95% CL Sensitivity to  $C_{Hq3}$  (Freeze Other WCs) 138 fb $^{-1}$  (13 TeV) CMS Preliminary Proj. (stat. ⊕ syst.) Asimov Dataset Variable of choice total stat.  $\begin{array}{ccc} +0.211 & +0.168 \\ -0.243 & -0.201 \end{array}$ 0.000 combined – 0 Lepton  $\begin{array}{rrr}
+0.272 & +0.211 \\
-0.292 & -0.235
\end{array}$ 0.000 $H_{\mathrm{T}}$ (2 fat jets) 2 Leptons  $\begin{array}{rrr}
+0.376 & +0.350 \\
-0.444 & -0.426
\end{array}$ 0.000ST(same signed) 2 Leptons  $+0.398 +0.328 \\ -0.451 -0.391$ 0.000ST(opposite signed) 0 Lepton  $+0.416 +0.305 \\ -0.440 -0.331$ 0.000 $H_{T,Fat-Jet}$ (3 fat jets) 1 Lepton  $+0.480 +0.349 \\ -0.511 -0.394$ 0.000 $M_{JJl\nu}$ (2 fat jets) 1 Lepton  $+0.553 +0.542 \\ -0.602 -0.595$  $s_T$  (+BDT score) 0.000(1FJ, 1 tau) 2 Leptons  $+0.716 +0.668 \\ -0.781 -0.743$ 0.000ST,MET (opposite signed, 2FJ) 2 Leptons  $0.000 \ \, ^{+1.163}_{-1.260} \ \, ^{+1.104}_{-1.208}$  $s_T$  (+BDT score) (0FJ, 1 tau) 0 Lepton  $+2.936 +2.787 \\ -3.042 -2.915$  $s_T$  (+BDT score) 0.000(2FJ, 1 tau)  $\overline{-2}$ 

Sensitivity to  $C_{Hq3}/\Lambda^2~{
m [TeV]}^{-2}$ 

2

3

-3