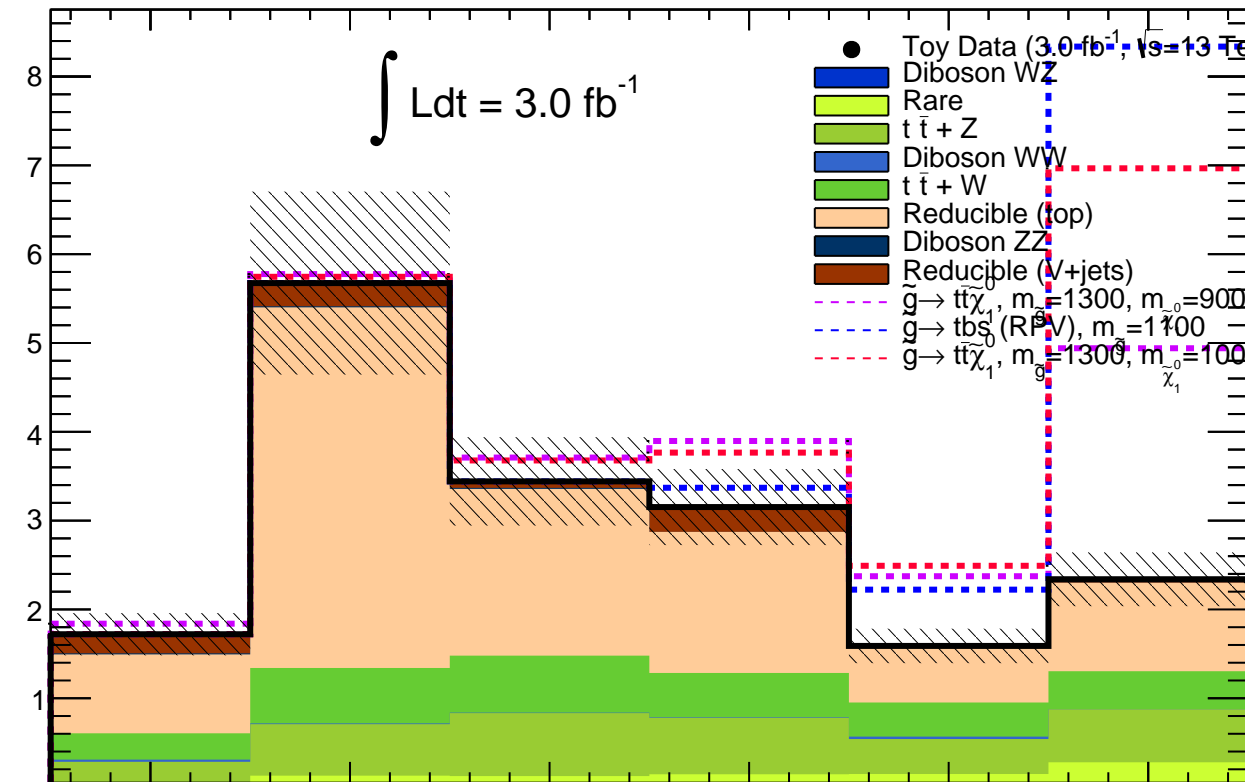


ATLAS Internal

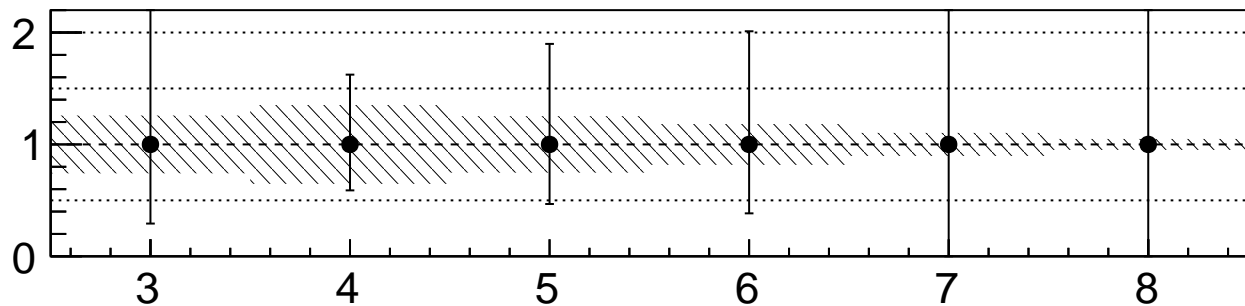
$$\int L dt = 3.0 \text{ fb}^{-1}$$

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)
- $g \rightarrow t\bar{t}\chi_1, m_{\tilde{\chi}_1} = 1300, m_{\tilde{\chi}_0} = 900$
- $g \rightarrow t\bar{t}\tilde{S}_0^* (\text{RPV}), m_{\tilde{\chi}_1} = 1100$
- $g \rightarrow t\bar{t}\chi_1, m_{\tilde{\chi}_1} = 1300, m_{\tilde{\chi}_0} = 100$



Data / SM



nJets20Jvf025