CMS *Simulation Preliminary* **SL (5 jets, ≥ 3 b tags)** Pre-fit expectation
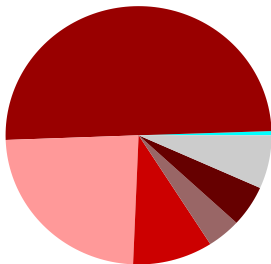
t$\bar{\text{t}}$+lf node
S/B = 0.0039, S/√B = 0.42
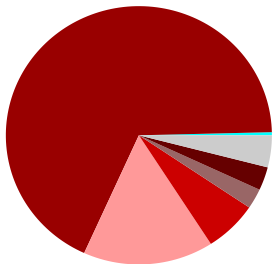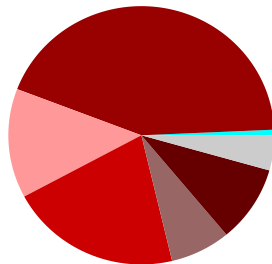
t$\bar{\text{t}}$+c$\bar{\text{c}}$ node
S/B = 0.0053, S/√B = 0.31

t$\bar{\text{t}}$+b node
S/B = 0.0070, S/√B = 0.33

t$\bar{\text{t}}$+2b node
S/B = 0.0090, S/√B = 0.41
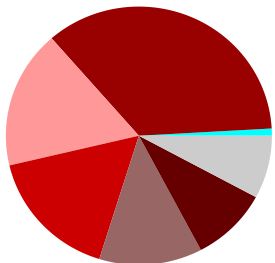
t$\bar{\text{t}}$+bb node
S/B = 0.0144, S/√B = 0.60

t$\bar{\text{t}}$H node
S/B = 0.0307, S/√B = 1.59

t$\bar{\text{t}}$H
t$\bar{\text{t}}$+lf
t$\bar{\text{t}}$+c$\bar{\text{c}}$
t$\bar{\text{t}}$+b
t$\bar{\text{t}}$+2b
t$\bar{\text{t}}$+b$\bar{\text{b}}$
Other Bkg