95% CL Sensitivity to C_{Hl3} (Freeze Other WCs)

CMS *Preliminary* 138 fb^{-1} (13 TeV)

Proj. (stat. $\oplus$ syst.)
Asimov Dataset

		total	stat.	Variable of choice
combined	0.000	$^{+15.510}_{-4.513}$	$^{+13.773}_{-2.776}$	
2 Leptons (same signed)	0.000	$^{+15.997}_{-5.001}$	$^{+14.645}_{-3.649}$	S_T
2 Leptons (opposite signed)	0.000	$^{+20.998}_{-10.000}$	$^{+16.109}_{-5.111}$	S_T
2 Leptons (opposite signed, 2FJ)	0.000	$^{+23.425}_{-12.429}$	$^{+20.754}_{-9.757}$	$S_{T,MET}$
1 Lepton (2 fat jets)	0.000	$^{+28.659}_{-17.663}$	$^{+17.011}_{-6.015}$	$M_{JJl\nu}$
2 Leptons (0FJ, 1 tau)	0.000	$^{+34.582}_{-23.586}$	$^{+28.139}_{-17.142}$	S_T (+BDT score)
1 Lepton (1FJ, 1 tau)	0.000	$^{+36.954}_{-25.957}$	$^{+26.279}_{-15.282}$	S_T (+BDT score)
0 Lepton (2 fat jets)	0.000	$^{+41.371}_{-30.374}$	$^{+22.636}_{-11.640}$	H_T
0 Lepton (3 fat jets)	0.000	$^{+42.357}_{-31.360}$	$^{+27.510}_{-16.513}$	$H_{T,Fat-Jet}$
0 Lepton (2FJ, 1 tau)	0.000	$^{+123.945}_{-88.881}$	$^{+57.080}_{-44.966}$	S_T (+BDT score)

−100 −50 0 50 100

Sensitivity to C_{Hl3}/Λ^2 [TeV]$^{-2}$