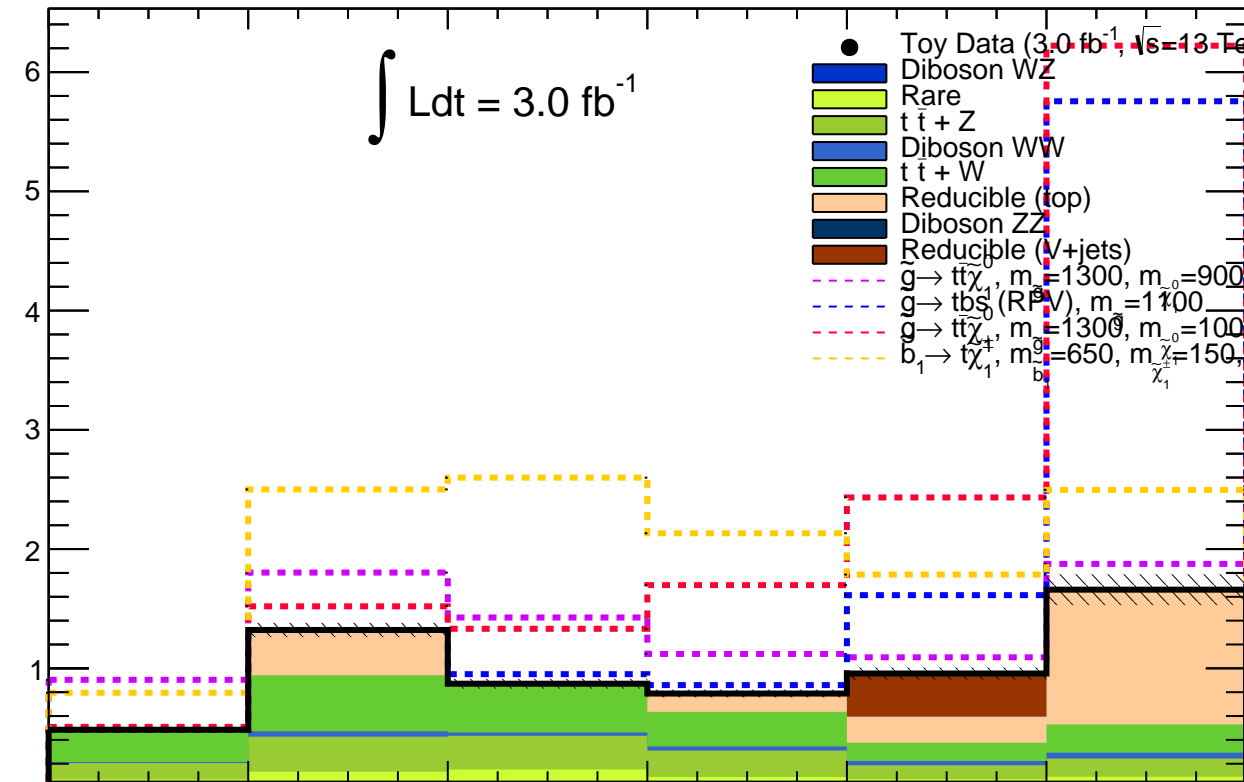


ATLAS Internal

$$\int L dt = 3.0 \text{ fb}^{-1}$$

Section of product of Poissons across bins for a single channel

- Toy Data (3.0 fb^{-1} , $\sqrt{s} = 13 \text{ TeV}$)
- Diboson WZ
- Rare
- $t \bar{t} + Z$
- Diboson WW
- $t \bar{t} + W$
- Reducible (top)
- Diboson ZZ
- Reducible (V+jets)
- $g \rightarrow t \bar{t} \chi_1^0$, $m_{\tilde{\chi}_1^0} = 900$
- $g \rightarrow t \bar{t} \chi_1^0$ (RPV), $m_{\tilde{\chi}_1^0} = 1100$
- $g \rightarrow t \bar{t} \chi_1^0$, $m_{\tilde{\chi}_1^0} = 1300$, $m_{\tilde{\chi}_1^0} = 1000$
- $b_1 \rightarrow t \bar{t} \chi_1^0$, $m_{\tilde{\chi}_1^0} = 650$, $m_{\tilde{\chi}_1^0} = 150$, $m_{\tilde{\chi}_1^0} = 60$



Data / SM

