95% CL Sensitivity to  $C_{HDD}$  (Freeze Other WCs) CMS Preliminary 138 fb $^{-1}$  (13 TeV) Proj. (stat.  $\bigoplus$  syst.) Asimov Dataset stat. only Variable of choice total stat. +70.597 -118.729+46.372combined 0.0002 Leptons  $+108.408 +87.730 \\ -175.772 -126.491$ 0.000ST(same signed) 2 Leptons  $+100.523 +80.957 \ -250.308 -163.401$ 0.000ST,MET (opposite signed, 2FJ) 2 Leptons  $+125.076 +62.719 \ -297.286 -108.188$ 0.000ST(opposite signed) 1 Lepton  $+594.215 +245.470 \\ -1115.784 -579.214$  $s_T$  (+BDT score) 0.000(1FJ, 1 tau) 0 Lepton  $+600.857 +177.903 \\ -1404.029 -420.591$  $H_{T,Fat-Jet}$ 0.000(3 fat jets) 2 Leptons  $+558.122 +350.364 \\ -1523.092 -889.439$  $s_T$  (+BDT score) H 0.000(0FJ, 1 tau) 1 Lepton  $+599.862 +84.975 \\ -1542.611 -142.993$  $\mathrm{M_{JJl}_{
u}}$ 0.000(2 fat jets) 0 Lepton  $\begin{array}{ccc} +613.769 & +120.162 \\ -2107.919 & -327.053 \end{array}$  $H_{\mathrm{T}}$ 0.000(2 fat jets) 0 Lepton  $\begin{array}{ccc} +25327.110 & +4909.710 \\ -46696.781 & -16474.587 \end{array}$  $s_T$  (+BDT score) 0.000 (2FJ, 1 tau) -20000-4000020000 40000 Sensitivity to  $C_{HDD}/\Lambda^2~[{\rm TeV}]^{-2}$