95% CL Sensitivity to C_{Hq1} (Freeze Other WCs) 138 fb $^{-1}$ (13 TeV) CMS Preliminary Proj. (stat. ⊕ syst.) Asimov Dataset Variable of choice total stat. $\begin{array}{rrr}
+0.334 & +0.271 \\
-0.338 & -0.275
\end{array}$ 0.000 combined – 0 Lepton $+0.422 +0.332 \\ -0.423 -0.334$ 0.000 H_{T} (2 fat jets) 2 Leptons $+0.593 +0.560 \\ -0.603 -0.570$ 0.000 S_{T} (same signed) 0 Lepton $+0.613 +0.453 \\ -0.616 -0.456$ $H_{T,Fat-Jet}$ 0.000(3 fat jets) 2 Leptons $+0.641 +0.541 \\ -0.645 -0.547$ 0.000ST(opposite signed) 1 Lepton $+0.716 +0.535 \\ -0.720 -0.540$ $\mathrm{M}_{\mathrm{JJl}
u}$ 0.000(2 fat jets) 1 Lepton $+0.839 +0.828 \\ -0.844 -0.832$ $\mathrm{s_{T}}$ (+BDT score) 0.000(1FJ, 1 tau) 2 Leptons $0.000 \ \, ^{+1.050}_{-1.058} \ \, ^{+0.984}_{-0.992}$ ST,MET (opposite signed, 2FJ) 2 Leptons $0.000 \ \, ^{+1.943}_{-1.940} \ \, ^{+1.840}_{-1.839}$ s_T (+BDT score) (0FJ, 1 tau) 0 Lepton +5.757 +4.967-5.741 -4.9810.000 s_T (+BDT score) (2FJ, 1 tau)

6

4

-6

-2

Sensitivity to $C_{Hq1}/\Lambda^2~{\rm [TeV]}^{-2}$

-4