

138 fb⁻¹ (13 TeV)

CMS

SR-2 ℓ - $t\bar{t}t\bar{t}$

Postfit SM



Data



$t\bar{t}W$



$t\bar{t}H$



Other



$t\bar{t}t\bar{t} + ttt$



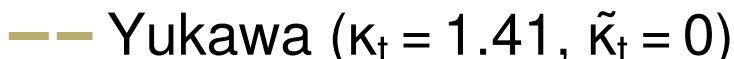
$t\bar{t}Z$



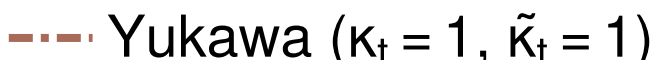
NP + CMID



Total unc.



Yukawa ($\kappa_t = 1.41$, $\tilde{\kappa}_t = 0$)



Yukawa ($\kappa_t = 1$, $\tilde{\kappa}_t = 1$)

Events / 0.25 units

Ratio to data



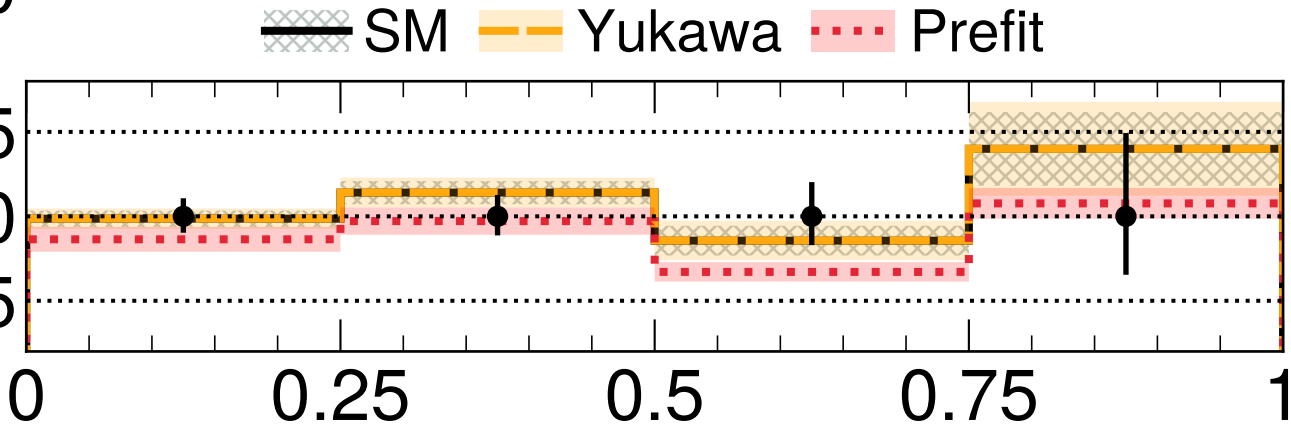
SM



Yukawa



Prefit



BDT score $t\bar{t}t\bar{t}$