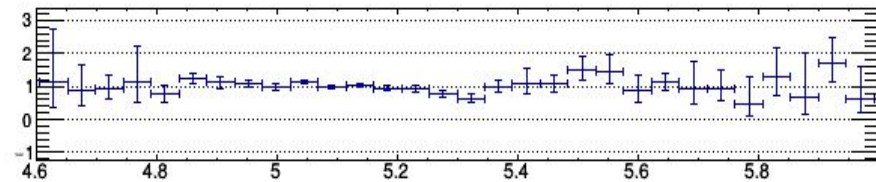
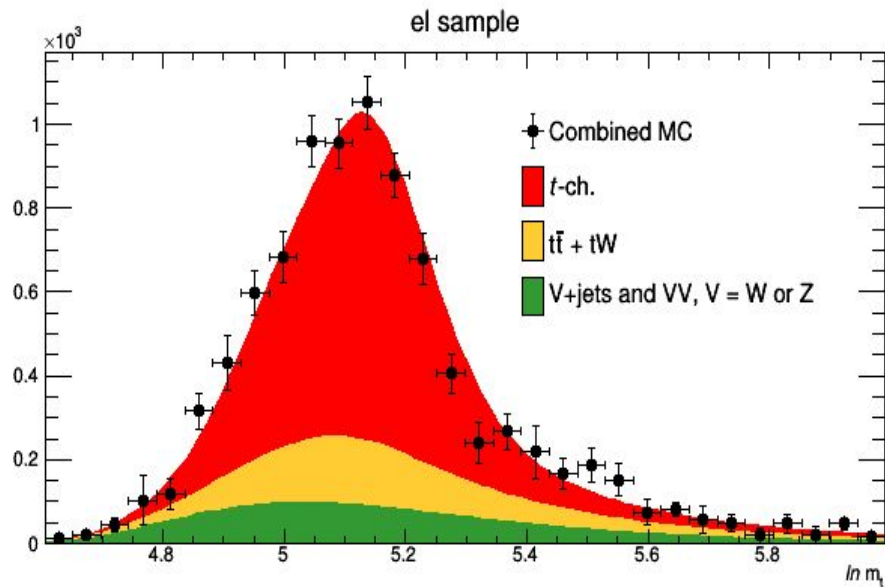
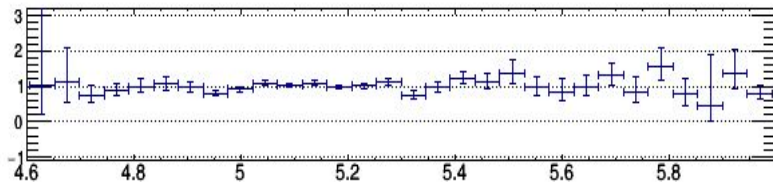
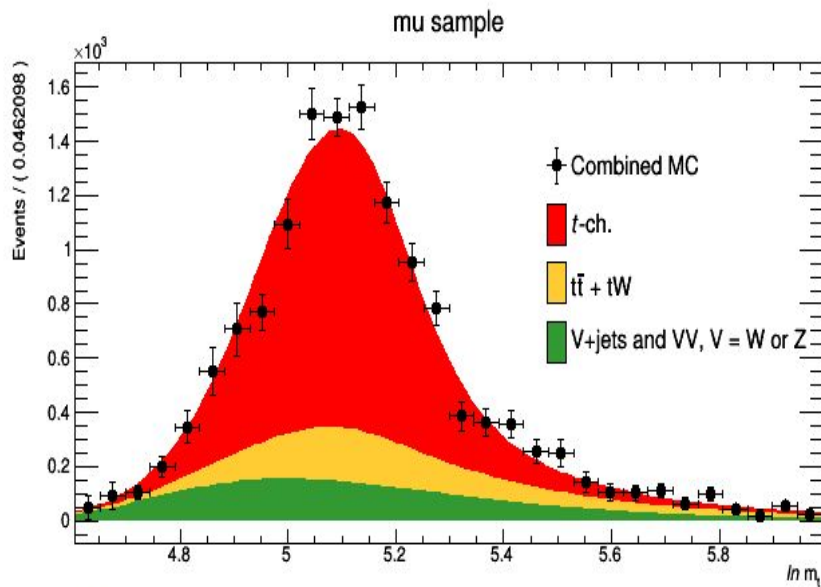


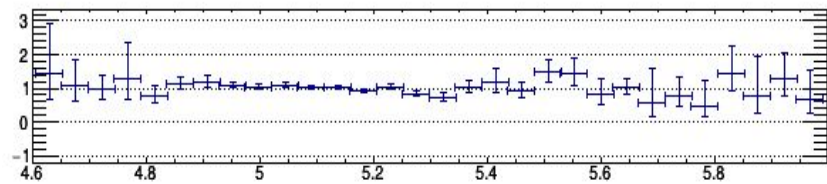
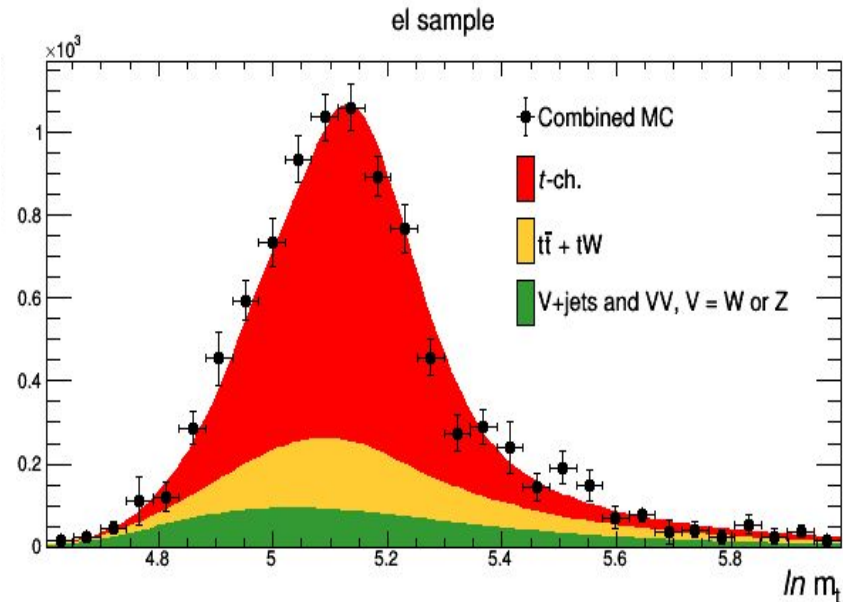
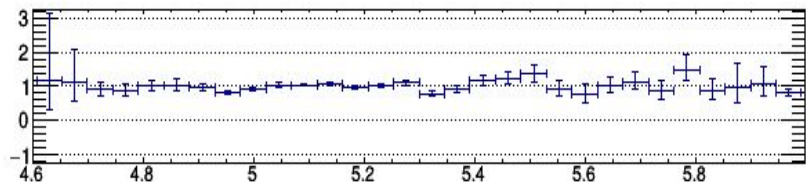
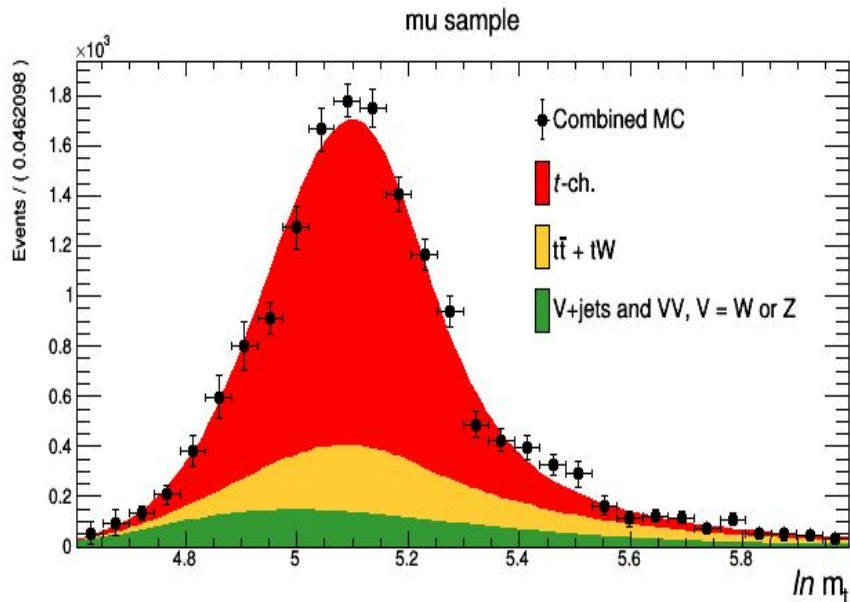
Single top quark mass Measurement in t-channel at CMS

**Mintu Kumar, Soureek Mitra
Shashi k. Dugad, Gagan Mohanty**

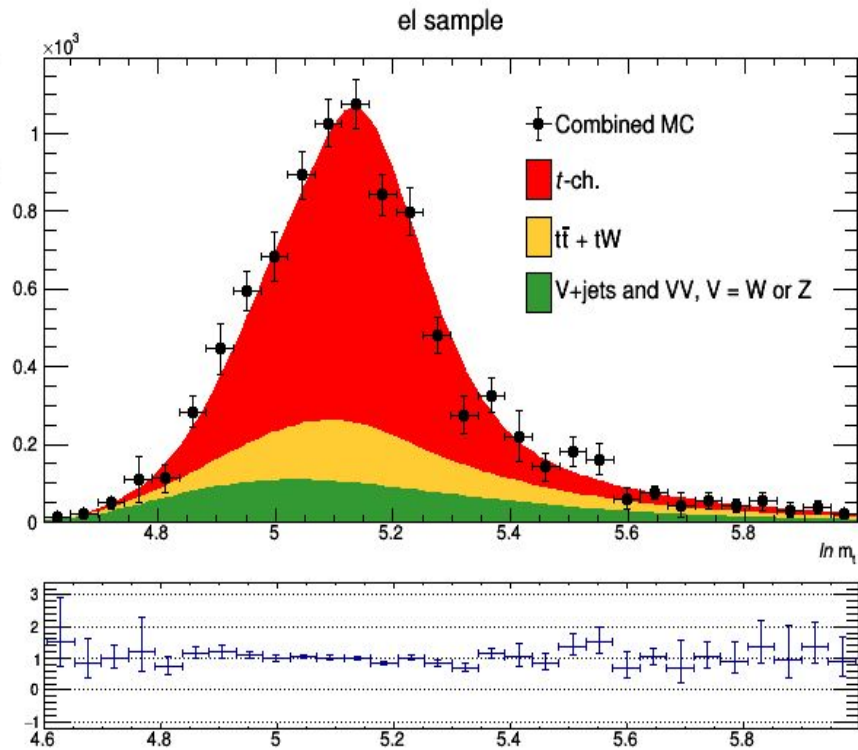
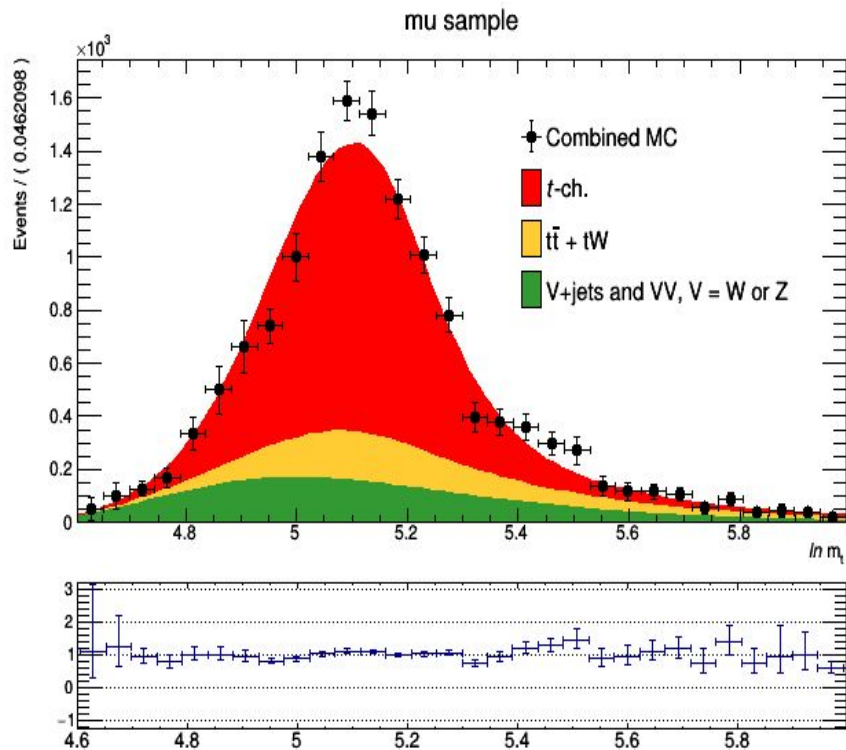
Simultaneous fit for $m_{\text{top}} = 171.5$ Gev sample



Simultaneous fit for $m_{\text{top}} = 172.5$ Gev sample



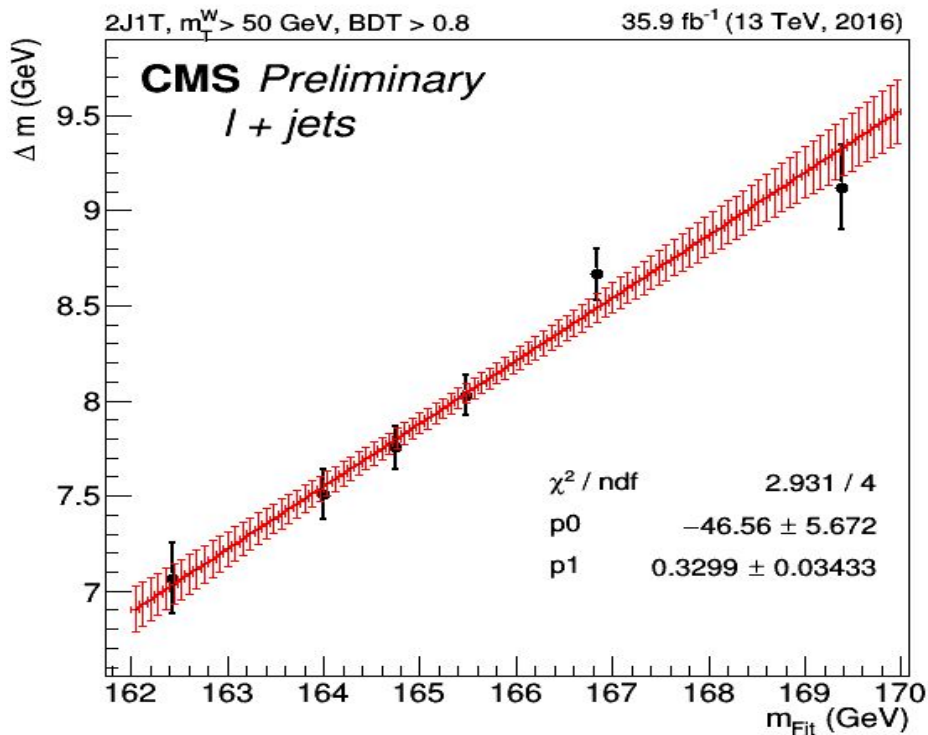
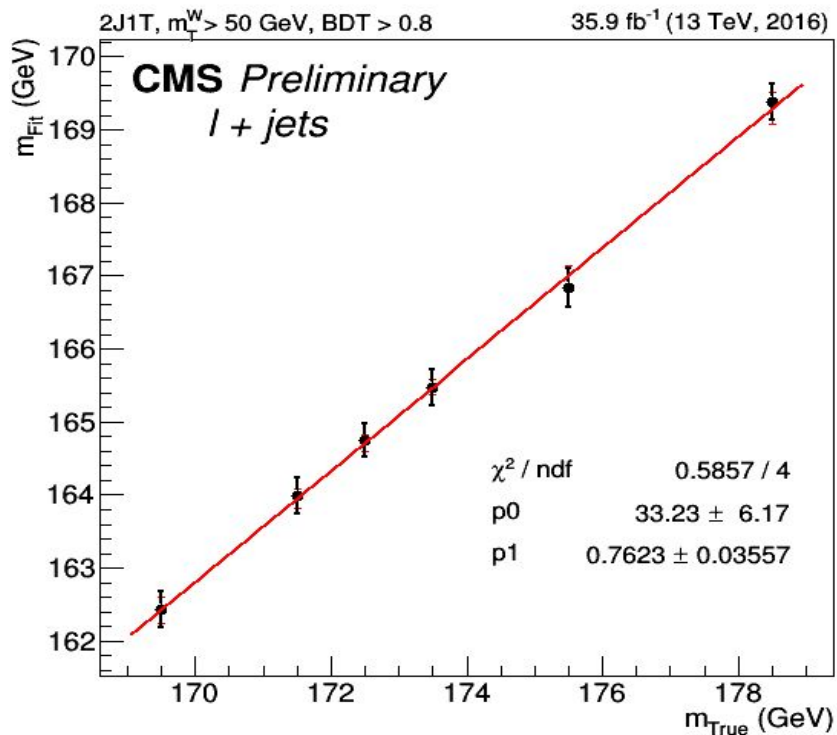
Simultaneous fit for $m_{\text{top}} = 173.5$ Gev sample



Simultaneous fit table for all m_{top} samples

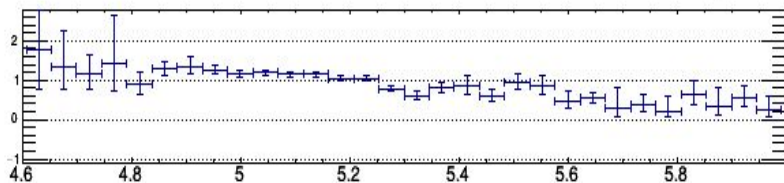
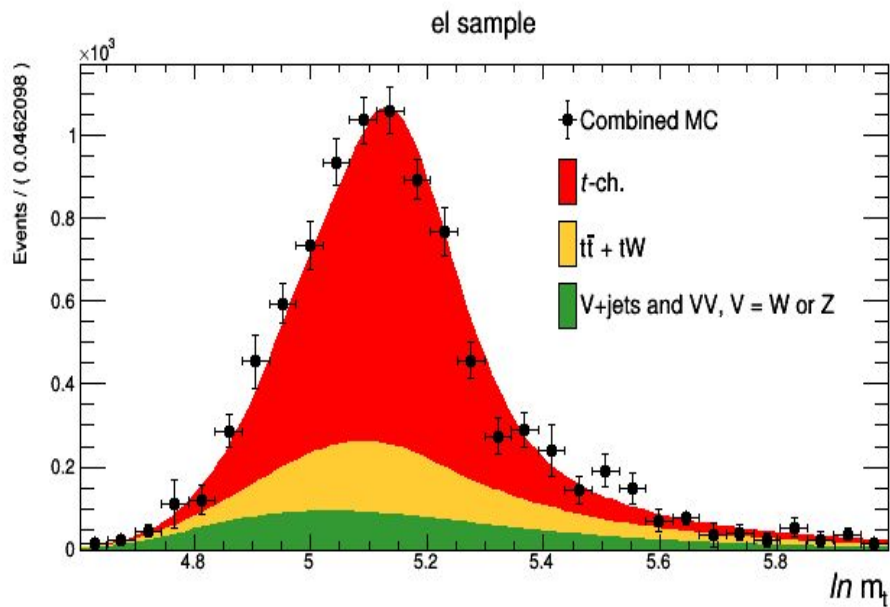
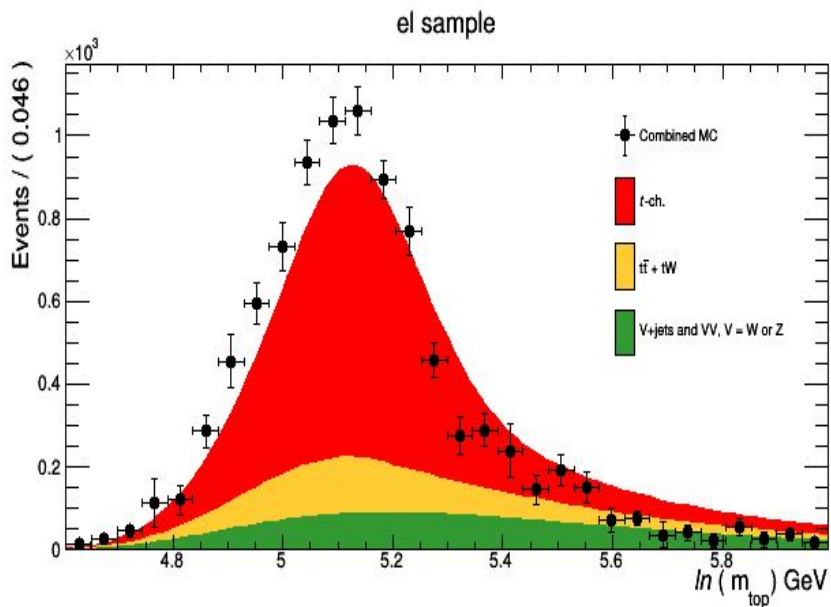
Mass sample	Fitted mass	error	Δm	error
169.5	162.433	0.250086	7.067	0.183053
171.5	163.991	0.244924	7.509	0.12973
172.5	164.747	0.232278	7.753	0.113031
173.5	165.472	0.251537	8.028	0.107606
175.5	166.836	0.25846	8.664	0.133251
178.5	169.38	0.25321	9.12	0.220111

Mass linearity and calibration

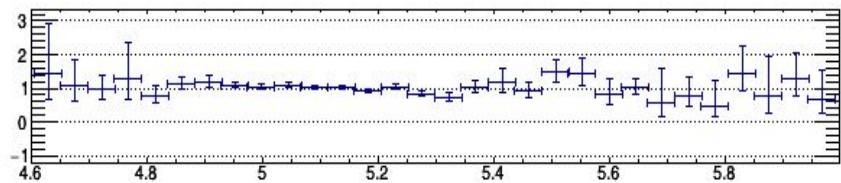


BackUp

Simultaneous fit comparison of e+jets final state

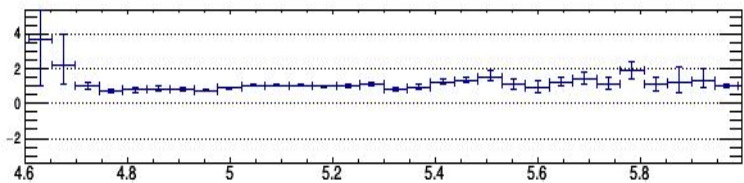
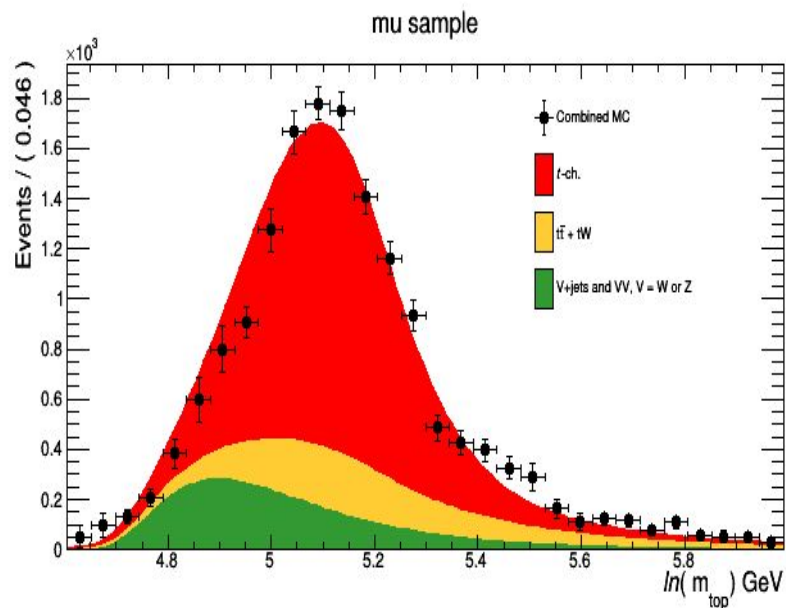


Previous

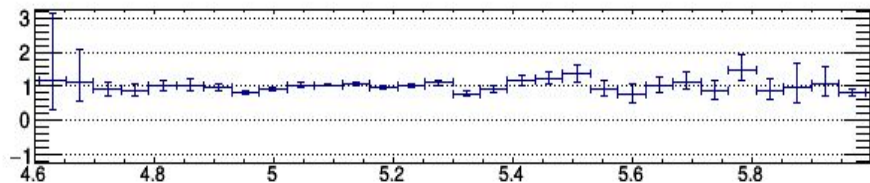
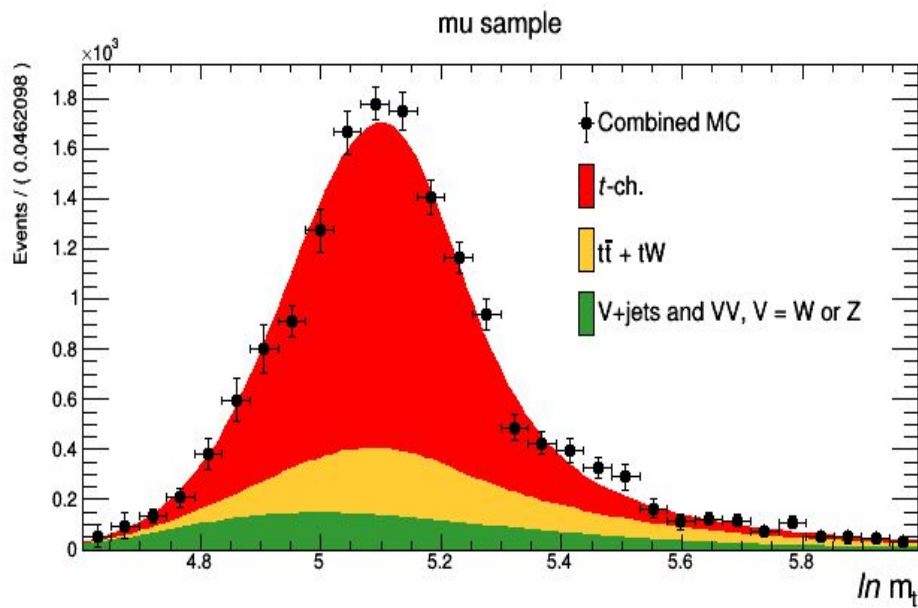


Updated

Simultaneous fit comparison of mu+jets final state

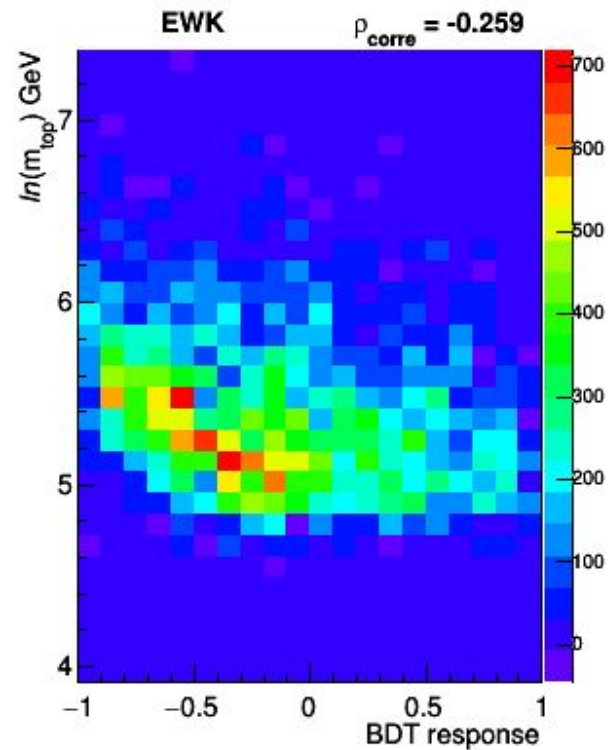
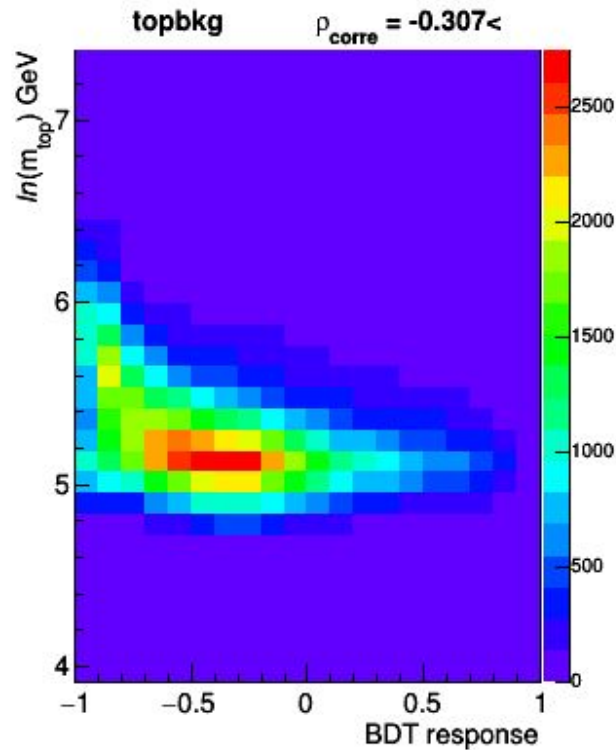
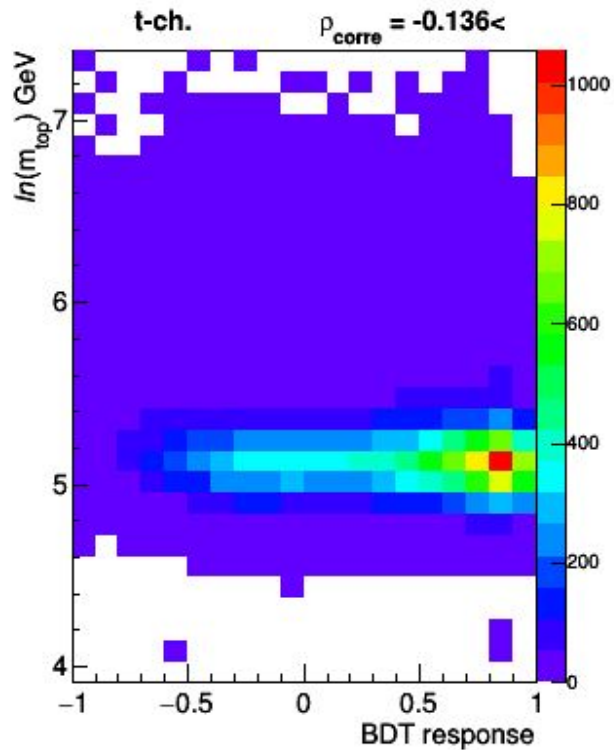


Previous



Updated

Correlation top mass and BDT response for e+jets



Correlation top mass and BDT response for mu+jets

