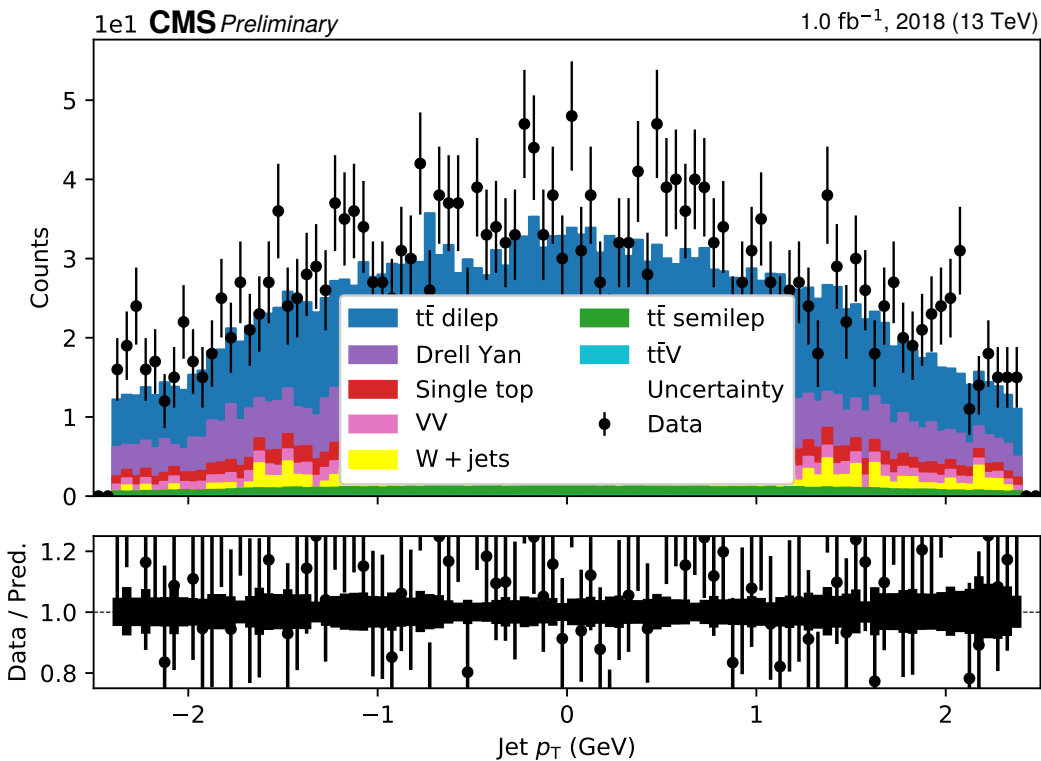
0b region- applying btag SFs



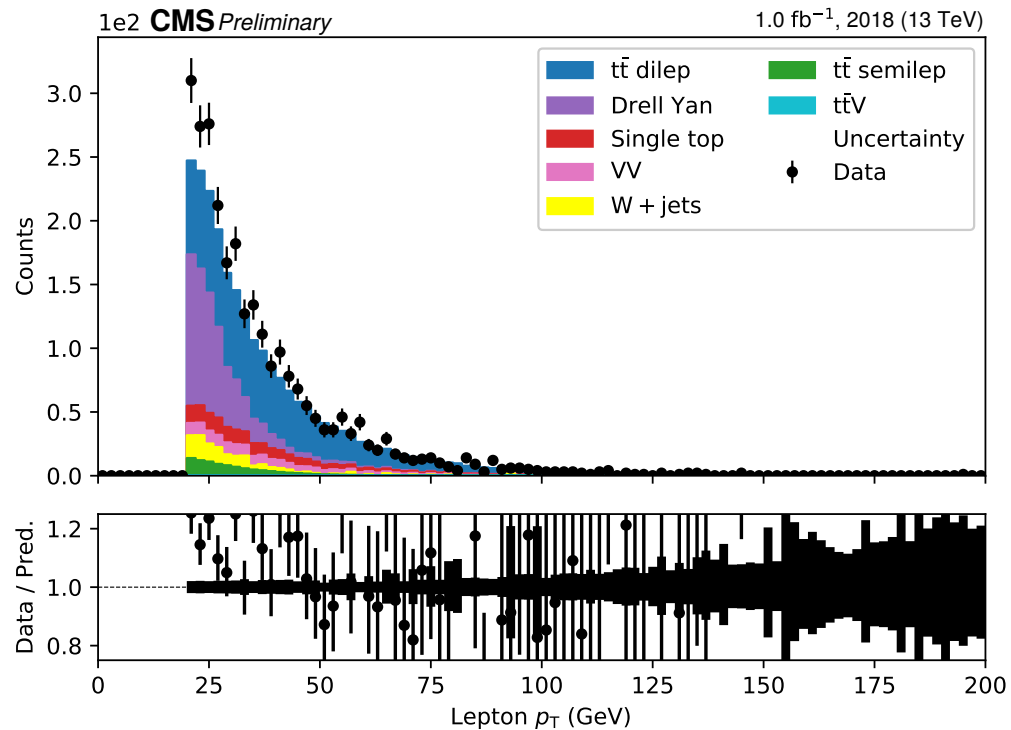
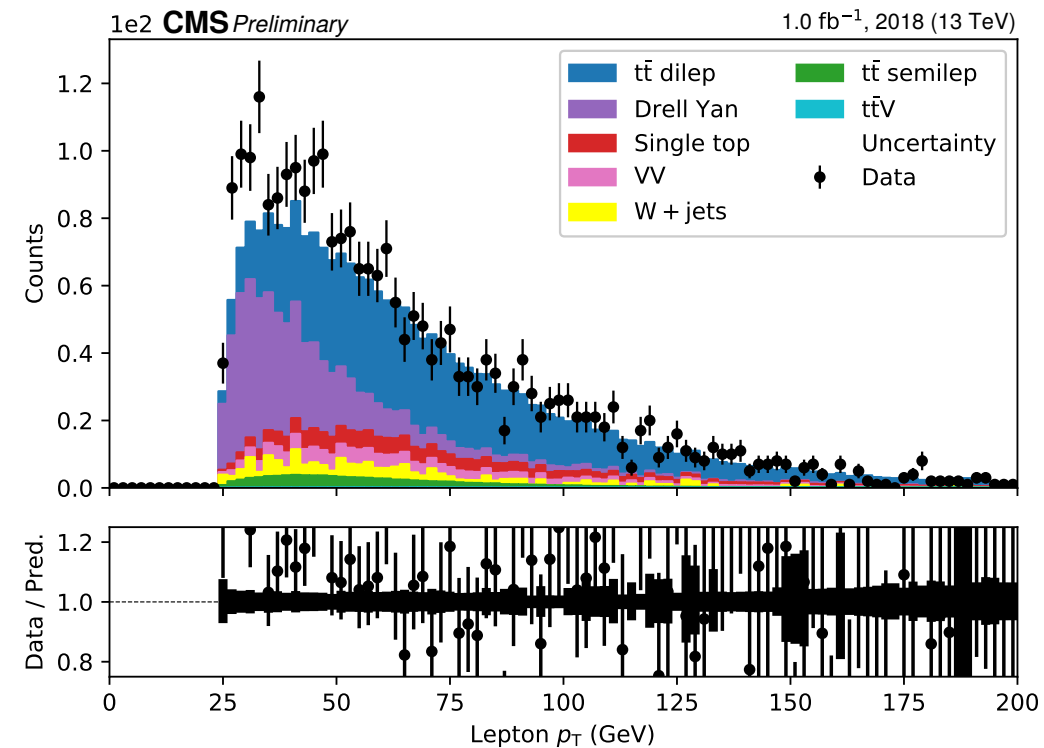
Jet pts



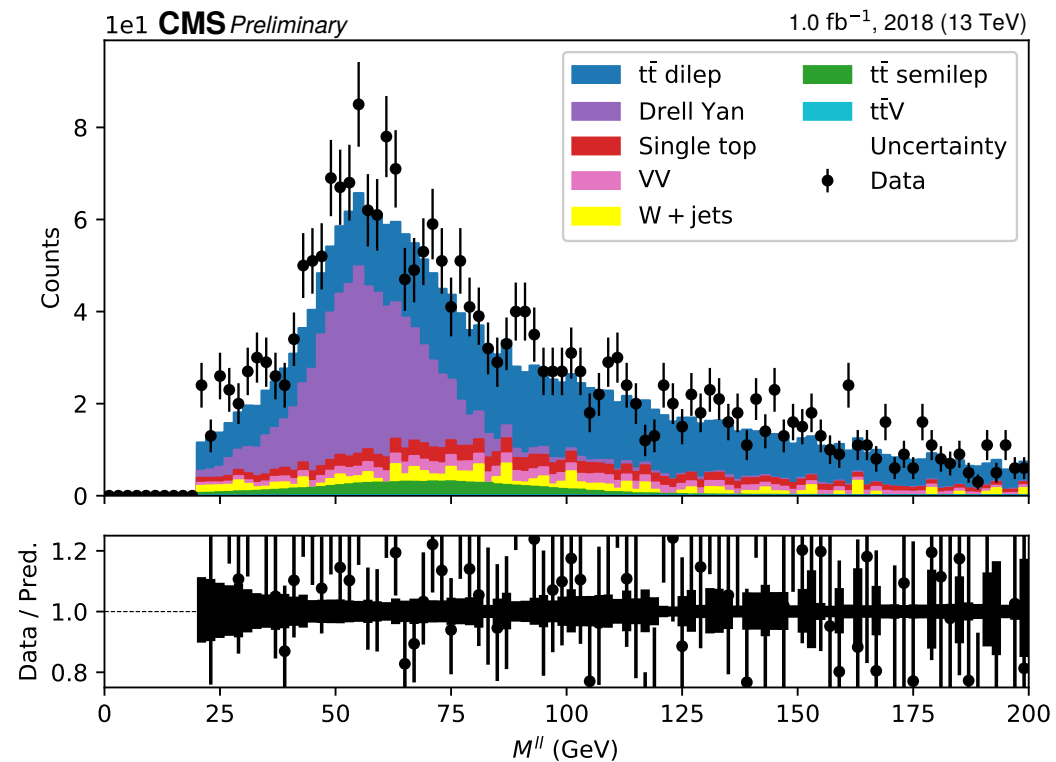
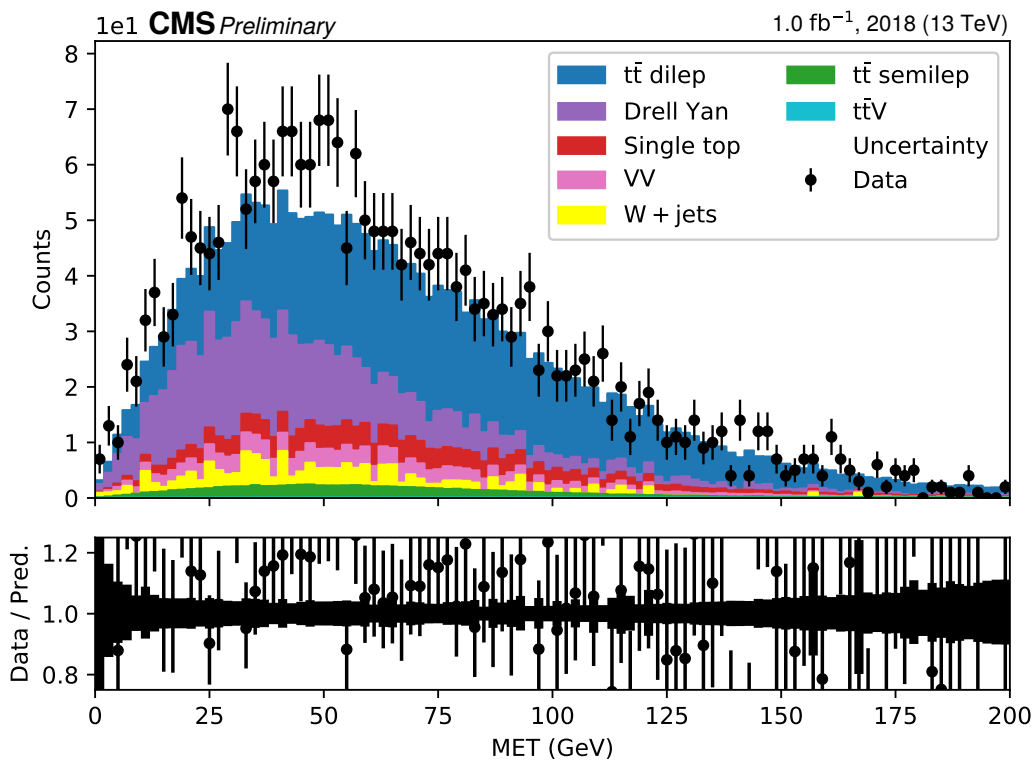
Jet etas



Lepton p_T



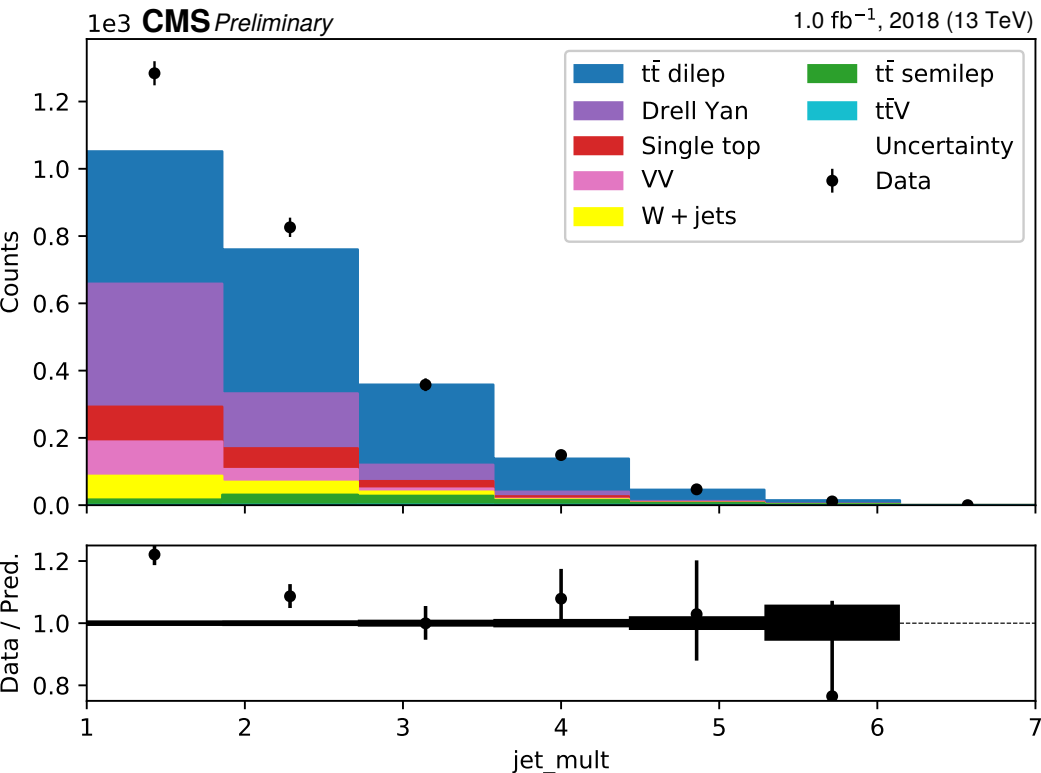
MET and MII



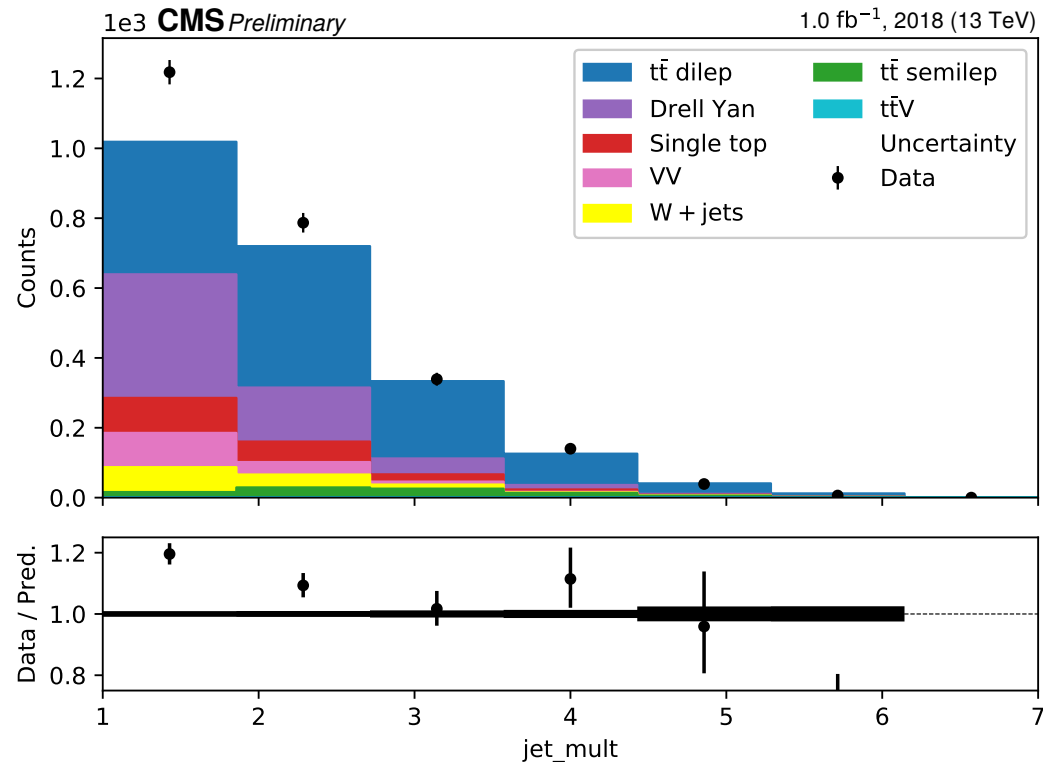
Comparison with arXiv:1811.11713

Sample	tW paper percentage of data	Percentage of data in this sample
ttbar	50%	31%
DY	23%	27%
VV+ttV	14%	6% + 6% W+jets
tW	10%	8%
QCD	2%	-

Vetoing events with Jets and leptons in HEM 15/16



Without HEM cut



With HEM cut