Cumulative Cuts on  $\lambda_{345}$  against  $m_{h2}$ , scaled by  $\Omega h_2$ + LEP + DM Direct Detection + Theory Constraints + CMB 10.0 10<sup>-1</sup> 7.5  $\lambda_{345}$ 5.0  $10^{-2}$ 2.5 0.0  $\frac{1}{10^{-3}}$  $+ Br(H \rightarrow inv) < 0.145$ + LZ 2024 + EWPT + Relic Density 10.0 7.5 5.0  $10^{-4}$ 2.5 0.0  $10^3 \ 10^1$  $10^3 \ 10^1$  $10^3 \ 10^1$  $10^1$ 10<sup>2</sup> 10<sup>2</sup> 10<sup>2</sup> 10<sup>2</sup> 10<sup>3</sup>  $m_{h2}$  $m_{h2}$  $m_{h2}$  $m_{h2}$