

# $t\bar{t}X_0$ and t-channel $tX_0$ at the LHC13

NLO inclusive cross section

gluon fusion @ SM rate ( $\kappa_{Htt}=1$ ,  $\kappa_{Att}=2/3$ )

$$\mathcal{L} = -\frac{y_t}{\sqrt{2}} \bar{\psi}_t (c_\alpha \kappa_{Htt} + i s_\alpha \kappa_{Att} \gamma_5) \psi_t X_0$$

$tX_0$   
 $t\bar{t}X_0$

