

ATLAS

Internal

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

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)
- $g \rightarrow t\bar{t}\chi_1^0, m_{\tilde{\chi}_1^0} = 900$
- $g \rightarrow t\bar{t}\chi_1^0 \text{ (RPV)}, m_{\tilde{\chi}_1^0} = 1100$
- $g \rightarrow t\bar{t}\chi_1^0, m_{\tilde{\chi}_1^0} = 1300, m_{\tilde{\chi}_1^0} = 100$
- $b_1 \rightarrow t\bar{t}\chi_1^0, m_{\tilde{\chi}_1^0} = 650, m_{\tilde{\chi}_1^0} = 150, m_{\tilde{\chi}_1^0} = 60$

