Cumulative Cuts on  $m_{h2}$  against  $\lambda_{345}$ , scaled by  $\Omega h_2$ + Theory Constraints + LEP + DM Direct Detection + CMB  $10^{3}$  $10^{-1}$ g 10<sup>2</sup>  $10^{-2}$  $10^{1}$  $\frac{10^{-3}}{4}$  $+ Br(H \rightarrow inv) < 0.145$ + LZ 2024 + Relic Density + EWPT 10<sup>3</sup> E 10<sup>2</sup>  $10^{-4}$  $10^1$ <sup>1</sup>10<sup>-5</sup>  $10^{-7}$ 10-3  $10^{-7}$   $10^{-3}$  $10^{-3}$ 101  $10^{-7}$   $10^{-3}$  $10^1$  $10^{-7}$  $10^1$  $10^{1}$  $\lambda_{345}$  $\lambda_{345}$