Cumulative Cuts on  $m_{h1}$  against  $\Delta m_1$ , scaled by  $\Omega h_2$ + DM Direct Detection + Theory Constraints + LEP + CMB - 10<sup>5</sup> -10<sup>3</sup> -10<sup>1</sup>  $+ Br(H \rightarrow inv) < 0.145$ + LZ 2024 + Relic Density + EWPT  $10^{-1}$ **3** W. Oak 10<sup>-3</sup>  $10^{-2}$ 10<sup>-2</sup>  $10^{-2}$  $10^1$  $10^1$ 10<sup>-2</sup>  $10^1$  $10^1$ 

 $\Delta m_1$ 

 $\Delta m_1$ 

 $10^3$ 

 $\frac{14}{6}$  10<sup>2</sup>

 $10^{1}$ 

 $10^3$ 

E 10<sup>2</sup>

 $10^1$ 

 $\Delta m_1$ 

 $\Delta m_1$