

Process	$lll$	$\mu\mu$	$e\mu$
$t\bar{t}W^\pm$	$22.50 \pm 0.35$	$68.03 \pm 0.61$	$97.00 \pm 0.71$
$t\bar{t}Z/t\bar{t}\gamma$	$32.80 \pm 1.79$	$25.89 \pm 1.12$	$64.82 \pm 2.42$
WZ	$8.22 \pm 0.86$	$15.07 \pm 1.19$	$26.25 \pm 1.57$
ZZ	$1.62 \pm 0.33$	$1.16 \pm 0.29$	$2.86 \pm 0.45$
$W^\pm W^\pm qq$	–	$3.96 \pm 0.52$	$6.99 \pm 0.69$
$W^\pm W^\pm$ (DPS)	–	$2.48 \pm 0.42$	$4.17 \pm 0.54$
VVV	$0.42 \pm 0.16$	$2.99 \pm 0.34$	$4.85 \pm 0.43$
tttt	$1.84 \pm 0.44$	$2.32 \pm 0.45$	$4.06 \pm 0.57$
tZq	$3.92 \pm 1.48$	$5.77 \pm 2.24$	$10.73 \pm 3.03$
tZW	$1.70 \pm 0.12$	$2.13 \pm 0.13$	$3.91 \pm 0.18$
$\gamma$ conversions	$7.43 \pm 1.94$	–	$23.81 \pm 6.04$
Non-prompt	$25.61 \pm 1.26$	$80.94 \pm 2.02$	$135.34 \pm 2.83$
Charge flips	–	–	$58.20 \pm 0.30$
Total Background	$106.05 \pm 3.45$	$210.74 \pm 3.61$	$443.30 \pm 8.01$
$t\bar{t}H$	$18.29 \pm 0.41$	$24.18 \pm 0.48$	$35.21 \pm 0.58$
tHq (SM)	$0.52 \pm 0.02$	$1.43 \pm 0.04$	$1.92 \pm 0.04$
tHW (SM)	$0.62 \pm 0.03$	$0.71 \pm 0.03$	$1.11 \pm 0.04$
Total SM	$125.48 \pm 3.47$	$237.06 \pm 3.64$	$481.54 \pm 8.03$
tHq ( $\kappa_V = 1 = -\kappa_t$ )	$7.48 \pm 0.14$	$18.48 \pm 0.22$	$27.41 \pm 0.27$
tHW ( $\kappa_V = 1 = -\kappa_t$ )	$7.38 \pm 0.16$	$7.72 \pm 0.17$	$11.23 \pm 0.20$
<b>Data</b>	<b>149</b>	<b>280</b>	<b>525</b>