

$\chi^2$  table. Blue color text represents a value that is lower than the SM  $\chi^2$  by more than one standard deviation of the  $\chi^2$  distribution. Similarly, red color text represents values that are higher than the SM  $\chi^2$  by more than one standard deviation. In parenthesis is the total SM  $\chi^2$  for the dataset included in the fit.

		SM	NS	MC
Process	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$\chi^2/N_{\text{data}}$
STXS_2020	130	0.63	0.419	0.419
Total			0.419 (0.630)	0.419 (0.630)

Table 1:  $\chi^2$  table for STXS data

		NS		MC	
Process	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$	
STXS	130	0.419 (0.630)	130	0.419 (0.630)	
Total	130	0.419 (0.630)	130	0.419 (0.630)	

Table 2:  $\chi^2$  table for grouped data. In parenthesis is the total SM  $\chi^2$  for the dataset included in the fit. The SM column refers to all the datasets available in the group