19.2 fb⁻¹ (8 TeV) 2.5 95% CL limits **CMS Observed limit Expected limit** Preliminary Expected limit (1_o) Expected limit (2_o) VBF H → invisible CMS Expected (No Systematics) 1.5 0.5 0.2 0.3 0.5 0.6 0.7 8.0 0.4 MVA cut value

 $\sigma \times B(H \rightarrow inv)/\sigma_{VBF}(SM)$