

 $m_{\tilde{t}} = x$, $m_{z^{\pm}} = 0.75 * x + 0.25 * y$, $m_{z^0} = y$ exclusion (SModelS 2.2 SModelS ±20% (SModels) 350 2 exclusion (official) 1.8 300 1.6 $\sigma_{\text{signal}}/\sigma_{\text{UI}}$ 250 1.4 1.2 > 200 150 0.8 100 0.6 0.4 50 0.2 700 300 400 500 600 χ official plot:

https://twiki.cern.ch/twiki/pub/CMSPublic/PhysicsResultsSUS13023/T2bw_0p25_observed_xsection_UL.png