Cumulative Cuts on  $m_{h_{+}}$  against  $m_{h_{2}}$ , scaled by  $\Omega h_{2}$ + DM Direct Detection + Theory Constraints + LEP + CMB  $10^3$ 10<sup>-1</sup> ل ا ا 10-2  $10^{1}$ 10<sup>-3</sup> G  $+ Br(H \rightarrow inv) < 0.145$ + LZ 2024 + Relic Density + EWPT 10<sup>3</sup> E 10<sup>2</sup> 10-4 the Contractor  $10^{1}$ <sup>1</sup>10<sup>-5</sup>  $10^3 \ 10^1$  $10^3 \ 10^1$  $10^3 10^1$ 10<sup>2</sup> 10<sup>2</sup> 10<sup>2</sup> 10<sup>2</sup> 10<sup>3</sup>  $10^{1}$  $m_{h2}$  $m_{h2}$  $m_{h2}$  $m_{h2}$